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REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

RST 2-02-F-2784

TRANSMITTAL MEMO

To: Mr. Cris D'Onofrio
Response and Prevention Branch
U.S. EPA, Region II

From: Smita Sumbaly
Data Reviewer

Subject: Alfred Heller Heat Treating Site
Data Validation Assessment

Date: May 8, 2014

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  VOA 35 Samples

- Matrices and Number of Samples

  Indoor Air 21 Samples
  Soil Gas 11 Samples
  Ambient Air 3 Samples

- Sampling Dates: January 28 through 30, 2014

The final data assessment narrative and original analytical data package are attached.

cc: RST 2 SPM: Aleksandra Mallon
RST 2 SITE FILE TDD #: TO-0029-0034
ANALYTICAL TDD #: TO-0029-0136
PCS#: 7136

339283

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: **May 8, 2014**

TO: **Mr. Cris D'Onofrio, OSC**
U.S. EPA, Region II

FROM: **Smita Sumbaly**
Data Reviewer

SUBJECT: **QA/QC Compliance Review Summary**

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness
Initial Calibration
Internal Standards
Surrogate Recovery
Holding Times
Field Duplicate
Method Blanks
Continuing Calibration
Laboratory Duplicate
Laboratory Control Sample
Trip Blank

Summary of Results

	TO-15 VOC
Acceptable as Submitted	
Acceptable with Comments	X
Unacceptable, Action Pending	
Unacceptable	

Data Reviewed By: Smita Sumbaly Date: 5/8/2014

Approved By: Date: 5/8/14

Area Code/Phone No.: 732-585-4410

NARRATIVE

PCS No. 7136

SITE NAME: **Alfred Heller Heat Treating Site**

5 Wellington Street
Clifton, Passaic County
New Jersey

Laboratory Name: **Accutest Laboratories, 2235 US Highway 130, Dayton, NJ**

INTRODUCTION:

The laboratory's portion of this case consisted of 21 indoor air, 11 soil gas, and three ambient air samples collected on January 28 through 30, 2014. The laboratory report number is JB58857.

The laboratory reported problem(s) with the receipt of these samples. Laboratory received the samples P009-AA001-140127-01 (JB58857-7), P017-IA002-140127-01 (JB58857-24), P018-IA003-140128-01 (JB58857-30), and P018-SG002-140128-01 (JB58857-32) with vacuum out of range 1-15 inches of mercury.

The laboratory reported no problems with any analysis.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and Chain of Custody have been copied from the original data package and appended to the data assessment narrative for reference.

Organic:

Y Holding Time	Y Surrogate Compounds
Y Calibration, Initial	Y Internal Standards
Y Calibration, Continuing	Y Lab Duplicate
Y Blanks	Y Data Completeness
Y Laboratory Control Sample	NA Field Duplicate

Comments:

1. Refer to Data Assessment Narrative.

Functional Guidelines for Evaluating Organic Analysis

RFP No.: 276
LABORATORY: Accutest Laboratories
SAMPLER: Weston Solutions, Inc. (RST 2)

SDG No.: JB58857
SITE: Alfred Heller Heat Treating
ANALYSIS: T0-15 AIR
No. of Samples: 35

DATA ASSESSMENT

The current SOP HW-31 (Revision 4) October 2006, USEPA Region II Data Validation SOP for Statement of Work TO-15 for evaluating organic Ambient Air in Canisters have been applied.

All data are valid and acceptable except those analytes rejected "R"(unusable). Due to the detection of QC problems, some analytes may have the "J" (estimated), "N"(presumptive evidence for the presence of the material), "U" (non-detect) or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer's Signature: Smita Sumbaly Date: 5/8/2014

Verified By: Date: 5/8/2014

DATA ASSESSMENT

A total of 21 indoor air, 11 soil gas, and three ambient air samples were collected in 6-liter Summa canisters from January 28 to 30, 2014 from the Alfred Heller Heat Treating Site located in Clifton, Passaic County, New Jersey and submitted to the laboratory for volatile organic compound (VOC) analysis. On January 30, 2014, all samples were hand-delivered by the Site Project Manager to Accutest laboratories, Inc., 2235 Highway 130, Dayton, New Jersey 08810.

The analysis was performed using EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. The data validation procedures outlined in the U.S. EPA, Region II Data Validation SOP HW-31 Revision 4 (October 2006) were followed. All quality control (QC) limits outlined in the referenced method were used as evaluation criteria.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Collection Date
SDG No.: JB58857				
P006-IA001-140128-01	JB58857-1	Indoor Air	VOC by TO-15	1/29/2014
P006-IA002-140128-01	JB58857-2	Indoor Air	VOC by TO-15	1/29/2014
P006-IA003-140128-01	JB58857-3	Indoor Air	VOC by TO-15	1/29/2014
P006-IA004-140128-01	JB58857-4	Indoor Air	VOC by TO-15	1/29/2014
P006-SG001-140128-01	JB58857-5	Soil Gas	VOC by TO-15	1/29/2014
P006-SG002-140128-01	JB58857-6	Soil Gas	VOC by TO-15	1/29/2014
P009-AA001-140127-01	JB58857-7	Ambient Air	VOC by TO-15	1/28/2014
P009-AA001-140128-01	JB58857-8	Ambient Air	VOC by TO-15	1/29/2014
P009-AA001-140129-01	JB58857-9	Ambient Air	VOC by TO-15	1/30/2014
P009-IA001-140127-01	JB58857-10	Indoor Air	VOC by TO-15	1/28/2014
P009-IA002-140127-01	JB58857-11	Indoor Air	VOC by TO-15	1/28/2014
P009-IA003-140127-01	JB58857-12	Indoor Air	VOC by TO-15	1/28/2014
P009-IA004-140127-01	JB58857-13	Indoor Air	VOC by TO-15	1/28/2014
P009-SG001-140127-01	JB58857-14	Soil Gas	VOC by TO-15	1/28/2014
P009-SG002-140127-01	JB58857-15	Soil Gas	VOC by TO-15	1/28/2014
P010-IA001-140129-01	JB58857-16	Indoor Air	VOC by TO-15	1/30/2014
P010-IA002-140129-01	JB58857-17	Indoor Air	VOC by TO-15	1/30/2014
P010-SG001-140129-01	JB58857-18	Soil Gas	VOC by TO-15	1/30/2014
P011-IA001-140127-01	JB58857-19	Indoor Air	VOC by TO-15	1/28/2014
P011-IA002-140127-01	JB58857-20	Indoor Air	VOC by TO-15	1/28/2014
P011-IA003-140127-01	JB58857-21	Indoor Air	VOC by TO-15	1/28/2014
P011-SG001-140127-01	JB58857-22	Soil Gas	VOC by TO-15	1/28/2014
P017-IA001-140127-01	JB58857-23	Indoor Air	VOC by TO-15	1/28/2014
P017-IA002-140127-01	JB58857-24	Indoor Air	VOC by TO-15	1/28/2014
P017-IA003-140127-01	JB58857-25	Indoor Air	VOC by TO-15	1/28/2014
P017-SG001-140127-01	JB58857-26	Soil Gas	VOC by TO-15	1/28/2014
P017-SG002-140127-01	JB58857-27	Soil Gas	VOC by TO-15	1/28/2014

