TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 200-38008-1
TestAmerica Sample Delivery Group: 200-38008-1
Client Project/Site: Calderwood

For:
Waite-Heindel Environmental Management
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Suite 301
Burlington, Vermont 05401

Attn: Mr. Miles Waite

Authorized for release by:
4/3/2017 10:13:22 AM

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Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
E	Result exceeded calibration range.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

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: 200-38008-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: Waite-Heindel Environmental Management

Project: Calderwood

Report Number: 200-38008-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/31/2017; the samples arrived in good condition.

The canister associated with sample IAS-6 was received at the laboratory at ambient pressure. The flow rate of the associated flow controller was evaluated and was found to be out of the acceptable range for a 10 hour collection period.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Samples IAS-1, IAS-2, IAS-3, IAS-4, IAS-5, IAS-6, IAS-7 and IAS-8 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/01/2017 and 04/02/2017.

Samples IAS-2[4X], IAS-3[7.94X], IAS-7[2.5X] and IAS-8[2.5X] required dilution prior to analysis.

The concentration of Trichlorofluoromethane recovers at the high limit of the calibration range in sample IAS-1. The result for Trichlorofluoromethane rounds to be within the calibration range of the instrument, but due to the proximity of the result to the upper range of the instrument the result is being reported with an "E" qualifier.

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

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Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-1 — Lab Sample ID: 200-38008-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.95		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.052		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	1.0	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Methylene Chloride	0.20		0.20	0.20	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.13		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.041		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.047		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.063		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.021		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.24		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,2-Dichloroethane	0.020		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.061		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichloroethene	0.019		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.49		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.20		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.036		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.035		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
4-Ethyltoluene	0.012		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.11		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.14		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	4.7		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.11		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	5.8	E	0.056	0.056	ug/m3	1		TO15 LL	Total/NA
Methylene Chloride	0.68		0.69	0.69	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.46		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.20		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.16		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.40		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.098		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.75		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
1,2-Dichloroethane	0.081		0.081	0.081	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.25		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Trichloroethene	0.10		0.054	0.054	ug/m3	1		TO15 LL	Total/NA
Toluene	1.8		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	1.3		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.16		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.15		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
4-Ethyltoluene	0.059		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.46		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.62		0.043	0.043	ug/m3	1		TO15 LL	Total/NA

Client Sample ID: IAS-2 — Lab Sample ID: 200-38008-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.84		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.067		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	1.4	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Methylene Chloride	0.21		0.20	0.20	ppb v/v	1		TO15 LL	Total/NA
trans-1,2-Dichloroethene	0.020		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IAS-2 (Continued) — Lab Sample ID: 200-38008-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane	0.14		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
cis-1,2-Dichloroethene	0.19		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.048		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.064		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.063		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.020		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.25		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.085		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichloroethene	0.54		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.55		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	3.6	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.039		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.038		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
4-Ethyltoluene	0.012		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,2-Dichloroethene, Total	0.21		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.12		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.16		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	0.86	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Trichlorofluoromethane - DL	1.4	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
n-Hexane - DL	0.16	D	0.080	0.080	ppb v/v	4		TO15 LL	Total/NA
cis-1,2-Dichloroethene - DL	0.16	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Chloroform - DL	0.052	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Cyclohexane - DL	0.056	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.046	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Benzene - DL	0.20	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
n-Heptane - DL	0.071	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Trichloroethene - DL	0.43	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Toluene - DL	0.39	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
Tetrachloroethene - DL	3.0	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
1,2-Dichloroethene, Total - DL	0.16	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA
m-Xylene & p-Xylene - DL	0.096	D	0.080	0.080	ppb v/v	4		TO15 LL	Total/NA
Xylenes, Total - DL	0.096	D	0.040	0.040	ppb v/v	4		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	4.2		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.15		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	7.9	E	0.056	0.056	ug/m3	1		TO15 LL	Total/NA
Methylene Chloride	0.74		0.69	0.69	ug/m3	1		TO15 LL	Total/NA
trans-1,2-Dichloroethene	0.079		0.040	0.040	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.50		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
cis-1,2-Dichloroethene	0.76		0.040	0.040	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.23		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.22		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.39		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.094		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.79		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.35		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Trichloroethene	2.9		0.054	0.054	ug/m3	1		TO15 LL	Total/NA
Toluene	2.1		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	25	E	0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.17		0.043	0.043	ug/m3	1		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-2 (Continued) — Lab Sample ID: 200-38008-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.16		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
4-Ethyltoluene	0.061		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,2-Dichloroethene, Total	0.84		0.040	0.040	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.51		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.68		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	4.2	D	0.20	0.20	ug/m3	4		TO15 LL	Total/NA
Trichlorofluoromethane - DL	7.7	D	0.22	0.22	ug/m3	4		TO15 LL	Total/NA
n-Hexane - DL	0.57	D	0.28	0.28	ug/m3	4		TO15 LL	Total/NA
cis-1,2-Dichloroethene - DL	0.65	D	0.16	0.16	ug/m3	4		TO15 LL	Total/NA
Chloroform - DL	0.25	D	0.20	0.20	ug/m3	4		TO15 LL	Total/NA
Cyclohexane - DL	0.19	D	0.14	0.14	ug/m3	4		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.29	D	0.25	0.25	ug/m3	4		TO15 LL	Total/NA
Benzene - DL	0.64	D	0.13	0.13	ug/m3	4		TO15 LL	Total/NA
n-Heptane - DL	0.29	D	0.16	0.16	ug/m3	4		TO15 LL	Total/NA
Trichloroethene - DL	2.3	D	0.21	0.21	ug/m3	4		TO15 LL	Total/NA
Toluene - DL	1.5	D	0.15	0.15	ug/m3	4		TO15 LL	Total/NA
Tetrachloroethene - DL	20	D	0.27	0.27	ug/m3	4		TO15 LL	Total/NA
1,2-Dichloroethene, Total - DL	0.65	D	0.16	0.16	ug/m3	4		TO15 LL	Total/NA
m-Xylene & p-Xylene - DL	0.42	D	0.35	0.35	ug/m3	4		TO15 LL	Total/NA
Xylenes, Total - DL	0.42	D	0.17	0.17	ug/m3	4		TO15 LL	Total/NA

Client Sample ID: IAS-3 — Lab Sample ID: 200-38008-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.56		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	0.64		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.090		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
cis-1,2-Dichloroethene	0.072		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.054		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.032		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.056		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.016		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.19		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.028		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichloroethene	4.9	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.23		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.12		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.042		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.034		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,2-Dichloroethene, Total	0.072		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.085		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.12		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	0.97	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Trichlorofluoromethane - DL	1.1	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Chloroform - DL	0.079	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Benzene - DL	0.23	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Trichloroethene - DL	6.2	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Toluene - DL	0.32	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Tetrachloroethene - DL	0.18	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA
Xylenes, Total - DL	0.13	D	0.079	0.079	ppb v/v	7.94		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-3 (Continued) — Lab Sample ID: 200-38008-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.8		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	3.6		0.056	0.056	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.32		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
cis-1,2-Dichloroethene	0.28		0.040	0.040	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.26		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.11		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.35		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.072		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.59		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.11		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Trichloroethene	26	E	0.054	0.054	ug/m3	1		TO15 LL	Total/NA
Toluene	0.88		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.81		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.18		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.15		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
1,2-Dichloroethene, Total	0.28		0.040	0.040	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.37		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.52		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	4.8	D	0.39	0.39	ug/m3	7.94		TO15 LL	Total/NA
Trichlorofluoromethane - DL	6.2	D	0.45	0.45	ug/m3	7.94		TO15 LL	Total/NA
Chloroform - DL	0.39	D	0.39	0.39	ug/m3	7.94		TO15 LL	Total/NA
Benzene - DL	0.74	D	0.25	0.25	ug/m3	7.94		TO15 LL	Total/NA
Trichloroethene - DL	33	D	0.43	0.43	ug/m3	7.94		TO15 LL	Total/NA
Toluene - DL	1.2	D	0.30	0.30	ug/m3	7.94		TO15 LL	Total/NA
Tetrachloroethene - DL	1.2	D	0.54	0.54	ug/m3	7.94		TO15 LL	Total/NA
Xylenes, Total - DL	0.58	D	0.34	0.34	ug/m3	7.94		TO15 LL	Total/NA

Client Sample ID: IAS-4 — Lab Sample ID: 200-38008-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.62		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.053		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	0.69		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.097		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.058		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.043		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.069		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.017		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.22		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.053		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichloroethene	0.023		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.30		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.13		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.052		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.042		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.11		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.15		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.1		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.12		0.044	0.044	ug/m3	1		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-4 (Continued) — Lab Sample ID: 200-38008-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	3.9		0.056	0.056	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.34		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.28		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.15		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.43		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.080		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.72		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.22		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Trichloroethene	0.12		0.054	0.054	ug/m3	1		TO15 LL	Total/NA
Toluene	1.1		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.88		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.23		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.18		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.48		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.66		0.043	0.043	ug/m3	1		TO15 LL	Total/NA

Client Sample ID: IAS-5 — Lab Sample ID: 200-38008-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.59		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.043		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	0.56		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.080		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.044		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.038		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.052		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.014		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.18		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,2-Dichloroethane	0.024		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.040		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Trichloroethene	0.016		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.25		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.12		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.039		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.031		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.078		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.11		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.9		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.095		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	3.2		0.056	0.056	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.28		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.21		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.13		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.33		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.065		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.56		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
1,2-Dichloroethane	0.095		0.081	0.081	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.16		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Trichloroethene	0.087		0.054	0.054	ug/m3	1		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-5 (Continued) — Lab Sample ID: 200-38008-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.93		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.78		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.17		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.13		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.34		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.47		0.043	0.043	ug/m3	1		TO15 LL	Total/NA

Client Sample ID: IAS-6 — Lab Sample ID: 200-38008-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.50		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.048		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	0.56		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.092		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.038		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.036		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.056		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.016		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.18		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.037		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.25		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.074		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.035		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.031		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.088		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.12		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.5		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.11		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	3.1		0.056	0.056	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.32		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.18		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.12		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.35		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.074		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.59		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.15		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Toluene	0.93		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.50		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.15		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.13		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.38		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.52		0.043	0.043	ug/m3	1		TO15 LL	Total/NA

Client Sample ID: IAS-7 — Lab Sample ID: 200-38008-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.54		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.057		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	1.6	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7 (Continued) — Lab Sample ID: 200-38008-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.73		0.20	0.20	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.091		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.032		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.025		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.061		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.020		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.20		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.089		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.71		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.049		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Ethylbenzene	0.034		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
o-Xylene	0.025		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.092		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Xylenes, Total	0.12		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	0.56	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
1,3-Butadiene - DL	0.063	D	0.050	0.050	ppb v/v	2.5		TO15 LL	Total/NA
Trichlorofluoromethane - DL	1.7	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Methylene Chloride - DL	0.81	D	0.50	0.50	ppb v/v	2.5		TO15 LL	Total/NA
n-Hexane - DL	0.097	D	0.050	0.050	ppb v/v	2.5		TO15 LL	Total/NA
Chloroform - DL	0.034	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.059	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Benzene - DL	0.19	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
n-Heptane - DL	0.077	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Toluene - DL	0.65	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Tetrachloroethene - DL	0.050	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
m-Xylene & p-Xylene - DL	0.073	D	0.050	0.050	ppb v/v	2.5		TO15 LL	Total/NA
Xylenes, Total - DL	0.090	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.7		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.13		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	9.0	E	0.056	0.056	ug/m3	1		TO15 LL	Total/NA
Methylene Chloride	2.5		0.69	0.69	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.32		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.16		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.085		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.38		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.092		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.65		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.37		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Toluene	2.7		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.33		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Ethylbenzene	0.15		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
o-Xylene	0.11		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
m-Xylene & p-Xylene	0.40		0.087	0.087	ug/m3	1		TO15 LL	Total/NA
Xylenes, Total	0.51		0.043	0.043	ug/m3	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	2.8	D	0.12	0.12	ug/m3	2.5		TO15 LL	Total/NA
1,3-Butadiene - DL	0.14	D	0.11	0.11	ug/m3	2.5		TO15 LL	Total/NA
Trichlorofluoromethane - DL	9.3	D	0.14	0.14	ug/m3	2.5		TO15 LL	Total/NA
Methylene Chloride - DL	2.8	D	1.7	1.7	ug/m3	2.5		TO15 LL	Total/NA
n-Hexane - DL	0.34	D	0.18	0.18	ug/m3	2.5		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7 (Continued) — Lab Sample ID: 200-38008-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	0.17	D	0.12	0.12	ug/m3	2.5		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.37	D	0.16	0.16	ug/m3	2.5		TO15 LL	Total/NA
Benzene - DL	0.60	D	0.080	0.080	ug/m3	2.5		TO15 LL	Total/NA
n-Heptane - DL	0.32	D	0.10	0.10	ug/m3	2.5		TO15 LL	Total/NA
Toluene - DL	2.5	D	0.094	0.094	ug/m3	2.5		TO15 LL	Total/NA
Tetrachloroethene - DL	0.34	D	0.17	0.17	ug/m3	2.5		TO15 LL	Total/NA
m-Xylene & p-Xylene - DL	0.32	D	0.22	0.22	ug/m3	2.5		TO15 LL	Total/NA
Xylenes, Total - DL	0.39	D	0.11	0.11	ug/m3	2.5		TO15 LL	Total/NA

Client Sample ID: IAS-8 — Lab Sample ID: 200-38008-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.67		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
1,3-Butadiene	0.049		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Trichlorofluoromethane	1.5	E	0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Methylene Chloride	0.48		0.20	0.20	ppb v/v	1		TO15 LL	Total/NA
n-Hexane	0.095		0.020	0.020	ppb v/v	1		TO15 LL	Total/NA
Chloroform	0.040		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Cyclohexane	0.024		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Carbon tetrachloride	0.056		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.012		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Benzene	0.14		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
n-Heptane	0.045		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Toluene	0.17		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Tetrachloroethene	0.023		0.010	0.010	ppb v/v	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	0.67	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Trichlorofluoromethane - DL	1.5	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Methylene Chloride - DL	0.52	D	0.50	0.50	ppb v/v	2.5		TO15 LL	Total/NA
n-Hexane - DL	0.11	D	0.050	0.050	ppb v/v	2.5		TO15 LL	Total/NA
Chloroform - DL	0.044	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.053	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Benzene - DL	0.14	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
n-Heptane - DL	0.053	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA
Toluene - DL	0.15	D	0.025	0.025	ppb v/v	2.5		TO15 LL	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.3		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
1,3-Butadiene	0.11		0.044	0.044	ug/m3	1		TO15 LL	Total/NA
Trichlorofluoromethane	8.3	E	0.056	0.056	ug/m3	1		TO15 LL	Total/NA
Methylene Chloride	1.7		0.69	0.69	ug/m3	1		TO15 LL	Total/NA
n-Hexane	0.33		0.070	0.070	ug/m3	1		TO15 LL	Total/NA
Chloroform	0.19		0.049	0.049	ug/m3	1		TO15 LL	Total/NA
Cyclohexane	0.082		0.034	0.034	ug/m3	1		TO15 LL	Total/NA
Carbon tetrachloride	0.35		0.063	0.063	ug/m3	1		TO15 LL	Total/NA
2,2,4-Trimethylpentane	0.057		0.047	0.047	ug/m3	1		TO15 LL	Total/NA
Benzene	0.46		0.032	0.032	ug/m3	1		TO15 LL	Total/NA
n-Heptane	0.19		0.041	0.041	ug/m3	1		TO15 LL	Total/NA
Toluene	0.63		0.038	0.038	ug/m3	1		TO15 LL	Total/NA
Tetrachloroethene	0.16		0.068	0.068	ug/m3	1		TO15 LL	Total/NA
Dichlorodifluoromethane - DL	3.3	D	0.12	0.12	ug/m3	2.5		TO15 LL	Total/NA
Trichlorofluoromethane - DL	8.3	D	0.14	0.14	ug/m3	2.5		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-8 (Continued) — Lab Sample ID: 200-38008-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride - DL	1.8	D	1.7	1.7	ug/m3	2.5		TO15 LL	Total/NA
n-Hexane - DL	0.39	D	0.18	0.18	ug/m3	2.5		TO15 LL	Total/NA
Chloroform - DL	0.22	D	0.12	0.12	ug/m3	2.5		TO15 LL	Total/NA
Carbon tetrachloride - DL	0.33	D	0.16	0.16	ug/m3	2.5		TO15 LL	Total/NA
Benzene - DL	0.44	D	0.080	0.080	ug/m3	2.5		TO15 LL	Total/NA
n-Heptane - DL	0.22	D	0.10	0.10	ug/m3	2.5		TO15 LL	Total/NA
Toluene - DL	0.56	D	0.094	0.094	ug/m3	2.5		TO15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-1

Lab Sample ID: 200-38008-1

Date Collected: 03/31/17 07:00
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.95**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
1,3-Butadiene	**0.052**		0.020	0.020	ppb v/v			04/01/17 19:43	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
Trichlorofluoromethane	**1.0**	**E**	0.010	0.010	ppb v/v			04/01/17 19:43	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
Methylene Chloride	**0.20**		0.20	0.20	ppb v/v			04/01/17 19:43	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
n-Hexane	**0.13**		0.020	0.020	ppb v/v			04/01/17 19:43	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
Chloroform	**0.041**		0.010	0.010	ppb v/v			04/01/17 19:43	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
Cyclohexane	**0.047**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Carbon tetrachloride	**0.063**		0.010	0.010	ppb v/v			04/01/17 19:43	1
2,2,4-Trimethylpentane	**0.021**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Benzene	**0.24**		0.010	0.010	ppb v/v			04/01/17 19:43	1
1,2-Dichloroethane	**0.020**		0.020	0.020	ppb v/v			04/01/17 19:43	1
n-Heptane	**0.061**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Trichloroethene	**0.019**		0.010	0.010	ppb v/v			04/01/17 19:43	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
Toluene	**0.49**		0.010	0.010	ppb v/v			04/01/17 19:43	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
Tetrachloroethene	**0.20**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
Ethylbenzene	**0.036**		0.010	0.010	ppb v/v			04/01/17 19:43	1
o-Xylene	**0.035**		0.010	0.010	ppb v/v			04/01/17 19:43	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
4-Ethyltoluene	**0.012**		0.010	0.010	ppb v/v			04/01/17 19:43	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/01/17 19:43	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 19:43	1
m-Xylene & p-Xylene	**0.11**		0.020	0.020	ppb v/v			04/01/17 19:43	1
Xylenes, Total	**0.14**		0.010	0.010	ppb v/v			04/01/17 19:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**4.7**		0.049	0.049	ug/m3			04/01/17 19:43	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/01/17 19:43	1
1,3-Butadiene	**0.11**		0.044	0.044	ug/m3			04/01/17 19:43	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/01/17 19:43	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/01/17 19:43	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-1