DATA ASSESSMENT

Field Sample ID	Lab Sample ID	Matrix	Analysis	Collection Date
SDG No.: JB58857				
P018-IA001-140128-01	JB58857-28	Indoor Air	VOC by TO-15	1/29/2014
P018-IA002-140128-01	JB58857-29	Indoor Air	VOC by TO-15	1/29/2014
P018-IA003-140128-01	JB58857-30	Indoor Air	VOC by TO-15	1/29/2014
P018-SG001-140128-01	JB58857-31	Soil Gas	VOC by TO-15	1/29/2014
P018-SG002-140128-01	JB58857-32	Soil Gas	VOC by TO-15	1/29/2014
P020-IA001-140128-01	JB58857-33	Indoor Air	VOC by TO-15	1/29/2014
P020-IA002-140128-01	JB58857-34	Indoor Air	VOC by TO-15	1/30/2014
P020-SG001-140128-01	JB58857-35	Soil Gas	VOC by TO-15	1/29/2014

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

No problems found for this qualification.

2. Leak Test Evaluation:

All canisters are leak tested prior to each sampling use. The initial pressure is measured, the canister valve is closed, and the final pressure is checked after 24 hours. If acceptable, the pressure should not vary more than 13.8 kPa (2 psig) over the 24-hour period.

No problems found for this qualification.

3. Canister Certification:

Canister certification involves two procedures: Blank Analysis and blank spike Analysis. The canister is "Certified clean" if target analytes are < 0.2 ppv. For the spiked canister, the acceptable % difference for any target compound at a nominal 10-ppv concentration in humidified zero air is <30%.

No problems found for this qualification.

4A. Blank Spike/Blank Spike Duplicate Recovery (BS/BSD):

The BS/BSD data is generated to determine the long-term precision and accuracy of the analytical method. The BS/BSD may be used in conjunction with other QC criteria for additional qualification of data. The LCS is analyzed once per 24-hour analytical sequence and concurrently with the samples in the SDG.

As per EPA Method TO-15, the following criteria were used for data evaluation: %Recovery within 70-130%. Laboratory established QC criteria were used for the data evaluation.

No problems found for this qualification.

4B. Laboratory Duplicate Analysis:

A Laboratory duplicate is determined from the analysis of two samples prepared from the same canister.

Laboratory duplicate was performed on sample P006-IA002-140128-01 (JB58857-2). Laboratory established QC criteria were used for the Relative Percent Differences (RPDs) data evaluation. RPD for Chloromethane exceeded the laboratory QC limits. All detected compound data associated with laboratory duplicate sample no. P006-IA002-140128-01 (JB58857-2) was qualified (J).

Chloromethane – "J" P006-IA001-140128-01, P006-IA002-140128-01, P006-IA003-140128-01, P006-IA004-140128-01, P006-SG001-140128-01, and P009-AA001-140127-01

Laboratory duplicate was performed on sample P009-AA001-140128-01 (JB58857-8). Laboratory established QC criteria were used for the RPDs data evaluation. RPD for Freon 113, Methylene Chloride, and Methyl Ethyl Ketone exceeded the laboratory QC limits. All detected compound data associated with laboratory duplicate sample no. P009-AA001-140128-01 (JB58857-8) was qualified (J).

Freon 113 – "J" P009-AA001-140128-01, P009-AA001-140129-01, P009-IA001-140127-01, P009-IA002-140127-01, P018-SG001-140128-01, P018-SG002-140128-01, P020-IA001-140128-01, P020-IA002-140128-01 and P020-SG001-140128-01

Methylene Chloride – "J" P009-AA001-140128-01, P009-AA001-140129-01, P009-IA001-140127-01, P009-IA002-140127-01, P018-SG001-140128-01, P018-SG002-140128-01 P020-IA001-140128-01, P020-IA002-140128-01 and P020-SG001-140128-01

Methyl Ethyl Ketone – "J" P009-AA001-140128-01, P009-AA001-140129-01, P009-IA001-140127-01, P009-IA002-140127-01, P018-SG001-140128-01, P018-SG002-140128-01 P020-IA001-140128-01, P020-IA002-140128-01 and P020-SG001-140128-01

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples throughout field operations. If the concentration of the analyte is less than or equal five times (5X) the method blank concentration, the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

Using the professional judgment and above SOP, the following analytes in the sample shown were qualified with "U" or RL value with a "U" for these reasons:

A) Method blank contamination:

No problems found for this qualification.

B) Trip/ Field blank contamination:

Not Applicable

C) Tics "R" rejected:

Not applicable.

6. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene.

If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems found for this qualification.

7. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ± 30% for all Target analytes. %D must be ± 30% for all Target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, if %RSD >30%, all positive results are flagged as estimated and non-detects are not qualified; if %D >30% then all positive results are flagged as estimated "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

As per EPA Method TO-15, the following criteria were used for data evaluation: %RSD ≤30; %D ≤30.

Initial Calibration

The initial calibration recovery was exceeded the control limits for 1,2,4-Trichlorobenzene in Batch ID 3W38291.D and 1,4 Dioxane in Batch ID W45163. Since these analytes were not detected in samples, no action was required.

Continuing Calibration

Calibration Verification	Analyte	Affected Samples
Batch ID:W45612	1,2,4-Trichlorobenzene	P006-IA001-140128-01, P006-IA002-140128-01, P006-IA003-140128-01, P006-IA004-140128-01, P006-SG001-140128-01, P006-SG001-140128-01, and P009-AA001-140127-01
Batch ID:W45638	1,2,4-Trichlorobenzene	P009-AA001-140128-01, P009-AA001-140129-01, P009-IA001-140127-01, P009-IA002-140127-01, P018-SG001-140128-01, P018-SG002-140128-01 P020-IA001-140128-01, P020-IA002-140128-01 and P020-SG001-140128-01
Batch ID:W45664	1,2,4-Trichlorobenzene	P010-IA001-140129-01

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than 40% from the most recent valid calibration standard area. The retention time of the internal standard must not vary more than 20 seconds from the latest daily (24-hour) calibration standard. If the area count is greater the 40% range of the associated standard, all

of the positive results for compounds quantitated using that IS are qualified as estimated "J", and all non-detects are not flagged. If the area count is less than the 40% range of the associated standard, all of the positive results for compounds quantitated with that IS are qualified as estimated "J", and all non-detects are qualified as unusable "UJ". If the area count is < 25%, flag all non-detects as unusable "R".

If an internal standard retention time varies by more than 20 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

No problems found for this qualification.

9. COMPOUND IDENTIFICATION:

A) Air Volatile Samples:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

No problems found for this qualification.

VOA - The following compounds were qualified as estimated "J" in the indicated samples because the on-column amount of these compounds exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration Sequence:

Ethanol "J" - P006-IA003-140128-01, P006-IA004-140128-01, P009-IA004-140127-01, P011-IA002-140127-01, P011-IA003-140127-01, P017-IA001-140127-01, P017-IA003-140127-01, P018-IA001-140128-01, P018-IA002-140128-01, P018-IA003-140128-01, and P020-IA002-140128-01

10. CONTRACT PROBLEMS NON-COMPLIANCE:

Laboratory reported that Sample Nos. P009-AA001-140127-01 (JB58857-7), P017-IA002-140127-01 (JB58857-24), P018-IA003-140128-01 (JB58857-30), and P018-SG002-140128-01 (JB58857-32), received with vacuum out of range 1-15 (between 0 to +0.5 inches of Mercury). Data reviewer contacted Site Project Manager and was told to notify the lab to proceed with the analysis.

Data reviewer contacted the lab to determine how this sample will affect the data? Laboratory responded that the pressure of 0 to 0.5 psig occurred for samples JB58857-7, 24, 30, and 32 more likely due the difference in temperature that the summa went through from the time it left the lab until it was returned to the lab. Also the results for these samples compare to other samples and this

did not affect the RL/MDL's reported.

Data reviewer contacted the laboratory due to Ethanol being reported above the calibration range in a few samples and were not re-analyzed. Laboratory responded that this compound is present in numerous products found in residences and businesses. Ethanol is also a gasoline additive and this is the one source of the elevated levels of the alcohol in the samples. According to Accutest Laboratory SOP dilution of these compounds are not required to bring the concentration of the two alcohol compounds within the calibration range of the instrument.

11. FIELD DOCUMENTATION:

None

12. OTHER PROBLEMS:

None

13. This package contains re-extracted, re-analyzed or dilution runs. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.

None

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P006-IA001-140128-01				P006-IA002-140128-01			
Lab ID#:	JB58857-1				JB58857-2			
Summa ID:	A1186				A1061			
Initial Volume:	640 ml				400 ml			
Dilution Factor	1.6				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**1.5**	0.20	**3.6**	0.48	**1.8**	0.20	**4.3**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.34**	0.20	**1.1**	0.64	**0.43**	0.20	**1.4**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	U	0.20	U	0.98
Chloromethane	**0.63 J**	0.20	**1.3 J**	0.41	**0.51 J**	0.20	**1.1 J**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	**0.21**	0.20	**0.72**	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.56**	0.20	**2.8**	0.99	**0.54**	0.20	**2.7**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**21.2**	0.50	**39.9**	0.94	**24.3**	0.50	**45.8**	0.94
Ethylbenzene	**0.17 J**	0.20	**0.74 J**	0.87	**0.21**	0.20	**0.91**	0.87
Ethyl Acetate	U	0.20	U	0.72	U	0.20	U	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.35**	0.20	**2.7**	1.5	**0.26**	0.20	**2.0**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	**0.32**	0.20	**1.3**	0.82	**0.40**	0.20	**1.6**	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P006-IA001-140128-01				P006-IA002-140128-01			
Lab ID#:	JB58857-1				JB58857-2			
Summa ID:	A1186				A1061			
Initial Volume:	640 ml				400 ml			
Dilution Factor	1.6				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**1.6**	0.20	**5.6**	0.70	**0.99**	0.20	**3.5**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**1.1**	0.20	**2.7**	0.49	**1.6**	0.20	**3.9**	0.49
Methylene chloride	**1.2**	0.20	**4.2**	0.69	**0.77**	0.20	**2.7**	0.69
Methyl ethyl ketone	**0.17 J**	0.20	**0.50 J**	0.59	**0.20**	0.20	**0.59**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	**0.11 J**	0.20	**0.54 J**	0.98	**0.24**	0.20	**1.2**	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	**0.24**	0.20	**1.1**	0.93	**0.30**	0.20	**1.4**	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**1.0**	0.20	**3.8**	0.75	**1.3**	0.20	**4.9**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.26**	0.20	**1.5**	1.1	**0.25**	0.20	**1.4**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.55**	0.20	**2.4**	0.87	**0.77**	0.20	**3.3**	0.87
o-Xylene	**0.22**	0.20	**0.96**	0.87	**0.26**	0.20	**1.1**	0.87
Xylenes (total)	**0.77**	0.20	**3.3**	0.87	**1.0**	0.20	**4.3**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P006-IA003-140128-01				P006-IA004-140128-01			
Lab ID#:	JB58857-3				JB58857-4			
Summa ID:	A1005				A204			
Initial Volume:	632 ml/20.0 ml[a]				400 ml/20.0 ml[a]			
Dilution Factor	1.58				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**29.7**	0.20	**70.6**	0.48	**12.5**	0.20	**29.7**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.23**	0.20	**0.73**	0.64	**0.26**	0.20	**0.83**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.23**	0.20	**1.1**	0.98	**0.14 J**	0.20	**0.68 J**	0.98
Chloromethane	**0.87 J**	0.20	**1.8 J**	0.41	**0.75 J**	0.20	**1.5 J**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.54**	0.20	**2.7**	0.99	**0.49**	0.20	**2.4**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**8170[a] J**	16.0	**15400[a] J**	30.0	**2210[a] J**	10	**4160[a] J**	19
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**2.4**	0.20	**8.6**	0.72	**2.9**	0.20	**10**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.21**	0.20	**1.6**	1.5	**0.20**	0.20	**1.5**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P006-IA003-140128-01				P006-IA004-140128-01			
Lab ID#:	JB58857-3				JB58857-4			
Summa ID:	A1005				A204			
Initial Volume:	632 ml/20.0 ml[a]				400 ml/20.0 ml[a]			
Dilution Factor	1.58				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Hexane	**0.33**	0.20	**1.2**	0.70	**0.24**	0.20	**0.85**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**53.2[a]**	6.3	**131[a]**	15	**24.6[a]**	4.0	**60.5[a]**	9.8
Methylene chloride	**0.81**	0.20	**2.8**	0.69	**0.60**	0.20	**2.1**	0.69
Methyl ethyl ketone	**0.51**	0.20	**1.5**	0.59	**0.30**	0.20	**0.88**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	**0.22**	0.20	**0.67**	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.35**	0.20	**1.3**	0.75	**0.39**	0.20	**1.5**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.24**	0.20	**1.3**	1.1	**0.24**	0.20	**1.3**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.15 J**	0.20	**0.65 J**	0.87	**0.17 J**	0.20	**0.74 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.15 J**	0.20	**0.65 J**	0.87	**0.17 J**	0.20	**0.74 J**	0.87