Lab Sample ID: 200-38008-1
Matrix: Air

Date Collected: 03/31/17 07:00
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/01/17 19:43	1
Trichlorofluoromethane	**5.8**	**E**	0.056	0.056	ug/m3			04/01/17 19:43	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 19:43	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/01/17 19:43	1
Methylene Chloride	**0.68**		0.69	0.69	ug/m3			04/01/17 19:43	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/01/17 19:43	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 19:43	1
n-Hexane	**0.46**		0.070	0.070	ug/m3			04/01/17 19:43	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/01/17 19:43	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 19:43	1
Chloroform	**0.20**		0.049	0.049	ug/m3			04/01/17 19:43	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 19:43	1
Cyclohexane	**0.16**		0.034	0.034	ug/m3			04/01/17 19:43	1
Carbon tetrachloride	**0.40**		0.063	0.063	ug/m3			04/01/17 19:43	1
2,2,4-Trimethylpentane	**0.098**		0.047	0.047	ug/m3			04/01/17 19:43	1
Benzene	**0.75**		0.032	0.032	ug/m3			04/01/17 19:43	1
1,2-Dichloroethane	**0.081**		0.081	0.081	ug/m3			04/01/17 19:43	1
n-Heptane	**0.25**		0.041	0.041	ug/m3			04/01/17 19:43	1
Trichloroethene	**0.10**		0.054	0.054	ug/m3			04/01/17 19:43	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/01/17 19:43	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/01/17 19:43	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 19:43	1
Toluene	**1.8**		0.038	0.038	ug/m3			04/01/17 19:43	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 19:43	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 19:43	1
Tetrachloroethene	**1.3**		0.068	0.068	ug/m3			04/01/17 19:43	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/01/17 19:43	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/01/17 19:43	1
Ethylbenzene	**0.16**		0.043	0.043	ug/m3			04/01/17 19:43	1
o-Xylene	**0.15**		0.043	0.043	ug/m3			04/01/17 19:43	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/01/17 19:43	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/01/17 19:43	1
4-Ethyltoluene	**0.059**		0.049	0.049	ug/m3			04/01/17 19:43	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/01/17 19:43	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/01/17 19:43	1
m-Xylene & p-Xylene	**0.46**		0.087	0.087	ug/m3			04/01/17 19:43	1
Xylenes, Total	**0.62**		0.043	0.043	ug/m3			04/01/17 19:43	1

Client Sample ID: IAS-2

Lab Sample ID: 200-38008-2
Matrix: Air

Date Collected: 03/31/17 07:14
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.84**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
1,3-Butadiene	**0.067**		0.020	0.020	ppb v/v			04/02/17 03:39	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1

Client Sample ID: IAS-2

Lab Sample ID: 200-38008-2

Date Collected: 03/31/17 07:14
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
Trichlorofluoromethane	**1.4**	**E**	0.010	0.010	ppb v/v			04/02/17 03:39	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
Methylene Chloride	**0.21**		0.20	0.20	ppb v/v			04/02/17 03:39	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
trans-1,2-Dichloroethene	**0.020**		0.010	0.010	ppb v/v			04/02/17 03:39	1
n-Hexane	**0.14**		0.020	0.020	ppb v/v			04/02/17 03:39	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
cis-1,2-Dichloroethene	**0.19**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Chloroform	**0.048**		0.010	0.010	ppb v/v			04/02/17 03:39	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
Cyclohexane	**0.064**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Carbon tetrachloride	**0.063**		0.010	0.010	ppb v/v			04/02/17 03:39	1
2,2,4-Trimethylpentane	**0.020**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Benzene	**0.25**		0.010	0.010	ppb v/v			04/02/17 03:39	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
n-Heptane	**0.085**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Trichloroethene	**0.54**		0.010	0.010	ppb v/v			04/02/17 03:39	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
Toluene	**0.55**		0.010	0.010	ppb v/v			04/02/17 03:39	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
Tetrachloroethene	**3.6**	**E**	0.010	0.010	ppb v/v			04/02/17 03:39	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
Ethylbenzene	**0.039**		0.010	0.010	ppb v/v			04/02/17 03:39	1
o-Xylene	**0.038**		0.010	0.010	ppb v/v			04/02/17 03:39	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 03:39	1
4-Ethyltoluene	**0.012**		0.010	0.010	ppb v/v			04/02/17 03:39	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/02/17 03:39	1
1,2-Dichloroethene, Total	**0.21**		0.010	0.010	ppb v/v			04/02/17 03:39	1
m-Xylene & p-Xylene	**0.12**		0.020	0.020	ppb v/v			04/02/17 03:39	1
Xylenes, Total	**0.16**		0.010	0.010	ppb v/v			04/02/17 03:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**4.2**		0.049	0.049	ug/m3			04/02/17 03:39	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/02/17 03:39	1
1,3-Butadiene	**0.15**		0.044	0.044	ug/m3			04/02/17 03:39	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/02/17 03:39	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/02/17 03:39	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/02/17 03:39	1
Trichlorofluoromethane	**7.9**	**E**	0.056	0.056	ug/m3			04/02/17 03:39	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 03:39	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/02/17 03:39	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-2

Lab Sample ID: 200-38008-2

Date Collected: 03/31/17 07:14
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.74**		0.69	0.69	ug/m3			04/02/17 03:39	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/02/17 03:39	1
trans-1,2-Dichloroethene	**0.079**		0.040	0.040	ug/m3			04/02/17 03:39	1
n-Hexane	**0.50**		0.070	0.070	ug/m3			04/02/17 03:39	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/02/17 03:39	1
cis-1,2-Dichloroethene	**0.76**		0.040	0.040	ug/m3			04/02/17 03:39	1
Chloroform	**0.23**		0.049	0.049	ug/m3			04/02/17 03:39	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 03:39	1
Cyclohexane	**0.22**		0.034	0.034	ug/m3			04/02/17 03:39	1
Carbon tetrachloride	**0.39**		0.063	0.063	ug/m3			04/02/17 03:39	1
2,2,4-Trimethylpentane	**0.094**		0.047	0.047	ug/m3			04/02/17 03:39	1
Benzene	**0.79**		0.032	0.032	ug/m3			04/02/17 03:39	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/02/17 03:39	1
n-Heptane	**0.35**		0.041	0.041	ug/m3			04/02/17 03:39	1
Trichloroethene	**2.9**		0.054	0.054	ug/m3			04/02/17 03:39	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/02/17 03:39	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/02/17 03:39	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 03:39	1
Toluene	**2.1**		0.038	0.038	ug/m3			04/02/17 03:39	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 03:39	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 03:39	1
Tetrachloroethene	**25**	**E**	0.068	0.068	ug/m3			04/02/17 03:39	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/02/17 03:39	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/02/17 03:39	1
Ethylbenzene	**0.17**		0.043	0.043	ug/m3			04/02/17 03:39	1
o-Xylene	**0.16**		0.043	0.043	ug/m3			04/02/17 03:39	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/02/17 03:39	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/02/17 03:39	1
4-Ethyltoluene	**0.061**		0.049	0.049	ug/m3			04/02/17 03:39	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/02/17 03:39	1
1,2-Dichloroethene, Total	**0.84**		0.040	0.040	ug/m3			04/02/17 03:39	1
m-Xylene & p-Xylene	**0.51**		0.087	0.087	ug/m3			04/02/17 03:39	1
Xylenes, Total	**0.68**		0.043	0.043	ug/m3			04/02/17 03:39	1

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.86**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
Vinyl chloride	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
1,3-Butadiene	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Bromomethane	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Chloroethane	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Bromoethene(Vinyl Bromide)	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Trichlorofluoromethane	**1.4**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,1-Dichloroethene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
3-Chloropropene	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Methylene Chloride	0.80	U	0.80	0.80	ppb v/v			04/02/17 08:37	4
Methyl tert-butyl ether	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
n-Hexane	**0.16**	**D**	0.080	0.080	ppb v/v			04/02/17 08:37	4

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-2

Lab Sample ID: 200-38008-2

Date Collected: 03/31/17 07:14
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
cis-1,2-Dichloroethene	**0.16**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
Chloroform	**0.052**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,1,1-Trichloroethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Cyclohexane	**0.056**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
Carbon tetrachloride	**0.046**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
2,2,4-Trimethylpentane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Benzene	**0.20**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,2-Dichloroethane	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
n-Heptane	**0.071**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
Trichloroethene	**0.43**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,2-Dichloropropane	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
Bromodichloromethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
cis-1,3-Dichloropropene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Toluene	**0.39**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
trans-1,3-Dichloropropene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,1,2-Trichloroethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Tetrachloroethene	**3.0**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
Dibromochloromethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,2-Dibromoethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Ethylbenzene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
o-Xylene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
Bromoform	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
4-Ethyltoluene	0.040	U	0.040	0.040	ppb v/v			04/02/17 08:37	4
1,3,5-Trimethylbenzene	0.080	U	0.080	0.080	ppb v/v			04/02/17 08:37	4
1,2-Dichloroethene, Total	**0.16**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4
m-Xylene & p-Xylene	**0.096**	**D**	0.080	0.080	ppb v/v			04/02/17 08:37	4
Xylenes, Total	**0.096**	**D**	0.040	0.040	ppb v/v			04/02/17 08:37	4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**4.2**	**D**	0.20	0.20	ug/m3			04/02/17 08:37	4
Vinyl chloride	0.20	U	0.20	0.20	ug/m3			04/02/17 08:37	4
1,3-Butadiene	0.18	U	0.18	0.18	ug/m3			04/02/17 08:37	4
Bromomethane	0.31	U	0.31	0.31	ug/m3			04/02/17 08:37	4
Chloroethane	0.21	U	0.21	0.21	ug/m3			04/02/17 08:37	4
Bromoethene(Vinyl Bromide)	0.35	U	0.35	0.35	ug/m3			04/02/17 08:37	4
Trichlorofluoromethane	**7.7**	**D**	0.22	0.22	ug/m3			04/02/17 08:37	4
1,1-Dichloroethene	0.16	U	0.16	0.16	ug/m3			04/02/17 08:37	4
3-Chloropropene	0.25	U	0.25	0.25	ug/m3			04/02/17 08:37	4
Methylene Chloride	2.8	U	2.8	2.8	ug/m3			04/02/17 08:37	4
Methyl tert-butyl ether	0.14	U	0.14	0.14	ug/m3			04/02/17 08:37	4
trans-1,2-Dichloroethene	0.16	U	0.16	0.16	ug/m3			04/02/17 08:37	4
n-Hexane	**0.57**	**D**	0.28	0.28	ug/m3			04/02/17 08:37	4
1,1-Dichloroethane	0.16	U	0.16	0.16	ug/m3			04/02/17 08:37	4
cis-1,2-Dichloroethene	**0.65**	**D**	0.16	0.16	ug/m3			04/02/17 08:37	4
Chloroform	**0.25**	**D**	0.20	0.20	ug/m3			04/02/17 08:37	4
1,1,1-Trichloroethane	0.22	U	0.22	0.22	ug/m3			04/02/17 08:37	4
Cyclohexane	**0.19**	**D**	0.14	0.14	ug/m3			04/02/17 08:37	4

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-2

Lab Sample ID: 200-38008-2
Matrix: Air

Date Collected: 03/31/17 07:14
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	**0.29**	**D**	0.25	0.25	ug/m3			04/02/17 08:37	4
2,2,4-Trimethylpentane	0.19	U	0.19	0.19	ug/m3			04/02/17 08:37	4
Benzene	**0.64**	**D**	0.13	0.13	ug/m3			04/02/17 08:37	4
1,2-Dichloroethane	0.32	U	0.32	0.32	ug/m3			04/02/17 08:37	4
n-Heptane	**0.29**	**D**	0.16	0.16	ug/m3			04/02/17 08:37	4
Trichloroethene	**2.3**	**D**	0.21	0.21	ug/m3			04/02/17 08:37	4
1,2-Dichloropropane	0.37	U	0.37	0.37	ug/m3			04/02/17 08:37	4
Bromodichloromethane	0.27	U	0.27	0.27	ug/m3			04/02/17 08:37	4
cis-1,3-Dichloropropene	0.18	U	0.18	0.18	ug/m3			04/02/17 08:37	4
Toluene	**1.5**	**D**	0.15	0.15	ug/m3			04/02/17 08:37	4
trans-1,3-Dichloropropene	0.18	U	0.18	0.18	ug/m3			04/02/17 08:37	4
1,1,2-Trichloroethane	0.22	U	0.22	0.22	ug/m3			04/02/17 08:37	4
Tetrachloroethene	**20**	**D**	0.27	0.27	ug/m3			04/02/17 08:37	4
Dibromochloromethane	0.34	U	0.34	0.34	ug/m3			04/02/17 08:37	4
1,2-Dibromoethane	0.31	U	0.31	0.31	ug/m3			04/02/17 08:37	4
Ethylbenzene	0.17	U	0.17	0.17	ug/m3			04/02/17 08:37	4
o-Xylene	0.17	U	0.17	0.17	ug/m3			04/02/17 08:37	4
Bromoform	0.41	U	0.41	0.41	ug/m3			04/02/17 08:37	4
1,1,2,2-Tetrachloroethane	0.27	U	0.27	0.27	ug/m3			04/02/17 08:37	4
4-Ethyltoluene	0.20	U	0.20	0.20	ug/m3			04/02/17 08:37	4
1,3,5-Trimethylbenzene	0.39	U	0.39	0.39	ug/m3			04/02/17 08:37	4
1,2-Dichloroethene, Total	**0.65**	**D**	0.16	0.16	ug/m3			04/02/17 08:37	4
m-Xylene & p-Xylene	**0.42**	**D**	0.35	0.35	ug/m3			04/02/17 08:37	4
Xylenes, Total	**0.42**	**D**	0.17	0.17	ug/m3			04/02/17 08:37	4

Client Sample ID: IAS-3

Lab Sample ID: 200-38008-3
Matrix: Air

Date Collected: 03/31/17 06:13
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.56**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
1,3-Butadiene	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Trichlorofluoromethane	**0.64**		0.010	0.010	ppb v/v			04/02/17 04:39	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Methylene Chloride	0.20	U	0.20	0.20	ppb v/v			04/02/17 04:39	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
n-Hexane	**0.090**		0.020	0.020	ppb v/v			04/02/17 04:39	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
cis-1,2-Dichloroethene	**0.072**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Chloroform	**0.054**		0.010	0.010	ppb v/v			04/02/17 04:39	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-3

Lab Sample ID: 200-38008-3

Date Collected: 03/31/17 06:13
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	**0.032**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Carbon tetrachloride	**0.056**		0.010	0.010	ppb v/v			04/02/17 04:39	1
2,2,4-Trimethylpentane	**0.016**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Benzene	**0.19**		0.010	0.010	ppb v/v			04/02/17 04:39	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
n-Heptane	**0.028**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Trichloroethene	**4.9**	**E**	0.010	0.010	ppb v/v			04/02/17 04:39	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
Toluene	**0.23**		0.010	0.010	ppb v/v			04/02/17 04:39	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
Tetrachloroethene	**0.12**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
Ethylbenzene	**0.042**		0.010	0.010	ppb v/v			04/02/17 04:39	1
o-Xylene	**0.034**		0.010	0.010	ppb v/v			04/02/17 04:39	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/02/17 04:39	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/02/17 04:39	1
1,2-Dichloroethene, Total	**0.072**		0.010	0.010	ppb v/v			04/02/17 04:39	1
m-Xylene & p-Xylene	**0.085**		0.020	0.020	ppb v/v			04/02/17 04:39	1
Xylenes, Total	**0.12**		0.010	0.010	ppb v/v			04/02/17 04:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.8**		0.049	0.049	ug/m3			04/02/17 04:39	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/02/17 04:39	1
1,3-Butadiene	0.044	U	0.044	0.044	ug/m3			04/02/17 04:39	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/02/17 04:39	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/02/17 04:39	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/02/17 04:39	1
Trichlorofluoromethane	**3.6**		0.056	0.056	ug/m3			04/02/17 04:39	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 04:39	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/02/17 04:39	1
Methylene Chloride	0.69	U	0.69	0.69	ug/m3			04/02/17 04:39	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/02/17 04:39	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 04:39	1
n-Hexane	**0.32**		0.070	0.070	ug/m3			04/02/17 04:39	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/02/17 04:39	1
cis-1,2-Dichloroethene	**0.28**		0.040	0.040	ug/m3			04/02/17 04:39	1
Chloroform	**0.26**		0.049	0.049	ug/m3			04/02/17 04:39	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 04:39	1
Cyclohexane	**0.11**		0.034	0.034	ug/m3			04/02/17 04:39	1
Carbon tetrachloride	**0.35**		0.063	0.063	ug/m3			04/02/17 04:39	1
2,2,4-Trimethylpentane	**0.072**		0.047	0.047	ug/m3			04/02/17 04:39	1
Benzene	**0.59**		0.032	0.032	ug/m3			04/02/17 04:39	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/02/17 04:39	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-3

Lab Sample ID: 200-38008-3

Date Collected: 03/31/17 06:13
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	**0.11**		0.041	0.041	ug/m3			04/02/17 04:39	1
Trichloroethene	**26**	**E**	0.054	0.054	ug/m3			04/02/17 04:39	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/02/17 04:39	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/02/17 04:39	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 04:39	1
Toluene	**0.88**		0.038	0.038	ug/m3			04/02/17 04:39	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 04:39	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 04:39	1
Tetrachloroethene	**0.81**		0.068	0.068	ug/m3			04/02/17 04:39	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/02/17 04:39	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/02/17 04:39	1
Ethylbenzene	**0.18**		0.043	0.043	ug/m3			04/02/17 04:39	1
o-Xylene	**0.15**		0.043	0.043	ug/m3			04/02/17 04:39	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/02/17 04:39	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/02/17 04:39	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/02/17 04:39	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/02/17 04:39	1
1,2-Dichloroethene, Total	**0.28**		0.040	0.040	ug/m3			04/02/17 04:39	1
m-Xylene & p-Xylene	**0.37**		0.087	0.087	ug/m3			04/02/17 04:39	1
Xylenes, Total	**0.52**		0.043	0.043	ug/m3			04/02/17 04:39	1

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.97**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Vinyl chloride	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
1,3-Butadiene	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Bromomethane	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Chloroethane	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Bromoethene(Vinyl Bromide)	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Trichlorofluoromethane	**1.1**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,1-Dichloroethene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
3-Chloropropene	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Methylene Chloride	1.6	U	1.6	1.6	ppb v/v			04/02/17 09:36	7.94
Methyl tert-butyl ether	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
trans-1,2-Dichloroethene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
n-Hexane	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
1,1-Dichloroethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
cis-1,2-Dichloroethene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Chloroform	**0.079**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,1,1-Trichloroethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Cyclohexane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Carbon tetrachloride	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
2,2,4-Trimethylpentane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Benzene	**0.23**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,2-Dichloroethane	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
n-Heptane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Trichloroethene	**6.2**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,2-Dichloropropane	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Bromodichloromethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94

Client Sample ID: IAS-3

Lab Sample ID: 200-38008-3

Date Collected: 03/31/17 06:13
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Toluene	**0.32**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
trans-1,3-Dichloropropene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,1,2-Trichloroethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Tetrachloroethene	**0.18**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Dibromochloromethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,2-Dibromoethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Ethylbenzene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
o-Xylene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
Bromoform	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,1,2,2-Tetrachloroethane	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
4-Ethyltoluene	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
1,3,5-Trimethylbenzene	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
1,2-Dichloroethene, Total	0.079	U	0.079	0.079	ppb v/v			04/02/17 09:36	7.94
m-Xylene & p-Xylene	0.16	U	0.16	0.16	ppb v/v			04/02/17 09:36	7.94
Xylenes, Total	**0.13**	**D**	0.079	0.079	ppb v/v			04/02/17 09:36	7.94