a - results were reported from the Run # 2

a - results were reported from the Run # 2

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Soil Gas				Soil Gas			
Client ID#:	P006-SG001-140128-01				P006-SG002-140128-01			
Lab ID#:	JB58857-5				JB58857-6			
Summa ID:	A1001				A632			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**9.1**	0.20	**22**	0.48	**11.7**	0.20	**27.8**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	U	0.20	U	0.64	U	0.20	U	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	U	0.20	U	0.98
Chloromethane	**0.19 J**	0.20	**0.39 J**	0.41	U	0.20	U	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.51**	0.20	**2.5**	0.99	**0.51**	0.20	**2.5**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**5.3**	0.50	**10**	0.94	**4.6**	0.50	**8.7**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	U	0.20	U	0.72	**1.2**	0.20	**4.3**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**4.9**	0.20	**38**	1.5	**0.27**	0.20	**2.1**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Soil Gas				Soil Gas			
Client ID#:	P006-SG001-140128-01				P006-SG002-140128-01			
Lab ID#:	JB58857-5				JB58857-6			
Summa ID:	A1001				A632			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**3.8**	0.20	**13**	0.70	**0.60**	0.20	**2.1**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**3.5**	0.20	**8.6**	0.49	**6.1**	0.20	**15**	0.49
Methylene chloride	**15.8**	0.20	**54.9**	0.69	**0.89**	0.20	**3.1**	0.69
Methyl ethyl ketone	**0.29**	0.20	**0.86**	0.59	**0.42**	0.20	**1.2**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	**0.10**	0.040	**0.68**	0.27	**0.083**	0.040	**0.56**	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.16 J**	0.20	**0.60 J**	0.75	**0.19 J**	0.20	**0.72 J**	0.75
Trichloroethylene	**0.35**	0.040	**1.9**	0.21	**0.20**	0.040	**1.1**	0.21
Trichlorofluoromethane	**0.36**	0.20	**2.0**	1.1	**0.25**	0.20	**1.4**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	U	0.20	U	0.87	**0.098 J**	0.20	**0.43 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	U	0.20	U	0.87	**0.098 J**	0.20	**0.43 J**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January28 and 29, 2014

Matrix:	Ambient Air				Ambient Air			
Client ID#:	P009-AA001-140127-01				P009-AA001-140128-01			
Lab ID#:	JB58857-7				JB58857-8			
Summa ID:	A848				A1082			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**6.1**	0.20	**14**	0.48	**5.0**	0.20	**12**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.20**	0.20	**0.64**	0.64	**0.29**	0.20	**0.93**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	U	0.20	U	0.98
Chloromethane	**0.65 J**	0.20	**1.3 J**	0.41	**0.78**	0.20	**1.6**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.56**	0.20	**2.8**	0.99	**0.56**	0.20	**2.8**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**3.0**	0.50	**5.7**	0.94	**4.0**	0.50	**7.5**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	U	0.20	U	0.72	**1.3**	0.20	**4.7**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.27**	0.20	**2.1**	1.5	**0.45 J**	0.20	**3.4 J**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January28 and 29, 2014

Matrix:	Ambient Air				Ambient Air			
Client ID#:	P009-AA001-140127-01				P009-AA001-140128-01			
Lab ID#:	JB58857-7				JB58857-8			
Summa ID:	A848				A1082			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**0.29**	0.20	**1.0**	0.70	**0.39**	0.20	**1.4**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**3.4**	0.20	**8.4**	0.49	**3.2**	0.20	**7.9**	0.49
Methylene chloride	**0.85**	0.20	**3.0**	0.69	**1.3 J**	0.20	**4.5 J**	0.69
Methyl ethyl ketone	**0.24**	0.20	**0.71**	0.59	**0.22 J**	0.20	**0.65 J**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.26**	0.20	**0.98**	0.75	**0.34**	0.20	**1.3**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.23**	0.20	**1.3**	1.1	**0.26**	0.20	**1.5**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.32**	0.20	**1.4**	0.87	**0.22**	0.20	**0.96**	0.87
o-Xylene	**0.11 J**	0.20	**0.48 J**	0.87	U	0.20	U	0.87
Xylenes (total)	**0.43**	0.20	**1.9**	0.87	**0.22**	0.20	**0.96**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 30, 2014

Matrix:	Ambient Air				Indoor Air			
Client ID#:	P009-AA001-140129-01				P009-IA001-140127-01			
Lab ID#:	JB58857-9				JB58857-10			
Summa ID:	A074				A1083			
Initial Volume:	400 ml				592 ml			
Dilution Factor	1				1.48			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**7.7**	0.20	**18**	0.48	**3.0**	0.20	**7.1**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.38**	0.20	**1.2**	0.64	**0.21**	0.20	**0.67**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	U	0.20	U	0.98
Chloromethane	**1.0**	0.20	**2.1**	0.41	**0.68**	0.20	**1.4**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	**0.27**	0.20	**1.2**	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.56**	0.20	**2.8**	0.99	**0.55**	0.20	**2.7**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**4.7**	0.50	**8.9**	0.94	**13.6**	0.50	**25.6**	0.94
Ethylbenzene	**0.17 J**	0.20	**0.74 J**	0.87	U	0.20	U	0.87
Ethyl Acetate	U	0.20	U	0.72	**3.4**	0.20	**12**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.31 J**	0.20	**2.4 J**	1.5	**0.29 J**	0.20	**2.2 J**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	**0.11 J**	0.20	**0.45 J**	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 30, 2014

Matrix:	Ambient Air				Indoor Air			
Client ID#:	P009-AA001-140129-01				P009-IA001-140127-01			
Lab ID#:	JB58857-9				JB58857-10			
Summa ID:	A074				A1083			
Initial Volume:	400 ml				592 ml			
Dilution Factor	1				1.48			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.38**	0.20	**1.3**	0.70	**0.32**	0.20	**1.1**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**1.3**	0.20	**3.2**	0.49	**4.0**	0.20	**9.8**	0.49
Methylene chloride	**1.4 J**	0.20	**4.9 J**	0.69	**1.3 J**	0.20	**4.5 J**	0.69
Methyl ethyl ketone	**1.7 J**	0.20	**5.0 J**	0.59	**0.25 J**	0.20	**0.74 J**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	**0.57**	0.20	**1.7**	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.36**	0.20	**1.4**	0.75	**0.32**	0.20	**1.2**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.25**	0.20	**1.4**	1.1	**0.25**	0.20	**1.4**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.82**	0.20	**3.6**	0.87	**0.13 J**	0.20	**0.56 J**	0.87
o-Xylene	**0.26**	0.20	**1.1**	0.87	U	0.20	U	0.87
Xylenes (total)	**1.1**	0.20	**4.8**	0.87	**0.13 J**	0.20	**0.56 J**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P009-IA002-140127-01				P009-IA003-140127-01			
Lab ID#:	JB58857-11				JB58857-12			
Summa ID:	A852				A447			
Initial Volume:	592 ml				608 ml			
Dilution Factor	1.48				1.52			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**2.6**	0.20	**6.2**	0.48	**4.7**	0.20	**11**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.23**	0.20	**0.73**	0.64	**0.39**	0.20	**1.2**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	**0.22**	0.20	**0.69**	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	**0.25**	0.20	**1.2**	0.98
Chloromethane	**0.62**	0.20	**1.3**	0.41	**0.52**	0.20	**1.1**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	**0.12 J**	0.20	**0.75 J**	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.54**	0.20	**2.7**	0.99	**0.55**	0.20	**2.7**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**24.0**	0.50	**45.2**	0.94	**39.7**	0.50	**74.8**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**0.79**	0.20	**2.8**	0.72	**1.6**	0.20	**5.8**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.30 J**	0.20	**2.3 J**	1.5	**0.41**	0.20	**3.1**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P009-IA002-140127-01				P009-IA003-140127-01			
Lab ID#:	JB58857-11				JB58857-12			
Summa ID:	A852				A447			
Initial Volume:	592 ml				608 ml			
Dilution Factor	1.48				1.52			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Hexane	**0.32**	0.20	**1.1**	0.70	**0.35**	0.20	**1.2**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**2.0**	0.20	**4.9**	0.49	**5.1**	0.20	**13**	0.49
Methylene chloride	**1.2 J**	0.20	**4.2 J**	0.69	**1.1**	0.20	**3.8**	0.69
Methyl ethyl ketone	**0.16 J**	0.20	**0.47 J**	0.59	**0.35**	0.20	**1.0**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	**0.12 J**	0.20	**0.59 J**	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.33**	0.20	**1.2**	0.75	**0.52**	0.20	**2.0**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.27**	0.20	**1.5**	1.1	**0.34**	0.20	**1.9**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.14 J**	0.20	**0.61 J**	0.87	**0.23**	0.20	**1.0**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.14 J**	0.20	**0.61 J**	0.87	**0.23**	0.20	**1.0**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P009-IA004-140127-01				P009-SG001-140127-01			
Lab ID#:	JB58857-13				JB58857-14			
Summa ID:	A246				A865			
Initial Volume:	640 ml				400 ml			
Dilution Factor	1.6				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**10.5**	0.20	**24.9**	0.48	**2.6**	0.20	**6.2**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**1.9**	0.20	**6.1**	0.64	U	0.20	U	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.56**	0.20	**2.7**	0.98	**3.0**	0.20	**1.5**	0.98
Chloromethane	**0.69**	0.20	**1.4**	0.41	U	0.20	U	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	**0.10 J**	0.20	**0.63 J**	1.3	**0.64**	0.20	**4.0**	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	**0.16 J**	0.20	**0.65 J**	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.57**	0.20	**2.8**	0.99	**0.52**	0.20	**2.6**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**175 J**	0.50	**330 J**	0.94	U	0.50	U	0.94
Ethylbenzene	**0.12 J**	0.20	**0.52 J**	0.87	U	0.20	U	0.87
Ethyl Acetate	**1.8**	0.20	**6.5**	0.72	**0.70**	0.20	**2.5**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.71**	0.20	**5.4**	1.5	**0.73**	0.20	**5.6**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	**0.13 J**	0.20	**0.53 J**	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P009-IA004-140127-01				P009-SG001-140127-01			
Lab ID#:	JB58857-13				JB58857-14			
Summa ID:	A246				A865			
Initial Volume:	640 ml				400 ml			
Dilution Factor	1.6				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**0.73**	0.20	**2.6**	0.70	**0.54**	0.20	**1.9**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**3.3**	0.20	**8.1**	0.49	U	0.20	U	0.49
Methylene chloride	**2.4**	0.20	**8.3**	0.69	**2.2**	0.20	**7.6**	0.69
Methyl ethyl ketone	**0.59**	0.20	**1.7**	0.59	U	0.20	U	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	**3.7**	0.50	**6.4**	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	**1.3**	0.20	**7.1**	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	**0.15 J**	0.20	**0.74 J**	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	**0.15 J**	0.20	**0.45 J**	0.61
Tetrachloroethylene	U	0.040	U	0.27	**1.7**	0.040	**12**	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.74**	0.20	**2.8**	0.75	**0.18 J**	0.20	**0.68 J**	0.75
Trichloroethylene	U	0.040	U	0.21	**0.16**	0.040	**0.86**	0.21
Trichlorofluoromethane	**0.39**	0.20	**2.2**	1.1	**0.39**	0.20	**2.2**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.33**	0.20	**1.4**	0.87	**0.23**	0.20	**1.0**	0.87
o-Xylene	**0.12 J**	0.20	**0.52 J**	0.87	U	0.20	U	0.87
Xylenes (total)	**0.45**	0.20	**2.0**	0.87	**0.23**	0.20	**1.0**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 30, 2014

Matrix:	Soil Gas				Indoor Air			
Client ID#:	P009-SG002-140127-01				P010-IA001-140129-01			
Lab ID#:	JB58857-15				JB58857-16			
Summa ID:	A656				A1181			
Initial Volume:	620 ml				800 ml/400[a] ml			
Dilution Factor	1.55				2.29			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**1.6**	0.20	**3.8**	0.48	**7.2**	0.23	**17**	0.55
1,3-Butadiene	U	0.20	U	0.44	U	0.23	U	0.51
Benzene	U	0.20	U	0.64	**0.29**	0.23	**0.93**	0.73
Bromodichloromethane	U	0.20	U	1.3	U	0.23	U	1.5
Bromoform	U	0.20	U	2.1	U	0.23	U	2.4
Bromomethane	U	0.20	U	0.78	U	0.23	U	0.89
Bromoethene	U	0.20	U	0.87	U	0.23	U	1.0
Benzyl Chloride	U	0.20	U	1.0	U	0.23	U	1.2
Carbon disulfide	U	0.20	U	0.62	U	0.23	U	0.72
Chlorobenzene	U	0.20	U	0.92	U	0.23	U	1.1
Chloroethane	U	0.20	U	0.53	U	0.23	U	0.61
Chloroform	**0.54**	0.20	**2.6**	0.98	U	0.23	U	1.1
Chloromethane	U	0.20	U	0.41	**0.53**	0.23	**1.1**	0.47
3-Chloropropene	U	0.20	U	0.63	U	0.23	U	0.72
2-Chlorotoluene	U	0.20	U	1.0	U	0.23	U	1.2
Carbon tetrachloride	**2.3**	0.20	**14**	1.3	**0.12 J**	0.23	**1.4**	1.4
Cyclohexane	U	0.20	U	0.69	U	0.23	U	0.79
1,1-Dichloroethane	U	0.20	U	0.81	U	0.23	U	0.93
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.23	U	0.91
1,2-Dibromoethane	U	0.20	U	1.5	U	0.23	U	1.8
1,2-Dichloroethane	U	0.20	U	0.81	U	0.23	U	0.93
1,2-Dichloropropane	U	0.20	U	0.92	U	0.23	U	1.1
1,4-Dioxane	U	0.20	U	0.72	U	0.23	U	0.83
Dichlorodifluoromethane	**0.56**	0.20	**2.8**	0.99	**0.65**	0.23	**3.2**	1.1
Dibromochloromethane	U	0.20	U	1.7	U	0.23	U	2.0
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.23	U	0.91
cis-1,2-Dichloroethylene	**0.12 J**	0.20	**0.48 J**	0.79	U	0.23	U	0.91
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.23	U	1.0
m-Dichlorobenzene	U	0.20	U	1.2	U	0.23	U	1.4
o-Dichlorobenzene	U	0.20	U	1.2	U	0.23	U	1.4
p-Dichlorobenzene	U	0.20	U	1.2	U	0.23	U	1.4
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.23	U	1.0
Ethanol	**1.2**	0.50	**2.3**	0.94	**17.0**	0.57	**32.0**	1.1
Ethylbenzene	U	0.20	U	0.87	U	0.23	U	1.0
Ethyl Acetate	**1.2**	0.20	**4.3**	0.72	U	0.23	U	0.83
4-Ethyltoluene	U	0.20	U	0.98	U	0.23	U	1.1
Freon 113	**0.44**	0.20	**3.4**	1.5	**20.9**	0.23	**160**	1.8
Freon 114	U	0.20	U	1.4	U	0.23	U	1.6
Heptane	U	0.20	U	0.82	U	0.23	U	0.94
Hexachlorobutadiene	U	0.20	U	2.1	U	0.23	U	2.5