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**4.8**	**D**	0.39	0.39	ug/m3			04/02/17 09:36	7.94
Vinyl chloride	0.41	U	0.41	0.41	ug/m3			04/02/17 09:36	7.94
1,3-Butadiene	0.35	U	0.35	0.35	ug/m3			04/02/17 09:36	7.94
Bromomethane	0.62	U	0.62	0.62	ug/m3			04/02/17 09:36	7.94
Chloroethane	0.42	U	0.42	0.42	ug/m3			04/02/17 09:36	7.94
Bromoethene(Vinyl Bromide)	0.69	U	0.69	0.69	ug/m3			04/02/17 09:36	7.94
Trichlorofluoromethane	**6.2**	**D**	0.45	0.45	ug/m3			04/02/17 09:36	7.94
1,1-Dichloroethene	0.31	U	0.31	0.31	ug/m3			04/02/17 09:36	7.94
3-Chloropropene	0.50	U	0.50	0.50	ug/m3			04/02/17 09:36	7.94
Methylene Chloride	5.5	U	5.5	5.5	ug/m3			04/02/17 09:36	7.94
Methyl tert-butyl ether	0.29	U	0.29	0.29	ug/m3			04/02/17 09:36	7.94
trans-1,2-Dichloroethene	0.31	U	0.31	0.31	ug/m3			04/02/17 09:36	7.94
n-Hexane	0.56	U	0.56	0.56	ug/m3			04/02/17 09:36	7.94
1,1-Dichloroethane	0.32	U	0.32	0.32	ug/m3			04/02/17 09:36	7.94
cis-1,2-Dichloroethene	0.31	U	0.31	0.31	ug/m3			04/02/17 09:36	7.94
Chloroform	**0.39**	**D**	0.39	0.39	ug/m3			04/02/17 09:36	7.94
1,1,1-Trichloroethane	0.43	U	0.43	0.43	ug/m3			04/02/17 09:36	7.94
Cyclohexane	0.27	U	0.27	0.27	ug/m3			04/02/17 09:36	7.94
Carbon tetrachloride	0.50	U	0.50	0.50	ug/m3			04/02/17 09:36	7.94
2,2,4-Trimethylpentane	0.37	U	0.37	0.37	ug/m3			04/02/17 09:36	7.94
Benzene	**0.74**	**D**	0.25	0.25	ug/m3			04/02/17 09:36	7.94
1,2-Dichloroethane	0.64	U	0.64	0.64	ug/m3			04/02/17 09:36	7.94
n-Heptane	0.33	U	0.33	0.33	ug/m3			04/02/17 09:36	7.94
Trichloroethene	**33**	**D**	0.43	0.43	ug/m3			04/02/17 09:36	7.94
1,2-Dichloropropane	0.73	U	0.73	0.73	ug/m3			04/02/17 09:36	7.94
Bromodichloromethane	0.53	U	0.53	0.53	ug/m3			04/02/17 09:36	7.94
cis-1,3-Dichloropropene	0.36	U	0.36	0.36	ug/m3			04/02/17 09:36	7.94
Toluene	**1.2**	**D**	0.30	0.30	ug/m3			04/02/17 09:36	7.94
trans-1,3-Dichloropropene	0.36	U	0.36	0.36	ug/m3			04/02/17 09:36	7.94
1,1,2-Trichloroethane	0.43	U	0.43	0.43	ug/m3			04/02/17 09:36	7.94
Tetrachloroethene	**1.2**	**D**	0.54	0.54	ug/m3			04/02/17 09:36	7.94

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-3

Lab Sample ID: 200-38008-3
Matrix: Air

Date Collected: 03/31/17 06:13
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.68	U	0.68	0.68	ug/m3			04/02/17 09:36	7.94
1,2-Dibromoethane	0.61	U	0.61	0.61	ug/m3			04/02/17 09:36	7.94
Ethylbenzene	0.34	U	0.34	0.34	ug/m3			04/02/17 09:36	7.94
o-Xylene	0.34	U	0.34	0.34	ug/m3			04/02/17 09:36	7.94
Bromoform	0.82	U	0.82	0.82	ug/m3			04/02/17 09:36	7.94
1,1,2,2-Tetrachloroethane	0.55	U	0.55	0.55	ug/m3			04/02/17 09:36	7.94
4-Ethyltoluene	0.39	U	0.39	0.39	ug/m3			04/02/17 09:36	7.94
1,3,5-Trimethylbenzene	0.78	U	0.78	0.78	ug/m3			04/02/17 09:36	7.94
1,2-Dichloroethene, Total	0.31	U	0.31	0.31	ug/m3			04/02/17 09:36	7.94
m-Xylene & p-Xylene	0.69	U	0.69	0.69	ug/m3			04/02/17 09:36	7.94
Xylenes, Total	**0.58**	**D**	0.34	0.34	ug/m3			04/02/17 09:36	7.94

Client Sample ID: IAS-4

Lab Sample ID: 200-38008-4
Matrix: Air

Date Collected: 03/31/17 06:14
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.62**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
1,3-Butadiene	**0.053**		0.020	0.020	ppb v/v			04/01/17 20:42	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
Trichlorofluoromethane	**0.69**		0.010	0.010	ppb v/v			04/01/17 20:42	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
Methylene Chloride	0.20	U	0.20	0.20	ppb v/v			04/01/17 20:42	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
n-Hexane	**0.097**		0.020	0.020	ppb v/v			04/01/17 20:42	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
Chloroform	**0.058**		0.010	0.010	ppb v/v			04/01/17 20:42	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
Cyclohexane	**0.043**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Carbon tetrachloride	**0.069**		0.010	0.010	ppb v/v			04/01/17 20:42	1
2,2,4-Trimethylpentane	**0.017**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Benzene	**0.22**		0.010	0.010	ppb v/v			04/01/17 20:42	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
n-Heptane	**0.053**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Trichloroethene	**0.023**		0.010	0.010	ppb v/v			04/01/17 20:42	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
Toluene	**0.30**		0.010	0.010	ppb v/v			04/01/17 20:42	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1

Client Sample ID: IAS-4

Lab Sample ID: 200-38008-4

Date Collected: 03/31/17 06:14
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.13**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
Ethylbenzene	**0.052**		0.010	0.010	ppb v/v			04/01/17 20:42	1
o-Xylene	**0.042**		0.010	0.010	ppb v/v			04/01/17 20:42	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/01/17 20:42	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 20:42	1
m-Xylene & p-Xylene	**0.11**		0.020	0.020	ppb v/v			04/01/17 20:42	1
Xylenes, Total	**0.15**		0.010	0.010	ppb v/v			04/01/17 20:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.1**		0.049	0.049	ug/m3			04/01/17 20:42	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/01/17 20:42	1
1,3-Butadiene	**0.12**		0.044	0.044	ug/m3			04/01/17 20:42	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/01/17 20:42	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/01/17 20:42	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/01/17 20:42	1
Trichlorofluoromethane	**3.9**		0.056	0.056	ug/m3			04/01/17 20:42	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 20:42	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/01/17 20:42	1
Methylene Chloride	0.69	U	0.69	0.69	ug/m3			04/01/17 20:42	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/01/17 20:42	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 20:42	1
n-Hexane	**0.34**		0.070	0.070	ug/m3			04/01/17 20:42	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/01/17 20:42	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 20:42	1
Chloroform	**0.28**		0.049	0.049	ug/m3			04/01/17 20:42	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 20:42	1
Cyclohexane	**0.15**		0.034	0.034	ug/m3			04/01/17 20:42	1
Carbon tetrachloride	**0.43**		0.063	0.063	ug/m3			04/01/17 20:42	1
2,2,4-Trimethylpentane	**0.080**		0.047	0.047	ug/m3			04/01/17 20:42	1
Benzene	**0.72**		0.032	0.032	ug/m3			04/01/17 20:42	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/01/17 20:42	1
n-Heptane	**0.22**		0.041	0.041	ug/m3			04/01/17 20:42	1
Trichloroethene	**0.12**		0.054	0.054	ug/m3			04/01/17 20:42	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/01/17 20:42	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/01/17 20:42	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 20:42	1
Toluene	**1.1**		0.038	0.038	ug/m3			04/01/17 20:42	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 20:42	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 20:42	1
Tetrachloroethene	**0.88**		0.068	0.068	ug/m3			04/01/17 20:42	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/01/17 20:42	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/01/17 20:42	1
Ethylbenzene	**0.23**		0.043	0.043	ug/m3			04/01/17 20:42	1
o-Xylene	**0.18**		0.043	0.043	ug/m3			04/01/17 20:42	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-4

Lab Sample ID: 200-38008-4
Matrix: Air

Date Collected: 03/31/17 06:14
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.10	U	0.10	0.10	ug/m3			04/01/17 20:42	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/01/17 20:42	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/01/17 20:42	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/01/17 20:42	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/01/17 20:42	1
m-Xylene & p-Xylene	**0.48**		0.087	0.087	ug/m3			04/01/17 20:42	1
Xylenes, Total	**0.66**		0.043	0.043	ug/m3			04/01/17 20:42	1

Client Sample ID: IAS-5

Lab Sample ID: 200-38008-5
Matrix: Air

Date Collected: 03/31/17 06:12
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.59**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
1,3-Butadiene	**0.043**		0.020	0.020	ppb v/v			04/01/17 21:42	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
Trichlorofluoromethane	**0.56**		0.010	0.010	ppb v/v			04/01/17 21:42	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
Methylene Chloride	0.20	U	0.20	0.20	ppb v/v			04/01/17 21:42	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
n-Hexane	**0.080**		0.020	0.020	ppb v/v			04/01/17 21:42	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
Chloroform	**0.044**		0.010	0.010	ppb v/v			04/01/17 21:42	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
Cyclohexane	**0.038**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Carbon tetrachloride	**0.052**		0.010	0.010	ppb v/v			04/01/17 21:42	1
2,2,4-Trimethylpentane	**0.014**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Benzene	**0.18**		0.010	0.010	ppb v/v			04/01/17 21:42	1
1,2-Dichloroethane	**0.024**		0.020	0.020	ppb v/v			04/01/17 21:42	1
n-Heptane	**0.040**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Trichloroethene	**0.016**		0.010	0.010	ppb v/v			04/01/17 21:42	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
Toluene	**0.25**		0.010	0.010	ppb v/v			04/01/17 21:42	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
Tetrachloroethene	**0.12**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
Ethylbenzene	**0.039**		0.010	0.010	ppb v/v			04/01/17 21:42	1

Client Sample ID: IAS-5

Lab Sample ID: 200-38008-5

Date Collected: 03/31/17 06:12
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**0.031**		0.010	0.010	ppb v/v			04/01/17 21:42	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/01/17 21:42	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 21:42	1
m-Xylene & p-Xylene	**0.078**		0.020	0.020	ppb v/v			04/01/17 21:42	1
Xylenes, Total	**0.11**		0.010	0.010	ppb v/v			04/01/17 21:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.9**		0.049	0.049	ug/m3			04/01/17 21:42	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/01/17 21:42	1
1,3-Butadiene	**0.095**		0.044	0.044	ug/m3			04/01/17 21:42	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/01/17 21:42	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/01/17 21:42	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/01/17 21:42	1
Trichlorofluoromethane	**3.2**		0.056	0.056	ug/m3			04/01/17 21:42	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 21:42	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/01/17 21:42	1
Methylene Chloride	0.69	U	0.69	0.69	ug/m3			04/01/17 21:42	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/01/17 21:42	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 21:42	1
n-Hexane	**0.28**		0.070	0.070	ug/m3			04/01/17 21:42	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/01/17 21:42	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 21:42	1
Chloroform	**0.21**		0.049	0.049	ug/m3			04/01/17 21:42	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 21:42	1
Cyclohexane	**0.13**		0.034	0.034	ug/m3			04/01/17 21:42	1
Carbon tetrachloride	**0.33**		0.063	0.063	ug/m3			04/01/17 21:42	1
2,2,4-Trimethylpentane	**0.065**		0.047	0.047	ug/m3			04/01/17 21:42	1
Benzene	**0.56**		0.032	0.032	ug/m3			04/01/17 21:42	1
1,2-Dichloroethane	**0.095**		0.081	0.081	ug/m3			04/01/17 21:42	1
n-Heptane	**0.16**		0.041	0.041	ug/m3			04/01/17 21:42	1
Trichloroethene	**0.087**		0.054	0.054	ug/m3			04/01/17 21:42	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/01/17 21:42	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/01/17 21:42	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 21:42	1
Toluene	**0.93**		0.038	0.038	ug/m3			04/01/17 21:42	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 21:42	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 21:42	1
Tetrachloroethene	**0.78**		0.068	0.068	ug/m3			04/01/17 21:42	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/01/17 21:42	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/01/17 21:42	1
Ethylbenzene	**0.17**		0.043	0.043	ug/m3			04/01/17 21:42	1
o-Xylene	**0.13**		0.043	0.043	ug/m3			04/01/17 21:42	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/01/17 21:42	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/01/17 21:42	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/01/17 21:42	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/01/17 21:42	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-5

Lab Sample ID: 200-38008-5
Matrix: Air

Date Collected: 03/31/17 06:12
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/01/17 21:42	1
m-Xylene & p-Xylene	**0.34**		0.087	0.087	ug/m3			04/01/17 21:42	1
Xylenes, Total	**0.47**		0.043	0.043	ug/m3			04/01/17 21:42	1

Client Sample ID: IAS-6

Lab Sample ID: 200-38008-6
Matrix: Air

Date Collected: 03/31/17 05:58
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.50**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
1,3-Butadiene	**0.048**		0.020	0.020	ppb v/v			04/01/17 23:41	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
Trichlorofluoromethane	**0.56**		0.010	0.010	ppb v/v			04/01/17 23:41	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
Methylene Chloride	0.20	U	0.20	0.20	ppb v/v			04/01/17 23:41	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
n-Hexane	**0.092**		0.020	0.020	ppb v/v			04/01/17 23:41	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
Chloroform	**0.038**		0.010	0.010	ppb v/v			04/01/17 23:41	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
Cyclohexane	**0.036**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Carbon tetrachloride	**0.056**		0.010	0.010	ppb v/v			04/01/17 23:41	1
2,2,4-Trimethylpentane	**0.016**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Benzene	**0.18**		0.010	0.010	ppb v/v			04/01/17 23:41	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
n-Heptane	**0.037**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Trichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
Toluene	**0.25**		0.010	0.010	ppb v/v			04/01/17 23:41	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
Tetrachloroethene	**0.074**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
Ethylbenzene	**0.035**		0.010	0.010	ppb v/v			04/01/17 23:41	1
o-Xylene	**0.031**		0.010	0.010	ppb v/v			04/01/17 23:41	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1

Client Sample ID: IAS-6

Lab Sample ID: 200-38008-6

Date Collected: 03/31/17 05:58
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/01/17 23:41	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 23:41	1
m-Xylene & p-Xylene	**0.088**		0.020	0.020	ppb v/v			04/01/17 23:41	1
Xylenes, Total	**0.12**		0.010	0.010	ppb v/v			04/01/17 23:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**		0.049	0.049	ug/m3			04/01/17 23:41	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/01/17 23:41	1
1,3-Butadiene	**0.11**		0.044	0.044	ug/m3			04/01/17 23:41	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/01/17 23:41	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/01/17 23:41	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/01/17 23:41	1
Trichlorofluoromethane	**3.1**		0.056	0.056	ug/m3			04/01/17 23:41	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 23:41	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/01/17 23:41	1
Methylene Chloride	0.69	U	0.69	0.69	ug/m3			04/01/17 23:41	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/01/17 23:41	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 23:41	1
n-Hexane	**0.32**		0.070	0.070	ug/m3			04/01/17 23:41	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/01/17 23:41	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 23:41	1
Chloroform	**0.18**		0.049	0.049	ug/m3			04/01/17 23:41	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 23:41	1
Cyclohexane	**0.12**		0.034	0.034	ug/m3			04/01/17 23:41	1
Carbon tetrachloride	**0.35**		0.063	0.063	ug/m3			04/01/17 23:41	1
2,2,4-Trimethylpentane	**0.074**		0.047	0.047	ug/m3			04/01/17 23:41	1
Benzene	**0.59**		0.032	0.032	ug/m3			04/01/17 23:41	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/01/17 23:41	1
n-Heptane	**0.15**		0.041	0.041	ug/m3			04/01/17 23:41	1
Trichloroethene	0.054	U	0.054	0.054	ug/m3			04/01/17 23:41	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/01/17 23:41	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/01/17 23:41	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 23:41	1
Toluene	**0.93**		0.038	0.038	ug/m3			04/01/17 23:41	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 23:41	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 23:41	1
Tetrachloroethene	**0.50**		0.068	0.068	ug/m3			04/01/17 23:41	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/01/17 23:41	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/01/17 23:41	1
Ethylbenzene	**0.15**		0.043	0.043	ug/m3			04/01/17 23:41	1
o-Xylene	**0.13**		0.043	0.043	ug/m3			04/01/17 23:41	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/01/17 23:41	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/01/17 23:41	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/01/17 23:41	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/01/17 23:41	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/01/17 23:41	1
m-Xylene & p-Xylene	**0.38**		0.087	0.087	ug/m3			04/01/17 23:41	1
Xylenes, Total	**0.52**		0.043	0.043	ug/m3			04/01/17 23:41	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7

Lab Sample ID: 200-38008-7

Date Collected: 03/31/17 06:07
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.54**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
1,3-Butadiene	**0.057**		0.020	0.020	ppb v/v			04/02/17 00:41	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
Trichlorofluoromethane	**1.6**	**E**	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
Methylene Chloride	**0.73**		0.20	0.20	ppb v/v			04/02/17 00:41	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
n-Hexane	**0.091**		0.020	0.020	ppb v/v			04/02/17 00:41	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
Chloroform	**0.032**		0.010	0.010	ppb v/v			04/02/17 00:41	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
Cyclohexane	**0.025**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Carbon tetrachloride	**0.061**		0.010	0.010	ppb v/v			04/02/17 00:41	1
2,2,4-Trimethylpentane	**0.020**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Benzene	**0.20**		0.010	0.010	ppb v/v			04/02/17 00:41	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
n-Heptane	**0.089**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Trichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
Toluene	**0.71**		0.010	0.010	ppb v/v			04/02/17 00:41	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
Tetrachloroethene	**0.049**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
Ethylbenzene	**0.034**		0.010	0.010	ppb v/v			04/02/17 00:41	1
o-Xylene	**0.025**		0.010	0.010	ppb v/v			04/02/17 00:41	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/02/17 00:41	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/02/17 00:41	1
m-Xylene & p-Xylene	**0.092**		0.020	0.020	ppb v/v			04/02/17 00:41	1
Xylenes, Total	**0.12**		0.010	0.010	ppb v/v			04/02/17 00:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.7**		0.049	0.049	ug/m3			04/02/17 00:41	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/02/17 00:41	1
1,3-Butadiene	**0.13**		0.044	0.044	ug/m3			04/02/17 00:41	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/02/17 00:41	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/02/17 00:41	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7

Lab Sample ID: 200-38008-7

Date Collected: 03/31/17 06:07
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/02/17 00:41	1
Trichlorofluoromethane	**9.0**	**E**	0.056	0.056	ug/m3			04/02/17 00:41	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 00:41	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/02/17 00:41	1
Methylene Chloride	**2.5**		0.69	0.69	ug/m3			04/02/17 00:41	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/02/17 00:41	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 00:41	1
n-Hexane	**0.32**		0.070	0.070	ug/m3			04/02/17 00:41	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/02/17 00:41	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 00:41	1
Chloroform	**0.16**		0.049	0.049	ug/m3			04/02/17 00:41	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 00:41	1
Cyclohexane	**0.085**		0.034	0.034	ug/m3			04/02/17 00:41	1
Carbon tetrachloride	**0.38**		0.063	0.063	ug/m3			04/02/17 00:41	1
2,2,4-Trimethylpentane	**0.092**		0.047	0.047	ug/m3			04/02/17 00:41	1
Benzene	**0.65**		0.032	0.032	ug/m3			04/02/17 00:41	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/02/17 00:41	1
n-Heptane	**0.37**		0.041	0.041	ug/m3			04/02/17 00:41	1
Trichloroethene	0.054	U	0.054	0.054	ug/m3			04/02/17 00:41	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/02/17 00:41	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/02/17 00:41	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 00:41	1
Toluene	**2.7**		0.038	0.038	ug/m3			04/02/17 00:41	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 00:41	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 00:41	1
Tetrachloroethene	**0.33**		0.068	0.068	ug/m3			04/02/17 00:41	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/02/17 00:41	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/02/17 00:41	1
Ethylbenzene	**0.15**		0.043	0.043	ug/m3			04/02/17 00:41	1
o-Xylene	**0.11**		0.043	0.043	ug/m3			04/02/17 00:41	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/02/17 00:41	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/02/17 00:41	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/02/17 00:41	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/02/17 00:41	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/02/17 00:41	1
m-Xylene & p-Xylene	**0.40**		0.087	0.087	ug/m3			04/02/17 00:41	1
Xylenes, Total	**0.51**		0.043	0.043	ug/m3			04/02/17 00:41	1

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.56**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Vinyl chloride	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
1,3-Butadiene	**0.063**	**D**	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Bromomethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Chloroethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Bromoethene(Vinyl Bromide)	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Trichlorofluoromethane	**1.7**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,1-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
3-Chloropropene	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7

Lab Sample ID: 200-38008-7

Date Collected: 03/31/17 06:07
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.81**	**D**	0.50	0.50	ppb v/v			04/02/17 06:38	2.5
Methyl tert-butyl ether	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
trans-1,2-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
n-Hexane	**0.097**	**D**	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
1,1-Dichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
cis-1,2-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Chloroform	**0.034**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,1,1-Trichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Cyclohexane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Carbon tetrachloride	**0.059**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
2,2,4-Trimethylpentane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Benzene	**0.19**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,2-Dichloroethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
n-Heptane	**0.077**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Trichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,2-Dichloropropane	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Bromodichloromethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
cis-1,3-Dichloropropene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Toluene	**0.65**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
trans-1,3-Dichloropropene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,1,2-Trichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Tetrachloroethene	**0.050**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Dibromochloromethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,2-Dibromoethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Ethylbenzene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
o-Xylene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
Bromoform	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,1,2,2-Tetrachloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
4-Ethyltoluene	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
1,3,5-Trimethylbenzene	0.050	U	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
1,2-Dichloroethene, Total	0.025	U	0.025	0.025	ppb v/v			04/02/17 06:38	2.5
m-Xylene & p-Xylene	**0.073**	**D**	0.050	0.050	ppb v/v			04/02/17 06:38	2.5
Xylenes, Total	**0.090**	**D**	0.025	0.025	ppb v/v			04/02/17 06:38	2.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.8**	**D**	0.12	0.12	ug/m3			04/02/17 06:38	2.5
Vinyl chloride	0.13	U	0.13	0.13	ug/m3			04/02/17 06:38	2.5
1,3-Butadiene	**0.14**	**D**	0.11	0.11	ug/m3			04/02/17 06:38	2.5
Bromomethane	0.19	U	0.19	0.19	ug/m3			04/02/17 06:38	2.5
Chloroethane	0.13	U	0.13	0.13	ug/m3			04/02/17 06:38	2.5
Bromoethene(Vinyl Bromide)	0.22	U	0.22	0.22	ug/m3			04/02/17 06:38	2.5
Trichlorofluoromethane	**9.3**	**D**	0.14	0.14	ug/m3			04/02/17 06:38	2.5
1,1-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 06:38	2.5
3-Chloropropene	0.16	U	0.16	0.16	ug/m3			04/02/17 06:38	2.5
Methylene Chloride	**2.8**	**D**	1.7	1.7	ug/m3			04/02/17 06:38	2.5
Methyl tert-butyl ether	0.090	U	0.090	0.090	ug/m3			04/02/17 06:38	2.5
trans-1,2-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 06:38	2.5
n-Hexane	**0.34**	**D**	0.18	0.18	ug/m3			04/02/17 06:38	2.5
1,1-Dichloroethane	0.10	U	0.10	0.10	ug/m3			04/02/17 06:38	2.5

Client Sample ID: IAS-7

Lab Sample ID: 200-38008-7

Date Collected: 03/31/17 06:07
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 06:38	2.5
Chloroform	**0.17**	**D**	0.12	0.12	ug/m3			04/02/17 06:38	2.5
1,1,1-Trichloroethane	0.14	U	0.14	0.14	ug/m3			04/02/17 06:38	2.5
Cyclohexane	0.086	U	0.086	0.086	ug/m3			04/02/17 06:38	2.5
Carbon tetrachloride	**0.37**	**D**	0.16	0.16	ug/m3			04/02/17 06:38	2.5
2,2,4-Trimethylpentane	0.12	U	0.12	0.12	ug/m3			04/02/17 06:38	2.5
Benzene	**0.60**	**D**	0.080	0.080	ug/m3			04/02/17 06:38	2.5
1,2-Dichloroethane	0.20	U	0.20	0.20	ug/m3			04/02/17 06:38	2.5
n-Heptane	**0.32**	**D**	0.10	0.10	ug/m3			04/02/17 06:38	2.5
Trichloroethene	0.13	U	0.13	0.13	ug/m3			04/02/17 06:38	2.5
1,2-Dichloropropane	0.23	U	0.23	0.23	ug/m3			04/02/17 06:38	2.5
Bromodichloromethane	0.17	U	0.17	0.17	ug/m3			04/02/17 06:38	2.5
cis-1,3-Dichloropropene	0.11	U	0.11	0.11	ug/m3			04/02/17 06:38	2.5
Toluene	**2.5**	**D**	0.094	0.094	ug/m3			04/02/17 06:38	2.5
trans-1,3-Dichloropropene	0.11	U	0.11	0.11	ug/m3			04/02/17 06:38	2.5
1,1,2-Trichloroethane	0.14	U	0.14	0.14	ug/m3			04/02/17 06:38	2.5
Tetrachloroethene	**0.34**	**D**	0.17	0.17	ug/m3			04/02/17 06:38	2.5
Dibromochloromethane	0.21	U	0.21	0.21	ug/m3			04/02/17 06:38	2.5
1,2-Dibromoethane	0.19	U	0.19	0.19	ug/m3			04/02/17 06:38	2.5
Ethylbenzene	0.11	U	0.11	0.11	ug/m3			04/02/17 06:38	2.5
o-Xylene	0.11	U	0.11	0.11	ug/m3			04/02/17 06:38	2.5
Bromoform	0.26	U	0.26	0.26	ug/m3			04/02/17 06:38	2.5
1,1,2,2-Tetrachloroethane	0.17	U	0.17	0.17	ug/m3			04/02/17 06:38	2.5
4-Ethyltoluene	0.12	U	0.12	0.12	ug/m3			04/02/17 06:38	2.5
1,3,5-Trimethylbenzene	0.25	U	0.25	0.25	ug/m3			04/02/17 06:38	2.5
1,2-Dichloroethene, Total	0.099	U	0.099	0.099	ug/m3			04/02/17 06:38	2.5
m-Xylene & p-Xylene	**0.32**	**D**	0.22	0.22	ug/m3			04/02/17 06:38	2.5
Xylenes, Total	**0.39**	**D**	0.11	0.11	ug/m3			04/02/17 06:38	2.5

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8

Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.67**		0.010	0.010	ppb v/v			04/02/17 01:40	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
1,3-Butadiene	**0.049**		0.020	0.020	ppb v/v			04/02/17 01:40	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Trichlorofluoromethane	**1.5**	**E**	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Methylene Chloride	**0.48**		0.20	0.20	ppb v/v			04/02/17 01:40	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
n-Hexane	**0.095**		0.020	0.020	ppb v/v			04/02/17 01:40	1

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8

Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Chloroform	**0.040**		0.010	0.010	ppb v/v			04/02/17 01:40	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Cyclohexane	**0.024**		0.010	0.010	ppb v/v			04/02/17 01:40	1
Carbon tetrachloride	**0.056**		0.010	0.010	ppb v/v			04/02/17 01:40	1
2,2,4-Trimethylpentane	**0.012**		0.010	0.010	ppb v/v			04/02/17 01:40	1
Benzene	**0.14**		0.010	0.010	ppb v/v			04/02/17 01:40	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
n-Heptane	**0.045**		0.010	0.010	ppb v/v			04/02/17 01:40	1
Trichloroethene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Toluene	**0.17**		0.010	0.010	ppb v/v			04/02/17 01:40	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Tetrachloroethene	**0.023**		0.010	0.010	ppb v/v			04/02/17 01:40	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Ethylbenzene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
o-Xylene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1
m-Xylene & p-Xylene	0.020	U	0.020	0.020	ppb v/v			04/02/17 01:40	1
Xylenes, Total	0.010	U	0.010	0.010	ppb v/v			04/02/17 01:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.3**		0.049	0.049	ug/m3			04/02/17 01:40	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/02/17 01:40	1
1,3-Butadiene	**0.11**		0.044	0.044	ug/m3			04/02/17 01:40	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/02/17 01:40	1
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/02/17 01:40	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/02/17 01:40	1
Trichlorofluoromethane	**8.3**	**E**	0.056	0.056	ug/m3			04/02/17 01:40	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 01:40	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/02/17 01:40	1
Methylene Chloride	**1.7**		0.69	0.69	ug/m3			04/02/17 01:40	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/02/17 01:40	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 01:40	1
n-Hexane	**0.33**		0.070	0.070	ug/m3			04/02/17 01:40	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/02/17 01:40	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/02/17 01:40	1
Chloroform	**0.19**		0.049	0.049	ug/m3			04/02/17 01:40	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 01:40	1
Cyclohexane	**0.082**		0.034	0.034	ug/m3			04/02/17 01:40	1

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8

Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	**0.35**		0.063	0.063	ug/m3			04/02/17 01:40	1
2,2,4-Trimethylpentane	**0.057**		0.047	0.047	ug/m3			04/02/17 01:40	1
Benzene	**0.46**		0.032	0.032	ug/m3			04/02/17 01:40	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/02/17 01:40	1
n-Heptane	**0.19**		0.041	0.041	ug/m3			04/02/17 01:40	1
Trichloroethene	0.054	U	0.054	0.054	ug/m3			04/02/17 01:40	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/02/17 01:40	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/02/17 01:40	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 01:40	1
Toluene	**0.63**		0.038	0.038	ug/m3			04/02/17 01:40	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/02/17 01:40	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/02/17 01:40	1
Tetrachloroethene	**0.16**		0.068	0.068	ug/m3			04/02/17 01:40	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/02/17 01:40	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/02/17 01:40	1
Ethylbenzene	0.043	U	0.043	0.043	ug/m3			04/02/17 01:40	1
o-Xylene	0.043	U	0.043	0.043	ug/m3			04/02/17 01:40	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/02/17 01:40	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/02/17 01:40	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/02/17 01:40	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/02/17 01:40	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/02/17 01:40	1
m-Xylene & p-Xylene	0.087	U	0.087	0.087	ug/m3			04/02/17 01:40	1
Xylenes, Total	0.043	U	0.043	0.043	ug/m3			04/02/17 01:40	1

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.67**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Vinyl chloride	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
1,3-Butadiene	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Bromomethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Chloroethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Bromoethene(Vinyl Bromide)	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Trichlorofluoromethane	**1.5**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,1-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
3-Chloropropene	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Methylene Chloride	**0.52**	**D**	0.50	0.50	ppb v/v			04/02/17 07:38	2.5
Methyl tert-butyl ether	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
trans-1,2-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
n-Hexane	**0.11**	**D**	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
1,1-Dichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
cis-1,2-Dichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Chloroform	**0.044**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,1,1-Trichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Cyclohexane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Carbon tetrachloride	**0.053**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
2,2,4-Trimethylpentane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Benzene	**0.14**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,2-Dichloroethane	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8

Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	**0.053**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Trichloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,2-Dichloropropane	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Bromodichloromethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
cis-1,3-Dichloropropene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Toluene	**0.15**	**D**	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
trans-1,3-Dichloropropene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,1,2-Trichloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Tetrachloroethene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Dibromochloromethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,2-Dibromoethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Ethylbenzene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
o-Xylene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
Bromoform	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,1,2,2-Tetrachloroethane	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
4-Ethyltoluene	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
1,3,5-Trimethylbenzene	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
1,2-Dichloroethene, Total	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5
m-Xylene & p-Xylene	0.050	U	0.050	0.050	ppb v/v			04/02/17 07:38	2.5
Xylenes, Total	0.025	U	0.025	0.025	ppb v/v			04/02/17 07:38	2.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.3**	**D**	0.12	0.12	ug/m3			04/02/17 07:38	2.5
Vinyl chloride	0.13	U	0.13	0.13	ug/m3			04/02/17 07:38	2.5
1,3-Butadiene	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5
Bromomethane	0.19	U	0.19	0.19	ug/m3			04/02/17 07:38	2.5
Chloroethane	0.13	U	0.13	0.13	ug/m3			04/02/17 07:38	2.5
Bromoethene(Vinyl Bromide)	0.22	U	0.22	0.22	ug/m3			04/02/17 07:38	2.5
Trichlorofluoromethane	**8.3**	**D**	0.14	0.14	ug/m3			04/02/17 07:38	2.5
1,1-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 07:38	2.5
3-Chloropropene	0.16	U	0.16	0.16	ug/m3			04/02/17 07:38	2.5
Methylene Chloride	**1.8**	**D**	1.7	1.7	ug/m3			04/02/17 07:38	2.5
Methyl tert-butyl ether	0.090	U	0.090	0.090	ug/m3			04/02/17 07:38	2.5
trans-1,2-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 07:38	2.5
n-Hexane	**0.39**	**D**	0.18	0.18	ug/m3			04/02/17 07:38	2.5
1,1-Dichloroethane	0.10	U	0.10	0.10	ug/m3			04/02/17 07:38	2.5
cis-1,2-Dichloroethene	0.099	U	0.099	0.099	ug/m3			04/02/17 07:38	2.5
Chloroform	**0.22**	**D**	0.12	0.12	ug/m3			04/02/17 07:38	2.5
1,1,1-Trichloroethane	0.14	U	0.14	0.14	ug/m3			04/02/17 07:38	2.5
Cyclohexane	0.086	U	0.086	0.086	ug/m3			04/02/17 07:38	2.5
Carbon tetrachloride	**0.33**	**D**	0.16	0.16	ug/m3			04/02/17 07:38	2.5
2,2,4-Trimethylpentane	0.12	U	0.12	0.12	ug/m3			04/02/17 07:38	2.5
Benzene	**0.44**	**D**	0.080	0.080	ug/m3			04/02/17 07:38	2.5
1,2-Dichloroethane	0.20	U	0.20	0.20	ug/m3			04/02/17 07:38	2.5
n-Heptane	**0.22**	**D**	0.10	0.10	ug/m3			04/02/17 07:38	2.5
Trichloroethene	0.13	U	0.13	0.13	ug/m3			04/02/17 07:38	2.5
1,2-Dichloropropane	0.23	U	0.23	0.23	ug/m3			04/02/17 07:38	2.5
Bromodichloromethane	0.17	U	0.17	0.17	ug/m3			04/02/17 07:38	2.5
cis-1,3-Dichloropropene	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5

Client Sample Results

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8

Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51
Sample Container: Summa Canister 6L

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.56**	**D**	0.094	0.094	ug/m3			04/02/17 07:38	2.5
trans-1,3-Dichloropropene	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5
1,1,2-Trichloroethane	0.14	U	0.14	0.14	ug/m3			04/02/17 07:38	2.5
Tetrachloroethene	0.17	U	0.17	0.17	ug/m3			04/02/17 07:38	2.5
Dibromochloromethane	0.21	U	0.21	0.21	ug/m3			04/02/17 07:38	2.5
1,2-Dibromoethane	0.19	U	0.19	0.19	ug/m3			04/02/17 07:38	2.5
Ethylbenzene	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5
o-Xylene	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5
Bromoform	0.26	U	0.26	0.26	ug/m3			04/02/17 07:38	2.5
1,1,2,2-Tetrachloroethane	0.17	U	0.17	0.17	ug/m3			04/02/17 07:38	2.5
4-Ethyltoluene	0.12	U	0.12	0.12	ug/m3			04/02/17 07:38	2.5
1,3,5-Trimethylbenzene	0.25	U	0.25	0.25	ug/m3			04/02/17 07:38	2.5
1,2-Dichloroethene, Total	0.099	U	0.099	0.099	ug/m3			04/02/17 07:38	2.5
m-Xylene & p-Xylene	0.22	U	0.22	0.22	ug/m3			04/02/17 07:38	2.5
Xylenes, Total	0.11	U	0.11	0.11	ug/m3			04/02/17 07:38	2.5

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 200-115376/5
Matrix: Air
Analysis Batch: 115376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Vinyl chloride	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
1,3-Butadiene	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Bromomethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Chloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Trichlorofluoromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,1-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
3-Chloropropene	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Methylene Chloride	0.20	U	0.20	0.20	ppb v/v			04/01/17 18:41	1
Methyl tert-butyl ether	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
trans-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
n-Hexane	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
1,1-Dichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
cis-1,2-Dichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Chloroform	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,1,1-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Cyclohexane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Carbon tetrachloride	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
2,2,4-Trimethylpentane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Benzene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,2-Dichloroethane	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
n-Heptane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Trichloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,2-Dichloropropane	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Bromodichloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
cis-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Toluene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
trans-1,3-Dichloropropene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,1,2-Trichloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Tetrachloroethene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Dibromochloromethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,2-Dibromoethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Ethylbenzene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
o-Xylene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
Bromoform	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
4-Ethyltoluene	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
1,3,5-Trimethylbenzene	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
1,2-Dichloroethene, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1
m-Xylene & p-Xylene	0.020	U	0.020	0.020	ppb v/v			04/01/17 18:41	1
Xylenes, Total	0.010	U	0.010	0.010	ppb v/v			04/01/17 18:41	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.049	U	0.049	0.049	ug/m3			04/01/17 18:41	1
Vinyl chloride	0.051	U	0.051	0.051	ug/m3			04/01/17 18:41	1
1,3-Butadiene	0.044	U	0.044	0.044	ug/m3			04/01/17 18:41	1
Bromomethane	0.078	U	0.078	0.078	ug/m3			04/01/17 18:41	1