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 30, 2014

Matrix:	Soil Gas				Indoor Air			
Client ID#:	P009-SG002-140127-01				P010-IA001-140129-01			
Lab ID#:	JB58857-15				JB58857-16			
Summa ID:	A656				A1181			
Initial Volume:	620 ml				800 ml/400[a] ml			
Dilution Factor	1.55				2.29			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.31**	0.20	**1.1**	0.70	**10.4**	0.23	**36.7**	0.81
2-Hexanone	U	0.20	U	0.82	U	0.23	U	0.94
Isopropyl Alcohol	**2.4**	0.20	**5.9**	0.49	**1.1**	0.23	**2.7**	0.57
Methylene chloride	**1.1**	0.20	**3.8**	0.69	**66.1[a]**	0.46	**230[a]**	1.6
Methyl ethyl ketone	**0.11 J**	0.20	**0.32 J**	0.59	**0.33**	0.23	**0.97**	0.68
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.23	U	0.94
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.23	U	0.83
Methylmethacrylate	U	0.20	U	0.82	U	0.23	U	0.94
Propylene	U	0.50	U	0.86	U	0.57	U	0.98
Styrene	U	0.20	U	0.85	U	0.23	U	0.98
1,1,1-Trichloroethane	**0.69**	0.20	**3.8**	1.1	U	0.23	U	1.3
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.23	U	1.6
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.23	U	1.3
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U J	0.23	U J	1.7
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.23	U	1.1
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.23	U	1.1
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.23	U	1.1
Tertiary Butyl Alcohol	**0.15 J**	0.20	**0.45 J**	0.61	U	0.23	U	0.70
Tetrachloroethylene	**0.92**	0.040	**6.2**	0.27	U	0.046	U	0.31
Tetrahydrofuran	U	0.20	U	0.59	U	0.23	U	0.68
Toluene	**0.14 J**	0.20	**0.53 J**	0.75	**0.46**	0.23	**1.7**	0.87
Trichloroethylene	**0.92**	0.040	**4.9**	0.21	U	0.046	U	0.25
Trichlorofluoromethane	**0.38**	0.20	**2.1**	1.1	**1.1**	0.23	**6.2**	1.3
Vinyl chloride	U	0.20	U	0.51	U	0.23	U	0.59
Vinyl Acetate	U	0.20	U	0.70	U	0.23	U	0.81
m,p-Xylene	**0.14 J**	0.20	**0.61 J**	0.87	**0.26**	0.23	**1.1**	1.0
o-Xylene	U	0.20	U	0.87	U	0.23	U	1.0
Xylenes (total)	**0.14 J**	0.20	**0.61 J**	0.87	**0.26**	0.23	**1.1**	1.0