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 200-115376/5
Matrix: Air
Analysis Batch: 115376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.053	U	0.053	0.053	ug/m3			04/01/17 18:41	1
Bromoethene(Vinyl Bromide)	0.087	U	0.087	0.087	ug/m3			04/01/17 18:41	1
Trichlorofluoromethane	0.056	U	0.056	0.056	ug/m3			04/01/17 18:41	1
1,1-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 18:41	1
3-Chloropropene	0.063	U	0.063	0.063	ug/m3			04/01/17 18:41	1
Methylene Chloride	0.69	U	0.69	0.69	ug/m3			04/01/17 18:41	1
Methyl tert-butyl ether	0.036	U	0.036	0.036	ug/m3			04/01/17 18:41	1
trans-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 18:41	1
n-Hexane	0.070	U	0.070	0.070	ug/m3			04/01/17 18:41	1
1,1-Dichloroethane	0.040	U	0.040	0.040	ug/m3			04/01/17 18:41	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.040	ug/m3			04/01/17 18:41	1
Chloroform	0.049	U	0.049	0.049	ug/m3			04/01/17 18:41	1
1,1,1-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 18:41	1
Cyclohexane	0.034	U	0.034	0.034	ug/m3			04/01/17 18:41	1
Carbon tetrachloride	0.063	U	0.063	0.063	ug/m3			04/01/17 18:41	1
2,2,4-Trimethylpentane	0.047	U	0.047	0.047	ug/m3			04/01/17 18:41	1
Benzene	0.032	U	0.032	0.032	ug/m3			04/01/17 18:41	1
1,2-Dichloroethane	0.081	U	0.081	0.081	ug/m3			04/01/17 18:41	1
n-Heptane	0.041	U	0.041	0.041	ug/m3			04/01/17 18:41	1
Trichloroethene	0.054	U	0.054	0.054	ug/m3			04/01/17 18:41	1
1,2-Dichloropropane	0.092	U	0.092	0.092	ug/m3			04/01/17 18:41	1
Bromodichloromethane	0.067	U	0.067	0.067	ug/m3			04/01/17 18:41	1
cis-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 18:41	1
Toluene	0.038	U	0.038	0.038	ug/m3			04/01/17 18:41	1
trans-1,3-Dichloropropene	0.045	U	0.045	0.045	ug/m3			04/01/17 18:41	1
1,1,2-Trichloroethane	0.055	U	0.055	0.055	ug/m3			04/01/17 18:41	1
Tetrachloroethene	0.068	U	0.068	0.068	ug/m3			04/01/17 18:41	1
Dibromochloromethane	0.085	U	0.085	0.085	ug/m3			04/01/17 18:41	1
1,2-Dibromoethane	0.077	U	0.077	0.077	ug/m3			04/01/17 18:41	1
Ethylbenzene	0.043	U	0.043	0.043	ug/m3			04/01/17 18:41	1
o-Xylene	0.043	U	0.043	0.043	ug/m3			04/01/17 18:41	1
Bromoform	0.10	U	0.10	0.10	ug/m3			04/01/17 18:41	1
1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.069	ug/m3			04/01/17 18:41	1
4-Ethyltoluene	0.049	U	0.049	0.049	ug/m3			04/01/17 18:41	1
1,3,5-Trimethylbenzene	0.098	U	0.098	0.098	ug/m3			04/01/17 18:41	1
1,2-Dichloroethene, Total	0.040	U	0.040	0.040	ug/m3			04/01/17 18:41	1
m-Xylene & p-Xylene	0.087	U	0.087	0.087	ug/m3			04/01/17 18:41	1
Xylenes, Total	0.043	U	0.043	0.043	ug/m3			04/01/17 18:41	1

Lab Sample ID: LCS 200-115376/4
Matrix: Air
Analysis Batch: 115376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.201	0.246		ppb v/v		122	68 - 128
Vinyl chloride	0.201	0.223		ppb v/v		111	62 - 125
1,3-Butadiene	0.201	0.193		ppb v/v		96	59 - 125

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 200-115376/4
Matrix: Air
Analysis Batch: 115376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.201	0.223		ppb v/v		111	68 - 128
Chloroethane	0.201	0.190		ppb v/v		95	65 - 125
Bromoethene(Vinyl Bromide)	0.201	0.233		ppb v/v		116	67 - 127
Trichlorofluoromethane	0.201	0.233		ppb v/v		116	67 - 127
1,1-Dichloroethene	0.201	0.190		ppb v/v		95	67 - 127
3-Chloropropene	0.201	0.118		ppb v/v		59	53 - 133
Methylene Chloride	0.201	0.240		ppb v/v		119	62 - 122
Methyl tert-butyl ether	0.201	0.180		ppb v/v		90	67 - 127
trans-1,2-Dichloroethene	0.201	0.209		ppb v/v		104	72 - 132
n-Hexane	0.201	0.184		ppb v/v		92	71 - 131
1,1-Dichloroethane	0.201	0.202		ppb v/v		101	66 - 126
cis-1,2-Dichloroethene	0.201	0.167		ppb v/v		83	67 - 127
Chloroform	0.201	0.193		ppb v/v		96	69 - 129
1,1,1-Trichloroethane	0.201	0.192		ppb v/v		96	70 - 130
Cyclohexane	0.201	0.163		ppb v/v		81	69 - 129
Carbon tetrachloride	0.201	0.195		ppb v/v		97	62 - 143
2,2,4-Trimethylpentane	0.201	0.153		ppb v/v		76	67 - 127
Benzene	0.201	0.156		ppb v/v		78	67 - 127
1,2-Dichloroethane	0.201	0.180		ppb v/v		90	67 - 132
n-Heptane	0.201	0.139		ppb v/v		69	62 - 130
Trichloroethene	0.201	0.182		ppb v/v		91	68 - 128
1,2-Dichloropropane	0.201	0.165		ppb v/v		82	67 - 127
Bromodichloromethane	0.201	0.165		ppb v/v		82	69 - 129
cis-1,3-Dichloropropene	0.201	0.161		ppb v/v		80	70 - 130
Toluene	0.201	0.151		ppb v/v		75	67 - 127
trans-1,3-Dichloropropene	0.201	0.166		ppb v/v		83	69 - 129
1,1,2-Trichloroethane	0.201	0.187		ppb v/v		93	69 - 129
Tetrachloroethene	0.201	0.174		ppb v/v		87	70 - 130
Dibromochloromethane	0.201	0.142		ppb v/v		71	66 - 130
1,2-Dibromoethane	0.201	0.162		ppb v/v		81	70 - 130
Ethylbenzene	0.201	0.164		ppb v/v		82	68 - 128
o-Xylene	0.201	0.154		ppb v/v		77	67 - 127
Bromoform	0.201	0.109		ppb v/v		54	34 - 170
1,1,2,2-Tetrachloroethane	0.201	0.173		ppb v/v		86	69 - 129
4-Ethyltoluene	0.201	0.174		ppb v/v		87	69 - 129
1,3,5-Trimethylbenzene	0.201	0.175		ppb v/v		87	65 - 125
m-Xylene & p-Xylene	0.401	0.337		ppb v/v		84	68 - 128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.99	1.22		ug/m3		122	68 - 128
Vinyl chloride	0.51	0.571		ug/m3		111	62 - 125
1,3-Butadiene	0.44	0.426		ug/m3		96	59 - 125
Bromomethane	0.78	0.865		ug/m3		111	68 - 128
Chloroethane	0.53	0.502		ug/m3		95	65 - 125
Bromoethene(Vinyl Bromide)	0.88	1.02		ug/m3		116	67 - 127
Trichlorofluoromethane	1.1	1.31		ug/m3		116	67 - 127
1,1-Dichloroethene	0.80	0.752		ug/m3		95	67 - 127

Method: TO15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 200-115376/4
Matrix: Air
Analysis Batch: 115376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Chloropropene	0.63	0.371		ug/m3		59	53 - 133
Methylene Chloride	0.70	0.833		ug/m3		119	62 - 122
Methyl tert-butyl ether	0.72	0.649		ug/m3		90	67 - 127
trans-1,2-Dichloroethene	0.80	0.830		ug/m3		104	72 - 132
n-Hexane	0.71	0.648		ug/m3		92	71 - 131
1,1-Dichloroethane	0.81	0.818		ug/m3		101	66 - 126
cis-1,2-Dichloroethene	0.80	0.660		ug/m3		83	67 - 127
Chloroform	0.98	0.943		ug/m3		96	69 - 129
1,1,1-Trichloroethane	1.1	1.05		ug/m3		96	70 - 130
Cyclohexane	0.69	0.562		ug/m3		81	69 - 129
Carbon tetrachloride	1.3	1.23		ug/m3		97	62 - 143
2,2,4-Trimethylpentane	0.94	0.717		ug/m3		76	67 - 127
Benzene	0.64	0.500		ug/m3		78	67 - 127
1,2-Dichloroethane	0.81	0.728		ug/m3		90	67 - 132
n-Heptane	0.82	0.569		ug/m3		69	62 - 130
Trichloroethene	1.1	0.980		ug/m3		91	68 - 128
1,2-Dichloropropane	0.93	0.763		ug/m3		82	67 - 127
Bromodichloromethane	1.3	1.11		ug/m3		82	69 - 129
cis-1,3-Dichloropropene	0.91	0.733		ug/m3		80	70 - 130
Toluene	0.76	0.569		ug/m3		75	67 - 127
trans-1,3-Dichloropropene	0.91	0.754		ug/m3		83	69 - 129
1,1,2-Trichloroethane	1.1	1.02		ug/m3		93	69 - 129
Tetrachloroethene	1.4	1.18		ug/m3		87	70 - 130
Dibromochloromethane	1.7	1.21		ug/m3		71	66 - 130
1,2-Dibromoethane	1.5	1.24		ug/m3		81	70 - 130
Ethylbenzene	0.87	0.712		ug/m3		82	68 - 128
o-Xylene	0.87	0.667		ug/m3		77	67 - 127
Bromoform	2.1	1.12		ug/m3		54	34 - 170
1,1,2,2-Tetrachloroethane	1.4	1.19		ug/m3		86	69 - 129
4-Ethyltoluene	0.99	0.854		ug/m3		87	69 - 129
1,3,5-Trimethylbenzene	0.99	0.860		ug/m3		87	65 - 125
m-Xylene & p-Xylene	1.7	1.47		ug/m3		84	68 - 128

QC Association Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Air - GC/MS VOA

Analysis Batch: 115376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-38008-1	IAS-1	Total/NA	Air	TO15 LL	
200-38008-2	IAS-2	Total/NA	Air	TO15 LL	
200-38008-2 - DL	IAS-2	Total/NA	Air	TO15 LL	
200-38008-3	IAS-3	Total/NA	Air	TO15 LL	
200-38008-3 - DL	IAS-3	Total/NA	Air	TO15 LL	
200-38008-4	IAS-4	Total/NA	Air	TO15 LL	
200-38008-5	IAS-5	Total/NA	Air	TO15 LL	
200-38008-6	IAS-6	Total/NA	Air	TO15 LL	
200-38008-7	IAS-7	Total/NA	Air	TO15 LL	
200-38008-7 - DL	IAS-7	Total/NA	Air	TO15 LL	
200-38008-8	IAS-8	Total/NA	Air	TO15 LL	
200-38008-8 - DL	IAS-8	Total/NA	Air	TO15 LL	
MB 200-115376/5	Method Blank	Total/NA	Air	TO15 LL	
LCS 200-115376/4	Lab Control Sample	Total/NA	Air	TO15 LL	

Lab Chronicle

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-1 — Lab Sample ID: 200-38008-1

Date Collected: 03/31/17 07:00 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/01/17 19:43	WRD	TAL BUR

Client Sample ID: IAS-2 — Lab Sample ID: 200-38008-2

Date Collected: 03/31/17 07:14 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/02/17 03:39	WRD	TAL BUR
Total/NA	Analysis	TO15 LL	DL	4	115376	04/02/17 08:37	WRD	TAL BUR

Client Sample ID: IAS-3 — Lab Sample ID: 200-38008-3

Date Collected: 03/31/17 06:13 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/02/17 04:39	WRD	TAL BUR
Total/NA	Analysis	TO15 LL	DL	7.94	115376	04/02/17 09:36	WRD	TAL BUR

Client Sample ID: IAS-4 — Lab Sample ID: 200-38008-4

Date Collected: 03/31/17 06:14 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/01/17 20:42	WRD	TAL BUR

Client Sample ID: IAS-5 — Lab Sample ID: 200-38008-5

Date Collected: 03/31/17 06:12 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/01/17 21:42	WRD	TAL BUR

Client Sample ID: IAS-6 — Lab Sample ID: 200-38008-6

Date Collected: 03/31/17 05:58 — **Matrix: Air**
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/01/17 23:41	WRD	TAL BUR

Lab Chronicle

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Client Sample ID: IAS-7

Lab Sample ID: 200-38008-7
Date Collected: 03/31/17 06:07
Matrix: Air
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/02/17 00:41	WRD	TAL BUR
Total/NA	Analysis	TO15 LL	DL	2.5	115376	04/02/17 06:38	WRD	TAL BUR

Client Sample ID: IAS-8

Lab Sample ID: 200-38008-8
Date Collected: 03/31/17 06:08
Matrix: Air
Date Received: 03/31/17 09:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO15 LL		1	115376	04/02/17 01:40	WRD	TAL BUR
Total/NA	Analysis	TO15 LL	DL	2.5	115376	04/02/17 07:38	WRD	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: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

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

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

Method Summary

Client: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Method	Method Description	Protocol	Laboratory
TO15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	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: Waite-Heindel Environmental Management
Project/Site: Calderwood

TestAmerica Job ID: 200-38008-1
SDG: 200-38008-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-38008-1	IAS-1	Air	03/31/17 07:00	03/31/17 09:51
200-38008-2	IAS-2	Air	03/31/17 07:14	03/31/17 09:51
200-38008-3	IAS-3	Air	03/31/17 06:13	03/31/17 09:51
200-38008-4	IAS-4	Air	03/31/17 06:14	03/31/17 09:51
200-38008-5	IAS-5	Air	03/31/17 06:12	03/31/17 09:51
200-38008-6	IAS-6	Air	03/31/17 05:58	03/31/17 09:51
200-38008-7	IAS-7	Air	03/31/17 06:07	03/31/17 09:51
200-38008-8	IAS-8	Air	03/31/17 06:08	03/31/17 09:51

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
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FAX: (802) 860-9440
Project Name: Calderwood
Site:
PO #

Project Manager: Miles Waite
Phone: (802) 860-9400 x101
Email: MWaite@waiteenv.com
Site Contact: Miles Waite
TA Contact: Kathryn Kelly

Analysis Turnaround Time
Standard (Specify)
Rush (Specify) 24 hr TO-15

Samples Collected By: Chris Page, Chandler Noyes

1 of 2 COCs

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)
IAS-1	3/30-3/31/17	2003	0700	-28.8	-6.8	4180	2614	X							X				
IAS-2		2008	0714	-28.8	-6.2	3723	3129												
IAS-3		2011	0613	-28.8	-5.0	3950	4875												
IAS-4		2016	0614	-28.8	0.0	4997	3073												
IAS-5		2030	0612	-28.7	-6.0	4246	3262												
IAS-6		2032	0558	-28.7	0.0	3954	2678												

Temperature (Fahrenheit)

	Interior	Ambient
Start	74°F	30°F
Stop	74°F	32°F

Pressure (inches of Hg)

	Interior	Ambient
Start	29.53	
Stop	29.50	

200-38008 Chain of Custody

Special Instructions/QC Requirements & Comments:
NEED results by Monday 4/3 — Governor's orders

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by:	Date/Time: 3/31/17 @ 0951	Received by: 0951 3/31/17
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

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: Miles Waite	Samples Collected By: Chris Page, Chandler Noyes	2 of 2 COCs
Company: Waite-Heindel	Phone: (802) 860-9400 x101		
Address: 7 Kilburn St, Suite 301	Email: MWaite@WaiteenV.com		
City/State/Zip Burlington, VT 05401			
Phone: (802) 860-9400	Site Contact: Miles Waite		
FAX: (802) 860-9440	TA Contact: Kathryn Kelly		
Project Name: Calderwood	**Analysis Turnaround Time**		
Site:	Standard (Specify)		
PO #	Rush (Specify) 24 hr TO-15		

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)
IAS-7	3/30-3/31/17	2037	0607	-28.7	-5.6	3933	3236	X							X				
IAS-8	↓	2035	0608	-28.7	-4.6	3719	4183	↓							↓				

Temperature (Fahrenheit)	Interior	Ambient
Start	74°F	30°F
Stop	74°F	32°F

Pressure (inches of Hg)	Interior	Ambient
Start	29.53	
Stop	29.50	

Special Instructions/QC Requirements & Comments:

NEED results by Monday 4/3 — Governor's orders

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by:	Date/Time: 3/31/17 @ 0951	Received by: 3/31/17 0951
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

Login Sample Receipt Checklist

Client: Waite-Heindel Environmental Management

Job Number: 200-38008-1
SDG Number: 200-38008-1

Login Number: 38008
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	Not present
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	CP & CN
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.

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Oven 3/4	32	3/16/2017	EJE	1L	6L	Batch	Individual

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adj. Initial[2] ("Hg)	Diff.[3]	Initial Reading Gauge:	Initial Reading Date:	Initial Reading Time:	Initial Reading Tech:	Initial Reading BP:	Initial Reading Temp:	Final Reading Gauge:	Final Reading Date:	Final Reading Time:	Final Reading Tech:	Final Reading BP:	Final Reading Temp:
1	2508	-29.7	-29.8	-29.8	Ø	G22	3-28-17	13:00	GE	29.6	22	G22	3/30/17	1510	—	29.7	22
2	2678		-29.8		Ø												
3	5903		-29.8		Ø												
4	4240		-29.8		Ø												
5	3497		-29.8		Ø												
6	4183		-29.8		Ø												
7	3073		-29.8		Ø												
8	3129		-29.8		Ø												
9	3236		-29.8		Ø												
10	4875		-29.8		Ø												
11	3262		-29.8		Ø												
12	2614		-29.8		Ø												

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.
[2] Adjusted Initial Pressure = Initial Pressure + (Initial BP - Final BP).
[3] Difference = Final Pressure - Adjusted Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.5. (2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister **PM Authorization Signature:** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID		Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Revi
2508	2508	3/24/17	24417	WKO	XXXXXD					3/27/24	WKO
2678	2678				XXXXXD						
5903	5903				XXXXXD						
4240	4240				XXXXXD						
3497	3497				XXXXXD						
4183	4183				XXXXXD						
3073	3073				XXXXXD						
3129	3129				XXXXXD						
3236	3236				XXXXXD						
4875	4875				XXXXXD						
3262	3262				XXXXXD						
2614	2614				XXXXXD						

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).
Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).
Inventory Level Limited: Canisters may only be used for certain projects.

Comments:
0.01 LL INDV.

FAI023:04.13.16:9
TestAmerica Burlington

200-37774-A-1
2508
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/16/2017 12:00 AM 200-1022733

Loc: 200
37774
#1
A

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 2508
Lab Sample ID: 200-37774-1
Matrix: Air
Lab File ID: 24417-005.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 12:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 2508
Lab Sample ID: 200-37774-1
Matrix: Air
Lab File ID: 24417-005.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 12:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-005.D
Lims ID: 200-37774-A-1
Client ID: 2508
Sample Type: Client
Inject. Date: 24-Mar-2017 12:37:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-005
Misc. Info.: 37774-1
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:19:19 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:19:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.176	7.181	-0.005	72	3374	0.0478	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.749	9.744	0.005	66	402948	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1635168	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	86	1630576	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

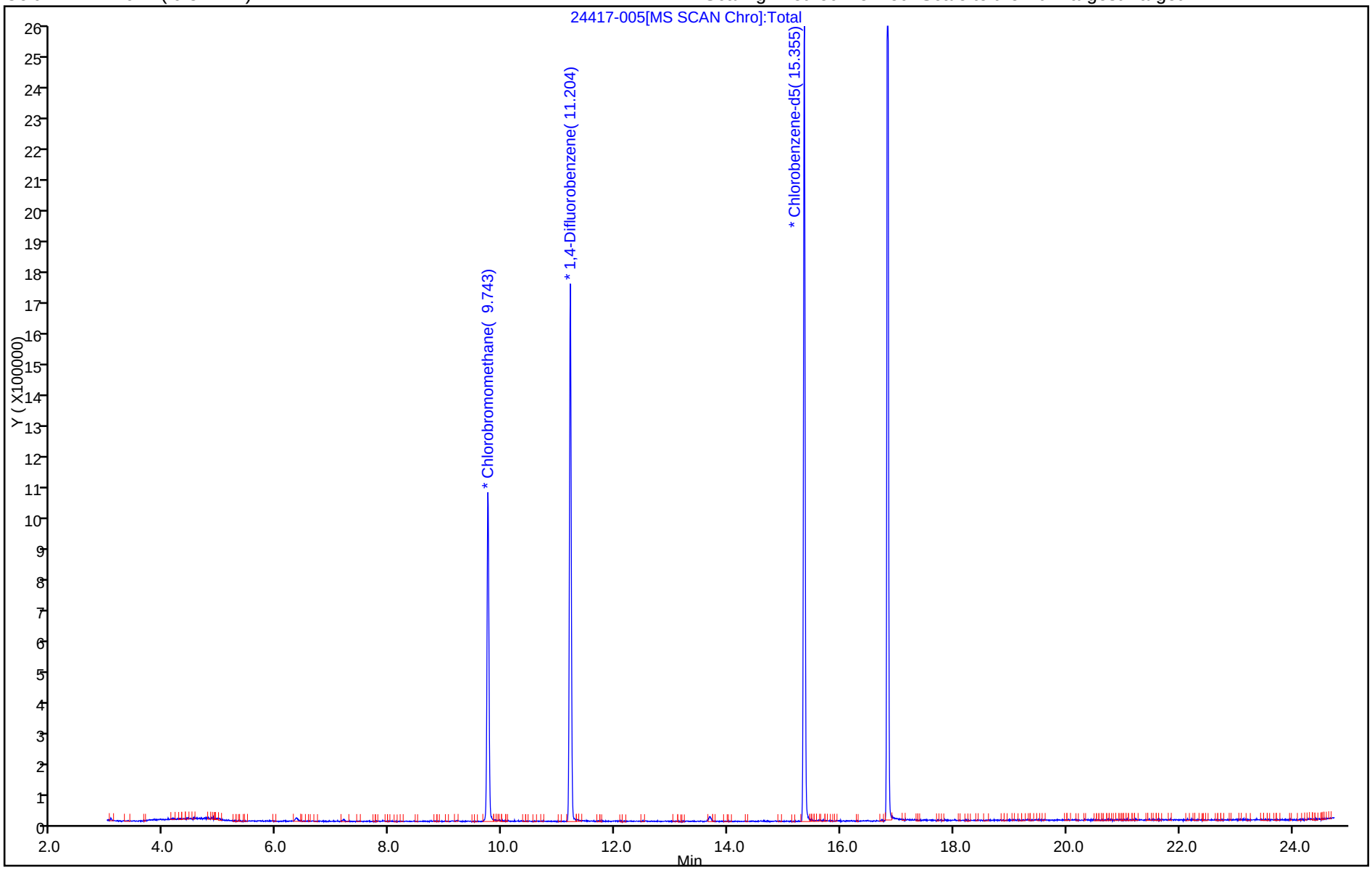
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:19:20 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-005.D				
Injection Date:	24-Mar-2017 12:37:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-1	Lab Sample ID:	200-37774-1	Worklist Smp#:	5
Client ID:	2508				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 2678 | Lab Sample ID: 200-37774-2

Matrix: Air | Lab File ID: 24417-006.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/24/2017 13:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 2678
Lab Sample ID: 200-37774-2
Matrix: Air
Lab File ID: 24417-006.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 13:34
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-006.D
Lims ID: 200-37774-A-2
Client ID: 2678
Sample Type: Client
Inject. Date: 24-Mar-2017 13:34:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-006
Misc. Info.: 37774-2
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:19:57 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:19:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.192	7.181	0.011	61	3011	0.0476	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.749	9.744	0.005	67	360808	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.209	11.204	0.005	94	1491782	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	87	1360786	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

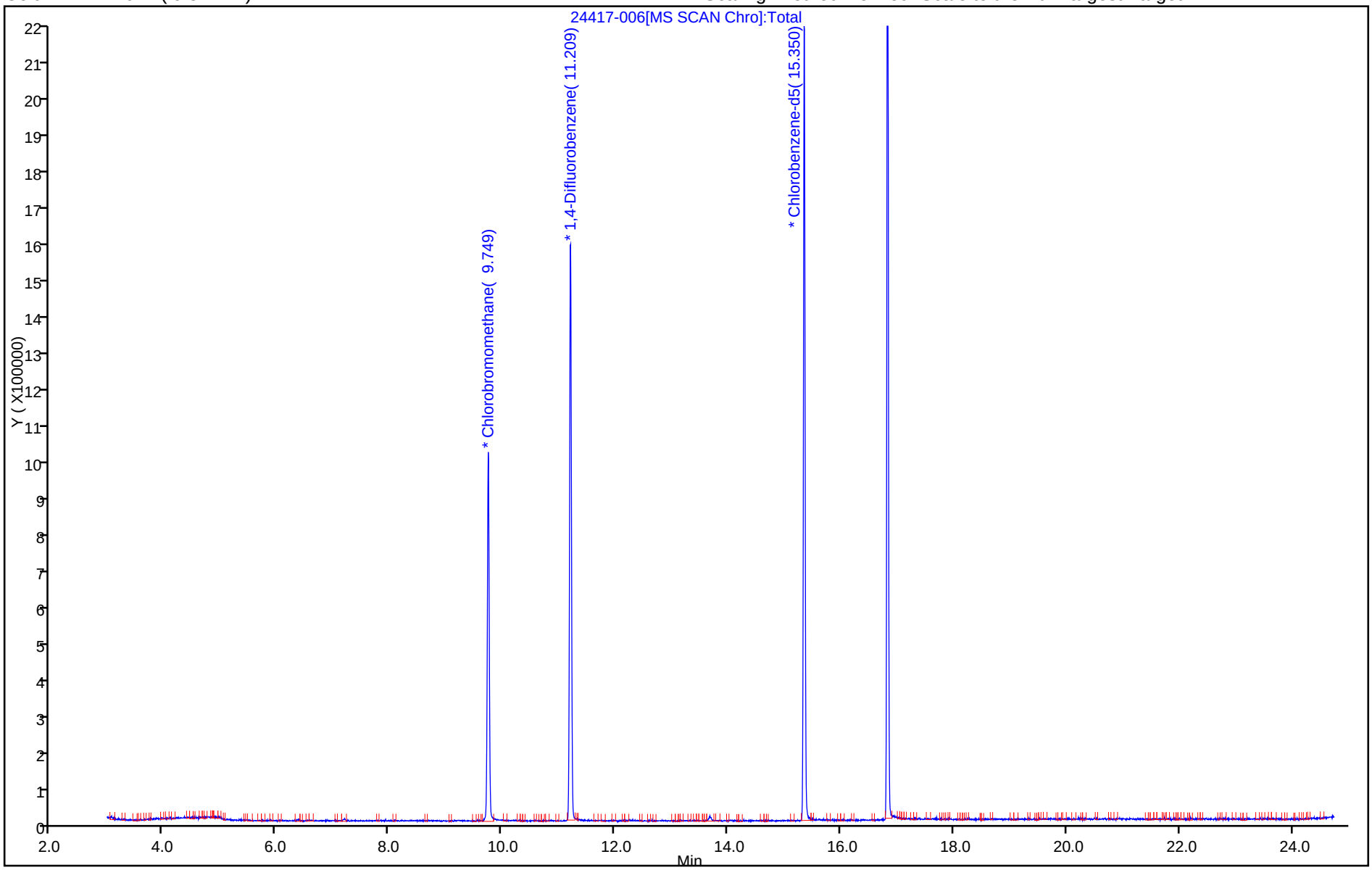
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:19:57 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-006.D				
Injection Date:	24-Mar-2017 13:34:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-2	Lab Sample ID:	200-37774-2	Worklist Smp#:	6
Client ID:	2678				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 5903 | Lab Sample ID: 200-37774-3

Matrix: Air | Lab File ID: 24417-007.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/24/2017 14:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 5903
Lab Sample ID: 200-37774-3
Matrix: Air
Lab File ID: 24417-007.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 14:32
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-007.D
Lims ID: 200-37774-A-3
Client ID: 5903
Sample Type: Client
Inject. Date: 24-Mar-2017 14:32:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-007
Misc. Info.: 37774-3
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:20:37 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:20:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.197	7.181	0.016	59	3521	0.0488	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.743	9.744	-0.001	66	411208	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	93	1679786	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	86	1544210	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

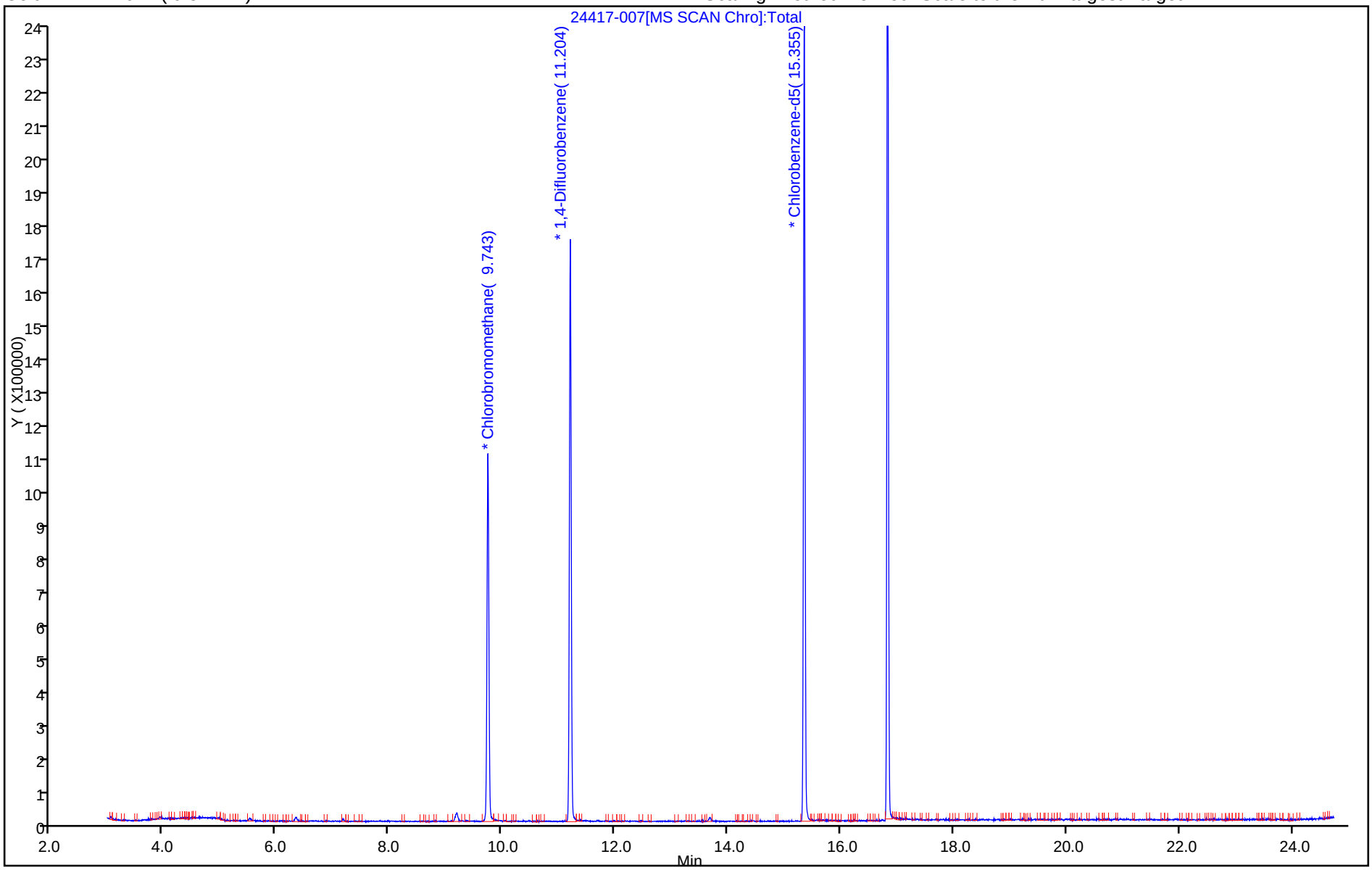
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:20:37 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-007.D				
Injection Date:	24-Mar-2017 14:32:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-3	Lab Sample ID:	200-37774-3	Worklist Smp#:	7
Client ID:	5903				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 4240 | Lab Sample ID: 200-37774-4

Matrix: Air | Lab File ID: 24417-010.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/24/2017 17:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 4240
Lab Sample ID: 200-37774-4
Matrix: Air
Lab File ID: 24417-010.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 17:25
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-010.D
Lims ID: 200-37774-A-4
Client ID: 4240
Sample Type: Client
Inject. Date: 24-Mar-2017 17:25:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-010
Misc. Info.: 37774-4
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:21:42 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:21:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.186	7.181	0.005	57	3326	0.0458	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.744	9.744	0.000	66	414264	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	93	1753949	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	86	1542113	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

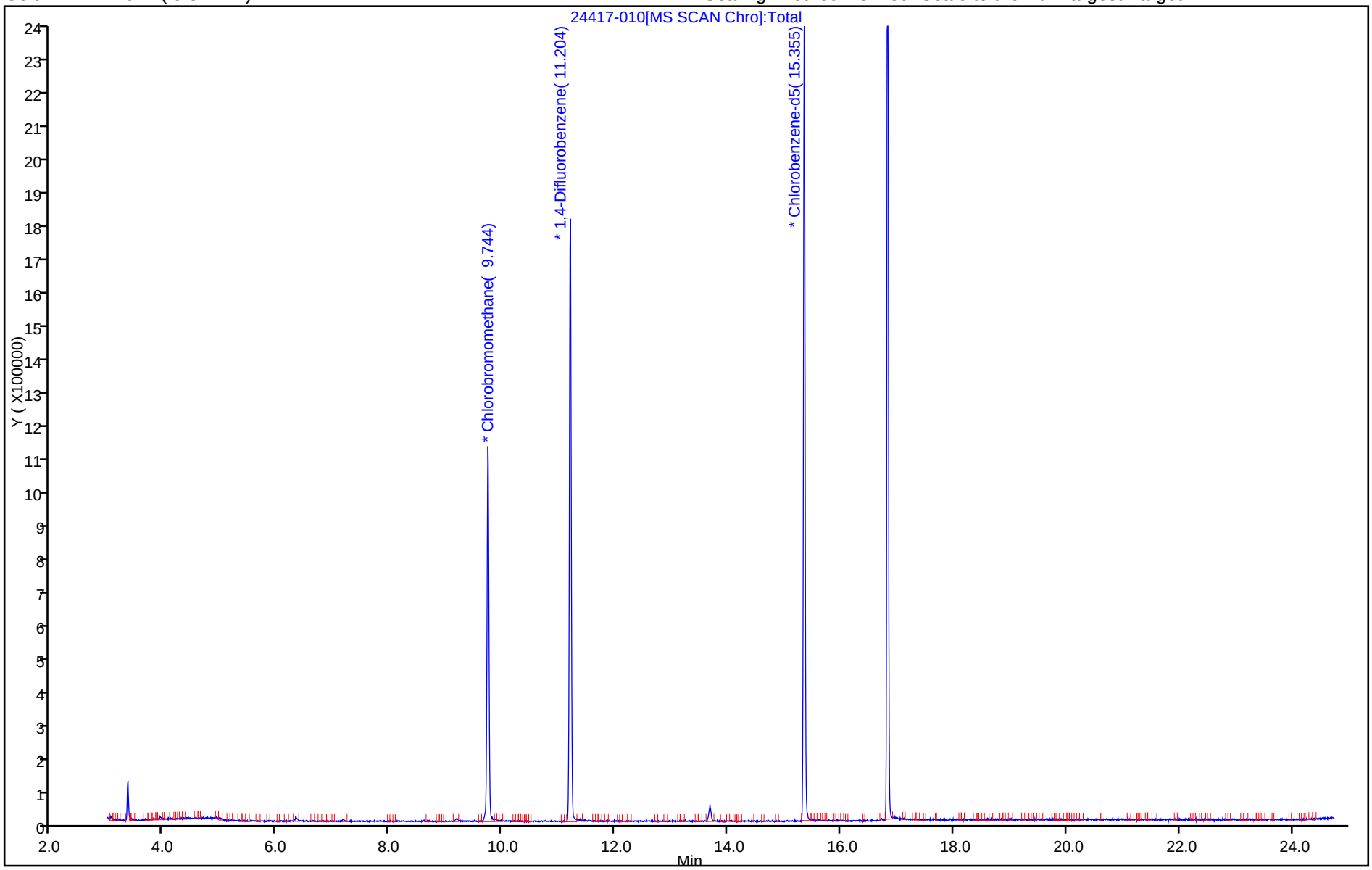
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:21:43 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-010.D				
Injection Date:	24-Mar-2017 17:25:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-4	Lab Sample ID:	200-37774-4	Worklist Smp#:	10
Client ID:	4240				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 3497
Lab Sample ID: 200-37774-5
Matrix: Air
Lab File ID: 24417-011.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 18:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 3497
Lab Sample ID: 200-37774-5
Matrix: Air
Lab File ID: 24417-011.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 18:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-011.D
Lims ID: 200-37774-A-5
Client ID: 3497
Sample Type: Client
Inject. Date: 24-Mar-2017 18:24:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-011
Misc. Info.: 37774-5
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:22:17 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:22:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.192	7.181	0.011	66	3758	0.0490	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.749	9.744	0.005	65	437218	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1901795	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.350	15.350	0.000	87	1742620	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