a - results were reported from the Run # 2

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 30, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P010-IA002-140129-01				P010-SG001-140129-01			
Lab ID#:	JB58857-17				JB58857-18			
Summa ID:	A237				A378			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**11.5**	0.20	**27.3**	0.48	**9.2**	0.20	**22**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.22**	0.20	**0.70**	0.64	U	0.20	U	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	**1.2**	0.20	**5.9**	0.98
Chloromethane	**0.19 J**	0.20	**0.39 J**	0.41	U	0.20	U	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	**0.16 J**	0.20	**1.0 J**	1.3	**3.1**	0.20	**20**	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.45**	0.20	**2.2**	0.99	**0.40**	0.20	**2.0**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**7.0**	0.50	**13**	0.94	**0.97**	0.50	**1.8**	0.94
Ethylbenzene	U	0.20	U	0.87	**0.24**	0.20	**1.0**	0.87
Ethyl Acetate	**0.82**	0.20	**3.0**	0.72	**1.3**	0.20	**4.7**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.30**	0.20	**2.3**	1.5	**0.20**	0.20	**1.5**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 30, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P010-IA002-140129-01				P010-SG001-140129-01			
Lab ID#:	JB58857-17				JB58857-18			
Summa ID:	A237				A378			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.47**	0.20	**1.7**	0.70	**0.12 J**	0.20	**0.42 J**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**12.3**	0.20	**30.2**	0.49	**1.1**	0.20	**2.7**	0.49
Methylene chloride	**0.95**	0.20	**3.3**	0.69	**0.46**	0.20	**1.6**	0.69
Methyl ethyl ketone	**0.73**	0.20	**2.2**	0.59	**0.40**	0.20	**1.2**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	**0.23**	0.20	**1.3**	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	**0.12 J**	0.20	**0.56 J**	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	**0.27**	0.20	**0.82**	0.61	U	0.20	U	0.61
Tetrachloroethylene	**0.10**	0.040	**0.68**	0.27	**1.1**	0.040	**7.5**	0.27
Tetrahydrofuran	**0.25**	0.20	**0.74**	0.59	U	0.20	U	0.59
Toluene	**0.22**	0.20	**0.83**	0.75	**0.20**	0.20	**0.75**	0.75
Trichloroethylene	**0.13**	0.040	**0.70**	0.21	**4.4**	0.040	**24**	0.21
Trichlorofluoromethane	**0.35**	0.20	**2.0**	1.1	**0.24**	0.20	**1.3**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	U	0.20	U	0.87	**1.2**	0.20	**5.2**	0.87
o-Xylene	U	0.20	U	0.87	**0.33**	0.20	**1.4**	0.87
Xylenes (total)	U	0.20	U	0.87	**1.6**	0.20	**6.9**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P011-IA001-140127-01				P011-IA002-140127-01			
Lab ID#:	JB58857-19				JB58857-20			
Summa ID:	A831				A1179			
Initial Volume:	608 ml				632 ml			
Dilution Factor	1.52				1.58			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**4.0**	0.20	**9.5**	0.48	**8.7**	0.20	**21**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.15 J**	0.20	**0.98 J**	0.64	**0.19 J**	0.20	**0.61 J**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	**0.11 J**	0.20	**0.54 J**	0.98
Chloromethane	**0.34**	0.20	**0.70**	0.41	**0.43**	0.20	**0.89**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	**0.10 J**	0.20	**0.34 J**	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.31**	0.20	**1.5**	0.99	**0.40**	0.20	**2.0**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**10.1**	0.50	**19.0**	0.94	**95.7 J**	0.50	**180 J**	0.94
Ethylbenzene	**0.070 J**	0.20	**0.30 J**	0.87	U	0.20	U	0.87
Ethyl Acetate	**1.3**	0.20	**4.7**	0.72	**0.86**	0.20	**3.1**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.21**	0.20	**1.6**	1.5	**0.34**	0.20	**2.6**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P011-IA001-140127-01				P011-IA002-140127-01			
Lab ID#:	JB58857-19				JB58857-20			
Summa ID:	A831				A1179			
Initial Volume:	608 ml				632 ml			
Dilution Factor	1.52				1.58			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.22**	0.20	**0.78**	0.70	**0.21**	0.20	**0.74**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**4.1**	0.20	**10**	0.49	**5.2**	0.20	**13**	0.49
Methylene chloride	**0.90**	0.20	**3.1**	0.69	**0.96**	0.20	**3.3**	0.69
Methyl ethyl ketone	**1.4**	0.20	**4.1**	0.59	**0.57**	0.20	**1.7**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	**0.80**	0.20	**2.4**	0.59	**0.25**	0.20	**0.74**	0.59
Toluene	**0.30**	0.20	**1.1**	0.75	**0.35**	0.20	**1.3**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.18 J**	0.20	**1.0 J**	1.1	**0.23**	0.20	**1.3**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.23**	0.20	**1.0**	0.87	**0.22**	0.20	**0.96**	0.87
o-Xylene	**0.086 J**	0.20	**0.37 J**	0.87	U	0.20	U	0.87
Xylenes (total)	**0.32**	0.20	**1.4**	0.87	**0.22**	0.20	**0.96**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P011-IA003-140127-01				P011-SG001-140127-01			
Lab ID#:	JB58857-21				JB58857-22			
Summa ID:	A220				A238			
Initial Volume:	632 ml				400 ml			
Dilution Factor	1.58				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**8.9**	0.20	**21**	0.48	**34.8**	0.20	**82.7**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.21**	0.20	**0.67**	0.64	**0.14 J**	0.20	**0.45 J**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	**0.15 J**	0.20	**0.47 J**	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.17 J**	0.20	**0.83 J**	0.98	**2.1**	0.20	**10**	0.98
Chloromethane	**0.51**	0.20	**1.1**	0.41	**0.27**	0.20	**0.56**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	**1.8**	0.20	**11**	1.3
Cyclohexane	**0.11 J**	0.20	**0.38 J**	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.42**	0.20	**2.1**	0.99	**0.32**	0.20	**1.6**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**87.7 J**	0.50	**165 J**	0.94	**4.7**	0.50	**8.9**	0.94
Ethylbenzene	U	0.20	U	0.87	**0.14 J**	0.20	**0.61 J**	0.87
Ethyl Acetate	**2.7**	0.20	**9.7**	0.72	**5.4**	0.20	**19**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.31**	0.20	**2.4**	1.5	**1.0**	0.20	**7.7**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	**0.17 J**	0.20	**0.70 J**	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P011-IA003-140127-01				P011-SG001-140127-01			
Lab ID#:	JB58857-21				JB58857-22			
Summa ID:	A220				A238			
Initial Volume:	632 ml				400 ml			
Dilution Factor	1.58				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**0.27**	0.20	**0.95**	0.70	**0.86**	0.20	**3.0**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**5.4**	0.20	**13**	0.49	**11.9**	0.20	**29.3**	0.49
Methylene chloride	**1.2**	0.20	**4.2**	0.69	**3.4**	0.20	**12**	0.69
Methyl ethyl ketone	**0.77**	0.20	**2.3**	0.59	**2.0**	0.20	**5.9**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	**2.8**	0.20	**15**	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	**0.20**	0.20	**0.98**	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	**0.61**	0.20	**1.8**	0.61
Tetrachloroethylene	U	0.040	U	0.27	**5.2**	0.040	**35**	0.27
Tetrahydrofuran	**0.13 J**	0.20	**0.38 J**	0.59	**0.12 J**	0.20	**0.35 J**	0.59
Toluene	**0.50**	0.20	**1.9**	0.75	**0.43**	0.20	**1.6**	0.75
Trichloroethylene	U	0.040	U	0.21	**15.9**	0.040	**85.5**	0.21
Trichlorofluoromethane	**0.24**	0.20	**1.3**	1.1	**0.37**	0.20	**2.1**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.36**	0.20	**1.6**	0.87	**1.0**	0.20	**4.3**	0.87
o-Xylene	**0.10 J**	0.20	**0.43 J**	0.87	**0.23**	0.20	**1.0**	0.87
Xylenes (total)	**0.46**	0.20	**2.0**	0.87	**13**	0.20	**5.6**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P017-IA001-140127-01				P017-IA002-140127-01			
Lab ID#:	JB58857-23				JB58857-24			
Summa ID:	A196				A281			
Initial Volume:	632 ml				400 ml			
Dilution Factor	1.58				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Acetone	**6.0**	0.20	**14**	0.48	**2.4**	0.20	**5.7**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.18 J**	0.20	**0.58 J**	0.64	**0.20**	0.20	**0.64**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	U	0.20	U	0.98
Chloromethane	**0.48**	0.20	**0.99**	0.41	**0.47**	0.20	**0.97**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.41**	0.20	**2.0**	0.99	**0.39**	0.20	**1.9**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**136 J**	0.50	**256 J**	0.94	**28.1**	0.50	**52.9**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**2.3**	0.20	**8.3**	0.72	**1.6**	0.20	**5.8**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.48**	0.20	**3.7**	1.5	**0.20**	0.20	**1.5**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P017-IA001-140127-01				P017-IA002-140127-01			
Lab ID#:	JB58857-23				JB58857-24			
Summa ID:	A196				A281			
Initial Volume:	632 ml				400 ml			
Dilution Factor	1.58				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.32**	0.20	**1.1**	0.70	**0.15 J**	0.20	**0.53 J**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**4.4**	0.20	**11**	0.49	**3.8**	0.20	**9.3**	0.49
Methylene chloride	**1.5**	0.20	**5.2**	0.69	**0.58**	0.20	**2.0**	0.69
Methyl ethyl ketone	**0.42**	0.20	**1.2**	0.59	**0.20**	0.20	**0.59**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	**0.10 J**	0.20	**0.29 J**	0.59	U	0.20	U	0.59
Toluene	**0.33**	0.20	**1.2**	0.75	**0.60**	0.20	**2.3**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.25**	0.20	**1.4**	1.1	**0.26**	0.20	**1.5**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.14 J**	0.20	**0.61 J**	0.87	**0.17 J**	0.20	**0.74 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.14 J**	0.20	**0.61 J**	0.87	**0.17 J**	0.20	**0.74 J**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P017-IA003-140127-01				P017-SG001-140127-01			
Lab ID#:	JB58857-25				JB58857-26			
Summa ID:	A670				A309			
Initial Volume:	592 ml				720 ml			
Dilution Factor	1.48				1.8			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**15.3**	0.20	**36.3**	0.48	**9.8**	0.20	**23**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.19 J**	0.20	**0.61 J**	0.64	U	0.20	U	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.12 J**	0.20	**0.59 J**	0.98	U	0.20	U	0.98
Chloromethane	**0.54**	0.20	**1.1**	0.41	U	0.20	U	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	**0.40**	0.20	**2.5**	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.39**	0.20	**1.9**	0.99	**0.38**	0.20	**1.9**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**151 J**	0.50	**285 J**	0.94	**8.4**	0.50	**16**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**0.69**	0.20	**2.5**	0.72	**0.93**	0.20	**3.3**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.26**	0.20	**2.0**	1.5	**0.32**	0.20	**2.5**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 28, 2014