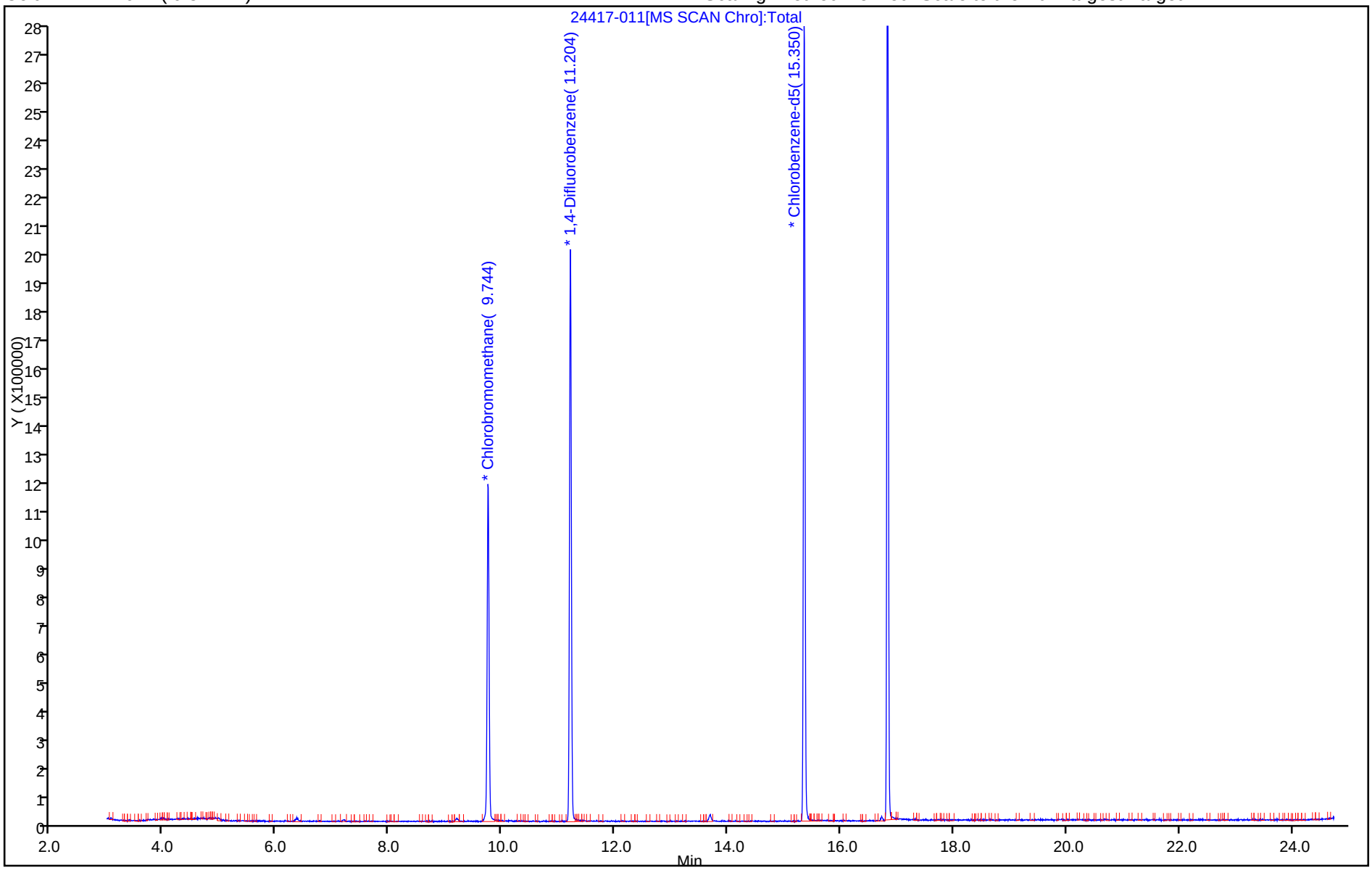
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:22:17 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-011.D				
Injection Date:	24-Mar-2017 18:24:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-5	Lab Sample ID:	200-37774-5	Worklist Smp#:	11
Client ID:	3497				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 4183 | Lab Sample ID: 200-37774-6

Matrix: Air | Lab File ID: 24417-014.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/24/2017 21:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 4183
Lab Sample ID: 200-37774-6
Matrix: Air
Lab File ID: 24417-014.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 21:17
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-014.D
Lims ID: 200-37774-A-6
Client ID: 4183
Sample Type: Client
Inject. Date: 24-Mar-2017 21:17:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-014
Misc. Info.: 37774-6
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:25:53 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:25:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.186	7.181	0.005	65	2694	0.0491	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.749	9.744	0.005	67	312747	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.209	11.204	0.005	94	1203928	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	88	1142706	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

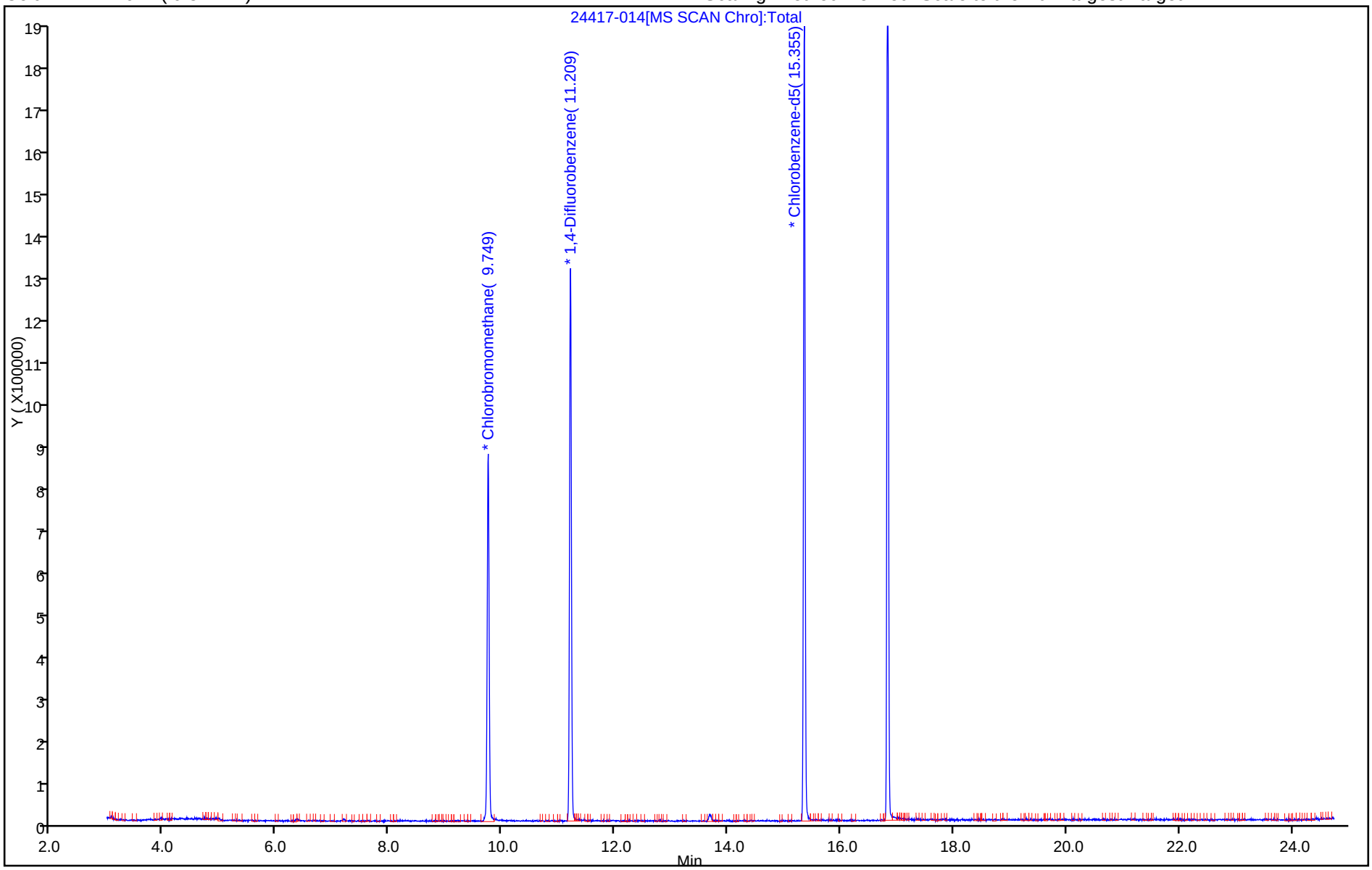
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:25:53 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-014.D				
Injection Date:	24-Mar-2017 21:17:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-6	Lab Sample ID:	200-37774-6	Worklist Smp#:	14
Client ID:	4183				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 3073 | Lab Sample ID: 200-37774-7

Matrix: Air | Lab File ID: 24417-015.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/24/2017 22:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 3073
Lab Sample ID: 200-37774-7
Matrix: Air
Lab File ID: 24417-015.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/24/2017 22:16
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-015.D
Lims ID: 200-37774-A-7
Client ID: 3073
Sample Type: Client
Inject. Date: 24-Mar-2017 22:16:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-015
Misc. Info.: 37774-7
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:26:27 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:26:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.181	7.181	0.000	44	3473	0.0410	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.743	9.744	-0.001	67	482522	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.209	11.204	0.005	94	2117712	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	87	1840451	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

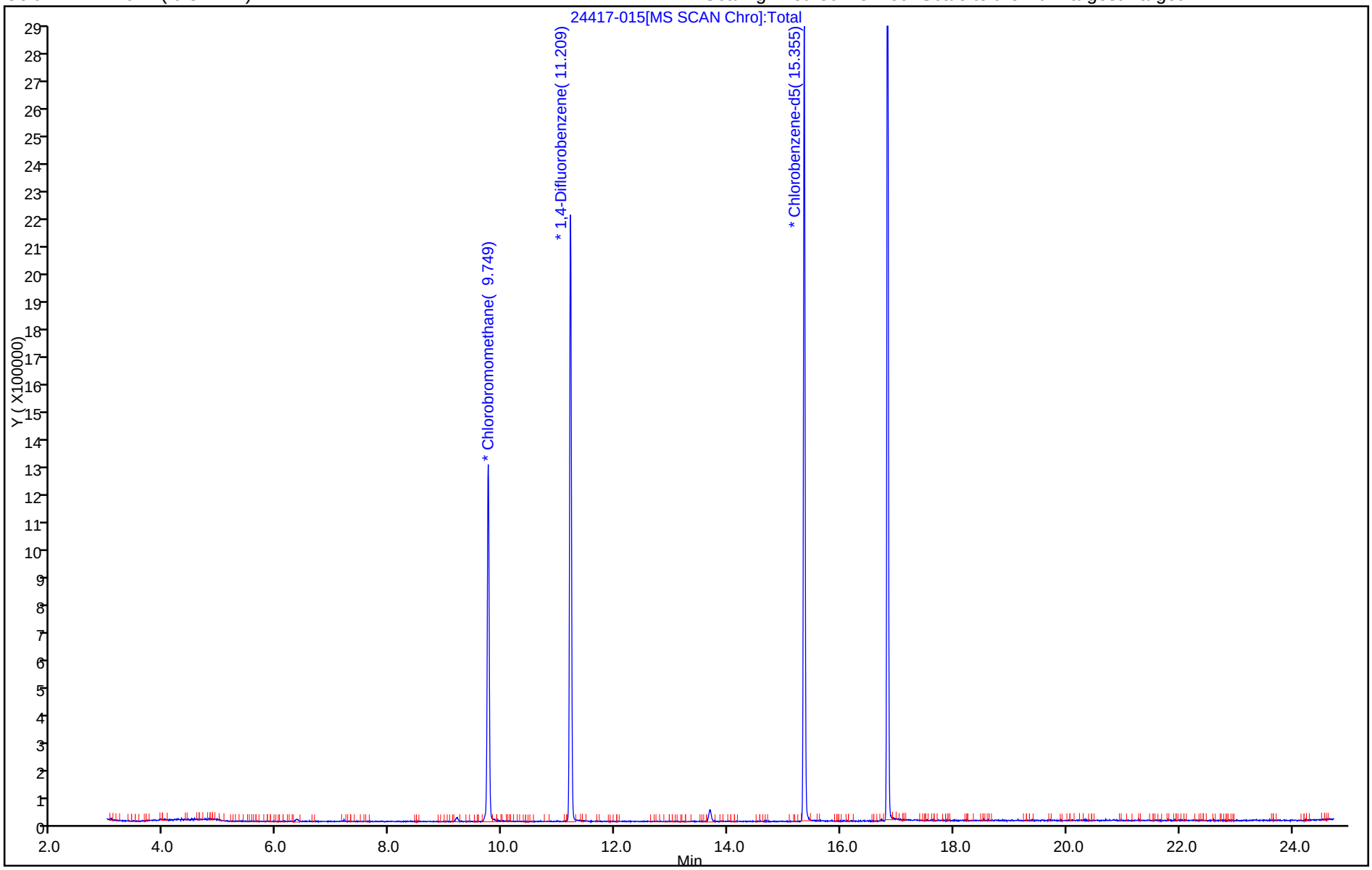
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:26:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-015.D				
Injection Date:	24-Mar-2017 22:16:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-7	Lab Sample ID:	200-37774-7	Worklist Smp#:	15
Client ID:	3073				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 3129 | Lab Sample ID: 200-37774-8

Matrix: Air | Lab File ID: 24417-019.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/25/2017 02:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 3129
Lab Sample ID: 200-37774-8
Matrix: Air
Lab File ID: 24417-019.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/25/2017 02:09
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-019.D
Lims ID: 200-37774-A-8
Client ID: 3129
Sample Type: Client
Inject. Date: 25-Mar-2017 02:09:30 ALS Bottle#: 4 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-019
Misc. Info.: 37774-8
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:29:45 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:29:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.181	7.181	0.000	49	3269	0.0500	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.743	9.744	-0.001	66	372954	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1511887	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.350	15.350	0.000	87	1434443	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

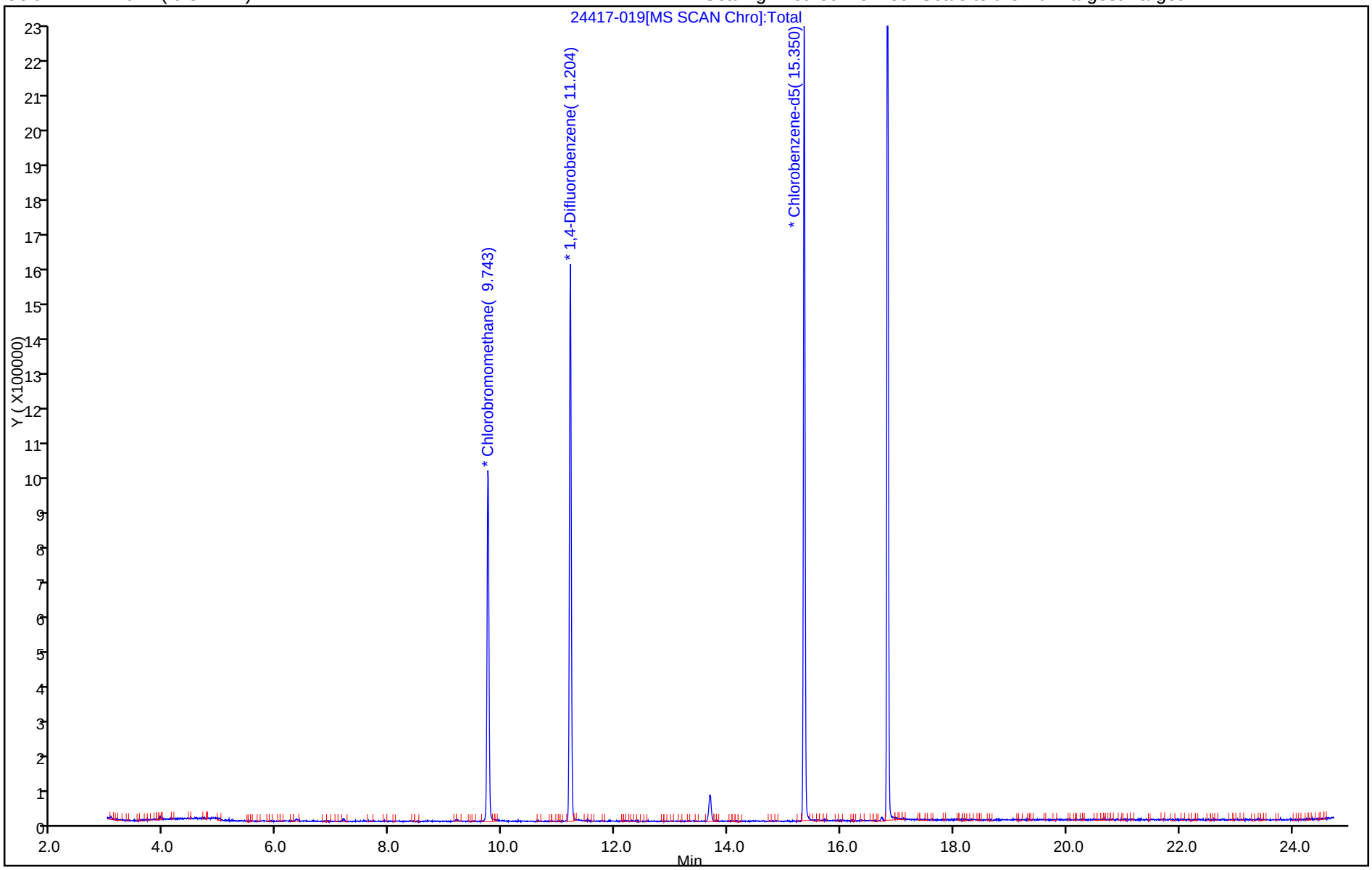
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:29:46 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-019.D				
Injection Date:	25-Mar-2017 02:09:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-8	Lab Sample ID:	200-37774-8	Worklist Smp#:	19
Client ID:	3129				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 3236 | Lab Sample ID: 200-37774-9

Matrix: Air | Lab File ID: 24417-020.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/25/2017 03:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 3236
Lab Sample ID: 200-37774-9
Matrix: Air
Lab File ID: 24417-020.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/25/2017 03:08
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-020.D
Lims ID: 200-37774-A-9
Client ID: 3236
Sample Type: Client
Inject. Date: 25-Mar-2017 03:08:30 ALS Bottle#: 5 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-020
Misc. Info.: 37774-9
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:30:22 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:30:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.170	7.181	-0.011	68	3653	0.0556	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.743	9.744	-0.001	65	374478	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1548112	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.350	15.350	0.000	87	1439284	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

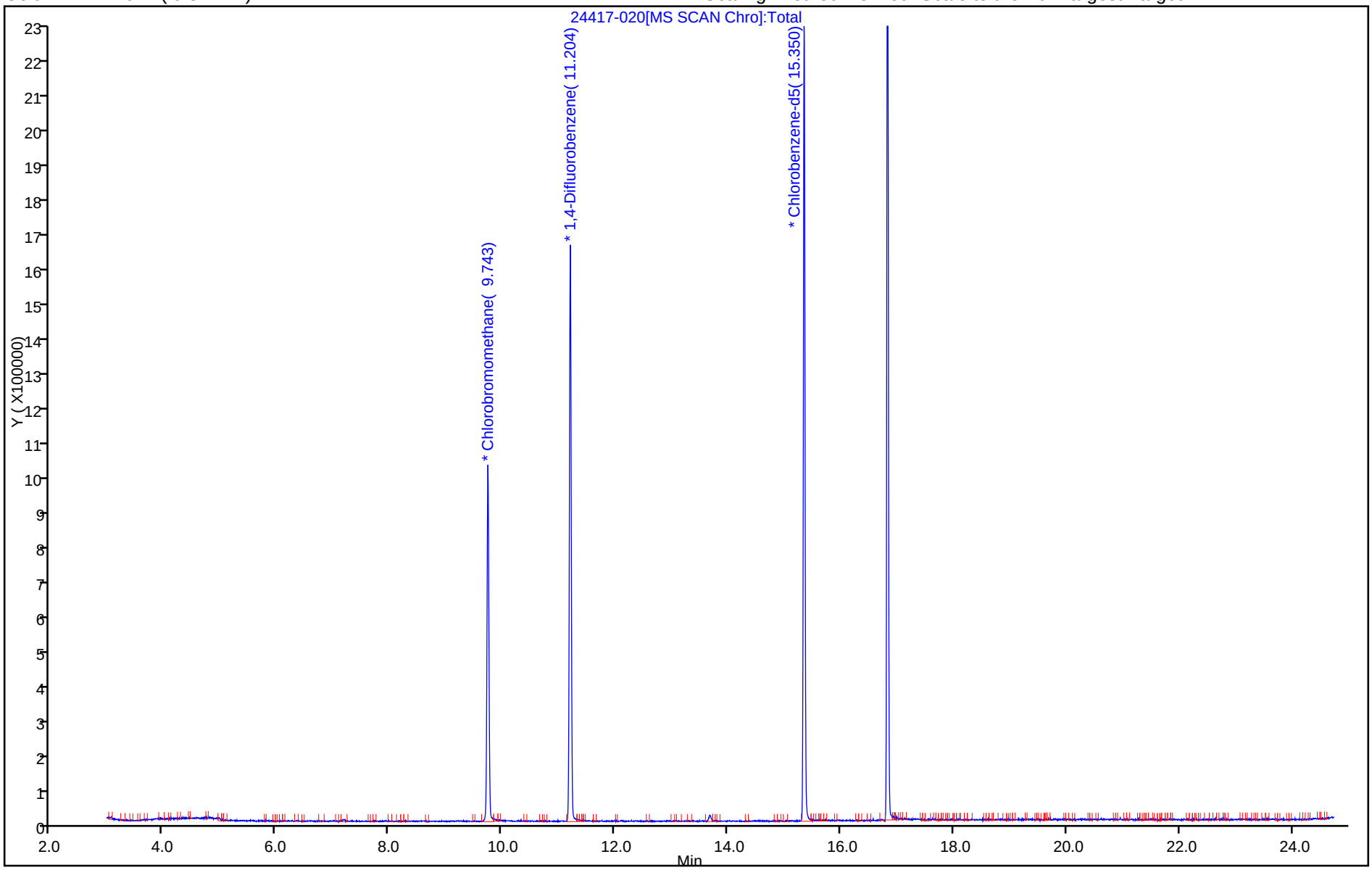
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:30:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-020.D				
Injection Date:	25-Mar-2017 03:08:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-9	Lab Sample ID:	200-37774-9	Worklist Smp#:	20
Client ID:	3236				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 4875 | Lab Sample ID: 200-37774-10

Matrix: Air | Lab File ID: 24417-023.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/25/2017 06:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 4875
Lab Sample ID: 200-37774-10
Matrix: Air
Lab File ID: 24417-023.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/25/2017 06:01
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-023.D
Lims ID: 200-37774-A-10
Client ID: 4875
Sample Type: Client
Inject. Date: 25-Mar-2017 06:01:30 ALS Bottle#: 8 Worklist Smp#: 23
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-023
Misc. Info.: 37774-10
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:34:25 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:34:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.208	7.181	0.027	73	3775	0.0540	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.754	9.744	0.010	66	398841	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.215	11.204	0.011	94	1661067	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.355	15.350	0.005	87	1625614	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

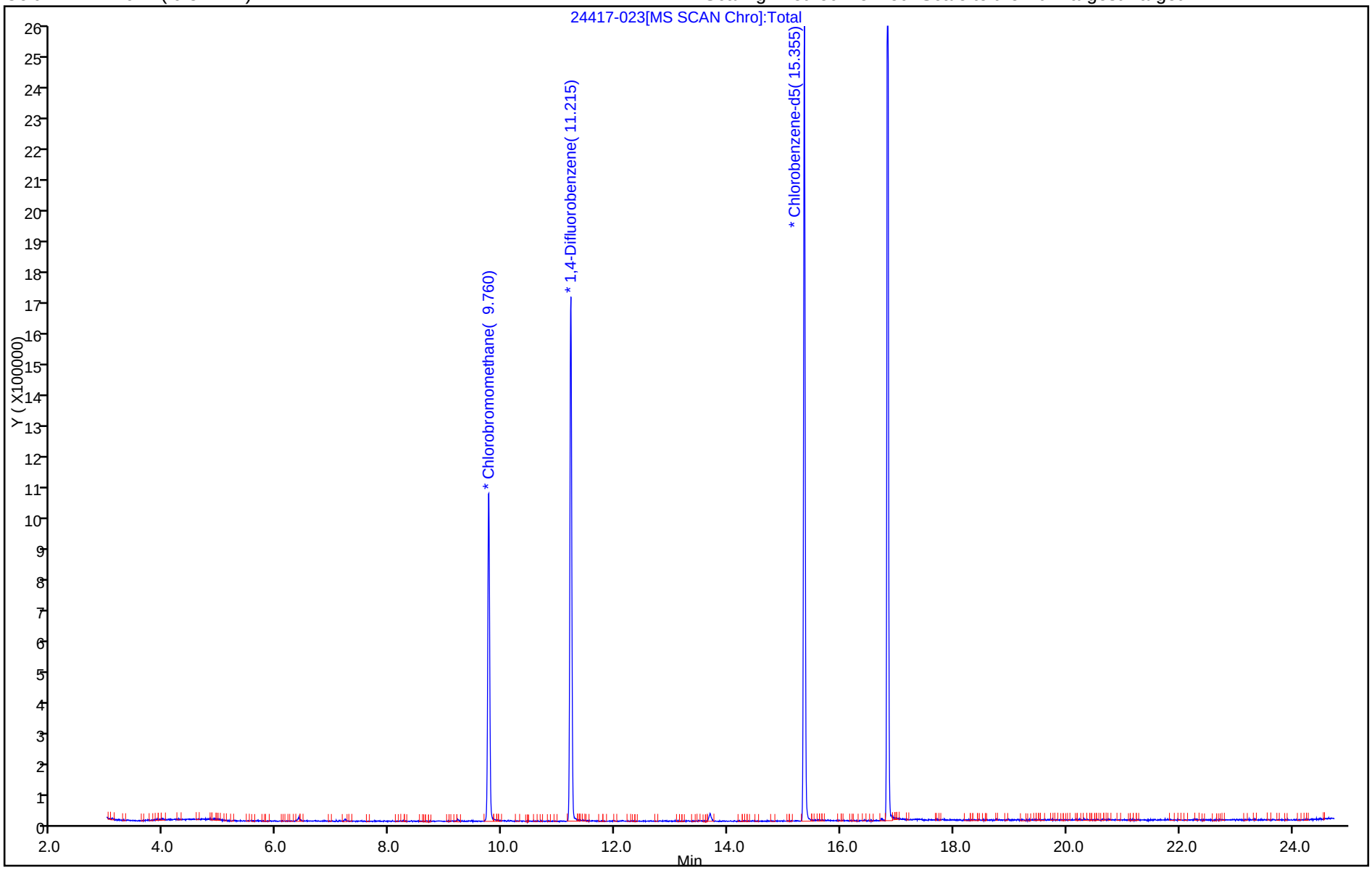
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:34:26 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-023.D				
Injection Date:	25-Mar-2017 06:01:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-10	Lab Sample ID:	200-37774-10	Worklist Smp#:	23
Client ID:	4875				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 3262 | Lab Sample ID: 200-37774-11

Matrix: Air | Lab File ID: 24417-024.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/25/2017 06:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-37774-1

SDG No.:

Client Sample ID: 3262 Lab Sample ID: 200-37774-11

Matrix: Air Lab File ID: 24417-024.D

Analysis Method: TO15 LL Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/25/2017 06:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 115143 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-024.D
Lims ID: 200-37774-A-11
Client ID: 3262
Sample Type: Client
Inject. Date: 25-Mar-2017 06:59:30 ALS Bottle#: 9 Worklist Smp#: 24
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-024
Misc. Info.: 37774-11
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 09:34:53 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 09:34:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.197	7.181	0.016	60	2694	0.0435	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.744	9.744	0.000	65	352886	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1436461	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.350	15.350	0.000	87	1356200	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

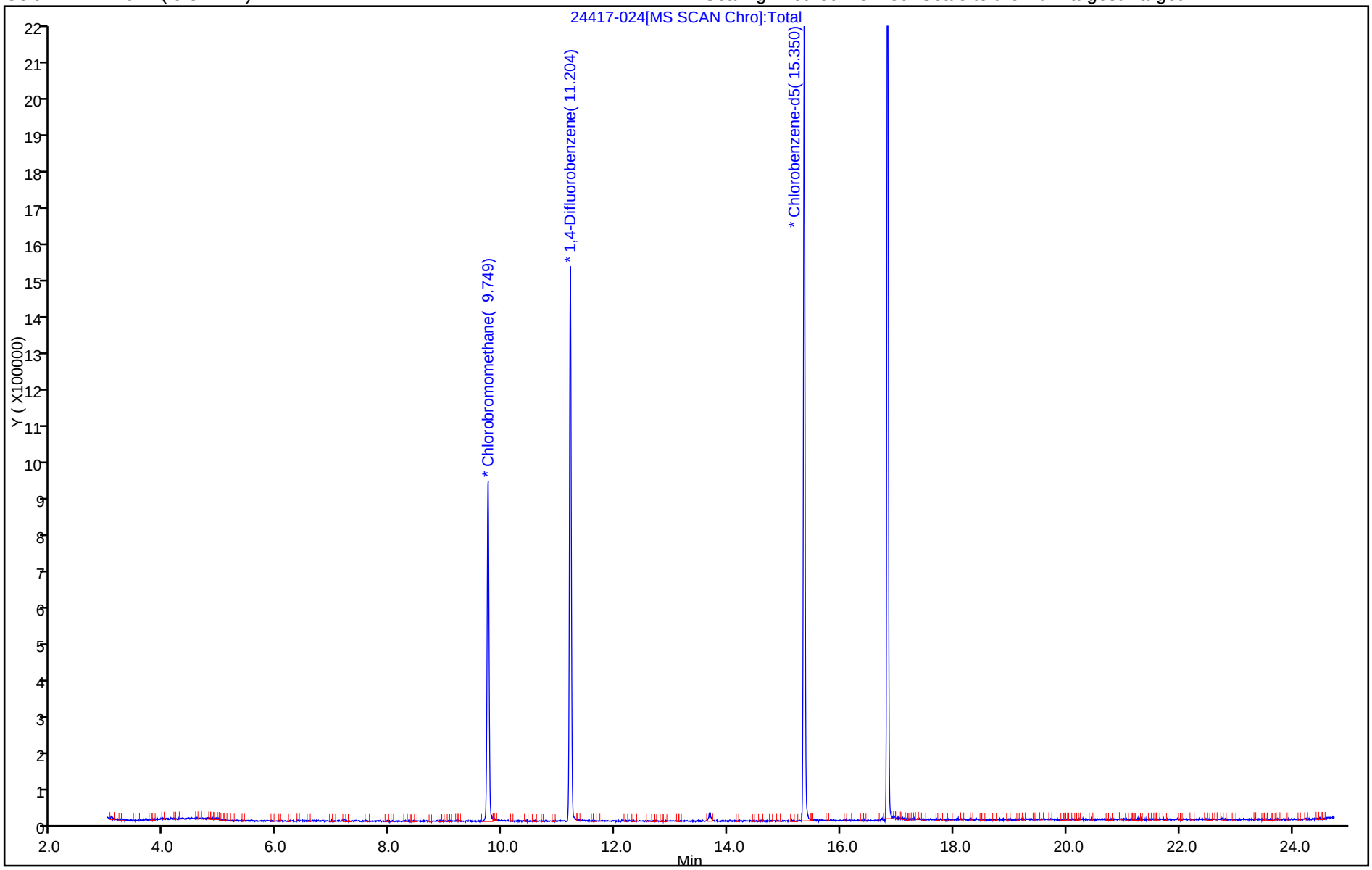
ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 09:34:54 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-024.D				
Injection Date:	25-Mar-2017 06:59:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-11	Lab Sample ID:	200-37774-11	Worklist Smp#:	24
Client ID:	3262				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-37774-1

SDG No.:

Client Sample ID: 2614 | Lab Sample ID: 200-37774-12

Matrix: Air | Lab File ID: 24417-025.D

Analysis Method: TO15 LL | Date Collected: 03/16/2017 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/25/2017 07:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 115143 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.010
76-14-2	1,2-Dichlorotetrafluoroethane	0.010	U	0.010	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.020
106-99-0	1,3-Butadiene	0.020	U	0.020	0.020
74-83-9	Bromomethane	0.020	U	0.020	0.020
75-00-3	Chloroethane	0.020	U	0.020	0.020
593-60-2	Bromoethene(Vinyl Bromide)	0.020	U	0.020	0.020
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.010
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.010
107-05-1	3-Chloropropene	0.020	U	0.020	0.020
75-09-2	Methylene Chloride	0.20	U *	0.20	0.20
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.010
110-54-3	n-Hexane	0.020	U	0.020	0.020
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.010
67-66-3	Chloroform	0.010	U	0.010	0.010
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.010
110-82-7	Cyclohexane	0.010	U	0.010	0.010
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.010
540-84-1	2,2,4-Trimethylpentane	0.010	U	0.010	0.010
71-43-2	Benzene	0.010	U	0.010	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.020
142-82-5	n-Heptane	0.010	U	0.010	0.010
79-01-6	Trichloroethene	0.010	U	0.010	0.010
78-87-5	1,2-Dichloropropane	0.020	U	0.020	0.020
75-27-4	Bromodichloromethane	0.010	U	0.010	0.010
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.010
108-88-3	Toluene	0.010	U	0.010	0.010
10061-02-6	trans-1,3-Dichloropropene	0.010	U *	0.010	0.010
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	0.010	U	0.010	0.010
124-48-1	Dibromochloromethane	0.010	U	0.010	0.010
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.010

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-37774-1
SDG No.:
Client Sample ID: 2614
Lab Sample ID: 200-37774-12
Matrix: Air
Lab File ID: 24417-025.D
Analysis Method: TO15 LL
Date Collected: 03/16/2017 00:00
Sample wt/vol: 500(mL)
Date Analyzed: 03/25/2017 07:58
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 115143
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-41-4	Ethylbenzene	0.010	U	0.010	0.010
95-47-6	o-Xylene	0.010	U	0.010	0.010
75-25-2	Bromoform	0.010	U	0.010	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.010
622-96-8	4-Ethyltoluene	0.010	U	0.010	0.010
108-67-8	1,3,5-Trimethylbenzene	0.020	U	0.020	0.020
540-59-0	1,2-Dichloroethene, Total	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	0.010	U	0.010	0.010

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-025.D
Lims ID: 200-37774-A-12
Client ID: 2614
Sample Type: Client
Inject. Date: 25-Mar-2017 07:58:30 ALS Bottle#: 10 Worklist Smp#: 25
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200-0024417-025
Misc. Info.: 37774-12
Operator ID: wrd Instrument ID: CHE.i

Method: \\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\TO15_LL_CHE.i.m
Limit Group: AI_TO5LL_ICAL
Last Update: 27-Mar-2017 11:16:33 Calib Date: 02-Mar-2017 09:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20170301-24149.b\24149-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: desjardinsb Date: 27-Mar-2017 11:16:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.121				ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
4 Vinyl chloride	62		3.672				ND	
5 Butadiene	54		3.731				ND	
6 Bromomethane	94		4.314				ND	
7 Chloroethane	64		4.512				ND	
8 Vinyl bromide	106		4.865				ND	
9 Trichlorofluoromethane	101		4.966				ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.074				ND	
11 1,1-Dichloroethene	96		6.117				ND	
12 3-Chloro-1-propene	41		6.892				ND	
13 Methylene Chloride	49	7.186	7.181	0.005	74	3189	0.0481	
14 Methyl tert-butyl ether	73		7.588				ND	
15 trans-1,2-Dichloroethene	61		7.625				ND	
16 Hexane	57		8.010				ND	
17 1,1-Dichloroethane	63		8.412				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.375				ND	
* 20 Chlorobromomethane	128	9.743	9.744	-0.001	65	378461	2.00	
21 Chloroform	83		9.840				ND	
22 1,1,1-Trichloroethane	97		10.081				ND	
23 Cyclohexane	84		10.097				ND	
24 Carbon tetrachloride	117		10.300				ND	
25 Isooctane	57		10.605				ND	
26 Benzene	78		10.626				ND	
27 1,2-Dichloroethane	62		10.739				ND	
28 n-Heptane	43		10.883				ND	
* 29 1,4-Difluorobenzene	114	11.204	11.204	0.000	94	1576557	2.00	
30 Trichloroethene	95		11.573				ND	
31 1,2-Dichloropropane	63		11.937				ND	
32 Dichlorobromomethane	83		12.311				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		12.943				ND	
34 Toluene	92		13.365				ND	
35 trans-1,3-Dichloropropene	75		13.740				ND	
36 1,1,2-Trichloroethane	83		14.007				ND	
37 Tetrachloroethene	166		14.141				ND	
38 Chlorodibromomethane	129		14.569				ND	
39 Ethylene Dibromide	107		14.762				ND	
* 40 Chlorobenzene-d5	117	15.350	15.350	0.000	86	1449248	2.00	
42 Ethylbenzene	91		15.468				ND	
43 m-Xylene & p-Xylene	106		15.623				ND	
S 44 Xylenes, Total	106		16.000				ND	
45 o-Xylene	106		16.147				ND	
46 Bromoform	173		16.458				ND	
47 1,1,2,2-Tetrachloroethane	83		16.992				ND	
48 4-Ethyltoluene	105		17.190				ND	
49 1,3,5-Trimethylbenzene	105		17.255				ND	

Reagents:

ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 27-Mar-2017 11:16:36 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHE.i\20170324-24417.b\24417-025.D				
Injection Date:	25-Mar-2017 07:58:30	Instrument ID:	CHE.i	Operator ID:	wrd
Lims ID:	200-37774-A-12	Lab Sample ID:	200-37774-12	Worklist Smp#:	25
Client ID:	2614				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LL_CHE.i	Limit Group:	AI_TO5LL_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1