Matrix:	Indoor Air				Soil Gas			
Client ID#:	P017-IA003-140127-01				P017-SG001-140127-01			
Lab ID#:	JB58857-25				JB58857-26			
Summa ID:	A670				A309			
Initial Volume:	592 ml				720 ml			
Dilution Factor	1.48				1.8			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Hexane	**0.22**	0.20	**0.78**	0.70	**0.22**	0.20	**0.78**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**4.6**	0.20	**11**	0.49	**2.7**	0.20	**6.6**	0.49
Methylene chloride	**0.81**	0.20	**2.8**	0.69	**1.1**	0.20	**3.8**	0.69
Methyl ethyl ketone	**1.2**	0.20	**3.5**	0.59	**0.31**	0.20	**0.91**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	**0.080**	0.040	**0.54**	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**0.47**	0.20	**1.8**	0.75	**0.11 J**	0.20	**0.41 J**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.24**	0.20	**1.3**	1.1	**2.5**	0.20	**14**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.22**	0.20	**0.96**	0.87	U	0.20	U	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.22**	0.20	**0.96**	0.87	U	0.20	U	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 29, 2014

Matrix:	Soil Gas				Indoor Air			
Client ID#:	P017-SG002-140127-01				P018-IA001-140128-01			
Lab ID#:	JB58857-27				JB58857-28			
Summa ID:	A330				A754			
Initial Volume:	400 ml				608 ml/100[a] ml			
Dilution Factor	1				1.52			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Acetone	**13.1**	0.20	**31.1**	0.48	**197[a]**	0.20	**468[a]**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	U	0.20	U	0.64	**0.25**	0.20	**0.80**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.24**	0.20	**1.2**	0.98	**0.49**	0.20	**2.4**	0.98
Chloromethane	**0.12 J**	0.20	**0.25 J**	0.41	**0.51**	0.20	**1.1**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.36**	0.20	**1.8**	0.99	**0.41**	0.20	**2.0**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**2.6**	0.50	**4.9**	0.94	**439[a] J**	0.50	**827[a] J**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	U	0.20	U	0.72	**1.9**	0.20	**6.8**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**1.9**	0.20	**15**	1.5	**0.33**	0.20	**2.5**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 28 and 29, 2014

Matrix:	Soil Gas				Indoor Air			
Client ID#:	P017-SG002-140127-01				P018-IA001-140128-01			
Lab ID#:	JB58857-27				JB58857-28			
Summa ID:	A330				A754			
Initial Volume:	400 ml				608 ml/100[a] ml			
Dilution Factor	1				1.52			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**0.14 J**	0.20	**0.49 J**	0.70	**0.24**	0.20	**0.85**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**1.1**	0.20	**2.7**	0.49	**2.9**	0.20	**7.1**	0.49
Methylene chloride	**13.0**	0.20	**45.2**	0.69	**0.95**	0.20	**3.3**	0.69
Methyl ethyl ketone	**0.54**	0.20	**1.6**	0.59	**1.6**	0.20	**4.7**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	**0.85**	0.20	**2.5**	0.59
Toluene	U	0.20	U	0.75	**0.55**	0.20	**2.1**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.29**	0.20	**1.6**	1.1	**0.42**	0.20	**2.4**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	U	0.20	U	0.87	**0.14 J**	0.20	**0.61 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	U	0.20	U	0.87	**0.14 J**	0.20	**0.61 J**	0.87

a - results were reported from the Run # 2

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P018-IA002-140128-01				P018-IA003-140128-01			
Lab ID#:	JB58857-29				JB58857-30			
Summa ID:	A751				A1002			
Initial Volume:	680 ml/100[a] ml				400 ml/50[a] ml			
Dilution Factor	1.7				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**184[a]**	1.4	**437[a]**	3.3	**228[a]**	1.6	**542[a]**	3.8
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.28**	0.20	**0.89**	0.64	**0.28**	0.20	**0.89**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.47**	0.20	**2.3**	0.98	**0.53**	0.20	**2.6**	0.98
Chloromethane	**0.50**	0.20	**1.0**	0.41	**0.53**	0.20	**1.1**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.43**	0.20	**2.1**	0.99	**0.42**	0.20	**2.1**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**463[a] J**	3.4	**872[a] J**	6.4	**540[a] J**	4.0	**1020[a] J**	7.5
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**1.4**	0.20	**5.0**	0.72	**0.70**	0.20	**2.5**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.36**	0.20	**2.8**	1.5	**0.49**	0.20	**3.8**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	**0.10 J**	0.20	**0.41 J**	0.82	**0.14 J**	0.20	**0.57 J**	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P018-IA002-140128-01				P018-IA003-140128-01			
Lab ID#:	JB58857-29				JB58857-30			
Summa ID:	A751				A1002			
Initial Volume:	680 ml/100[a] ml				400 ml/50[a] ml			
Dilution Factor	1.7				1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**0.31**	0.20	**1.1**	0.70	**0.28**	0.20	**0.99**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**3.6**	0.20	**8.8**	0.49	**6.4**	0.20	**16**	0.49
Methylene chloride	**1.0**	0.20	**3.5**	0.69	**0.85**	0.20	**3.0**	0.69
Methyl ethyl ketone	**2.4**	0.20	**7.1**	0.59	**1.3**	0.20	**3.8**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U	0.20	U	1.5	U	0.20	U	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	**0.15 J**	0.20	**0.45 J**	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	**1.3**	0.20	**3.8**	0.59	**0.56**	0.20	**1.7**	0.59
Toluene	**0.59**	0.20	**2.2**	0.75	**0.59**	0.20	**2.2**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.44**	0.20	**2.5**	1.1	**0.34**	0.20	**1.9**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.23**	0.20	**1.0**	0.87	**0.19 J**	0.20	**0.83 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.23**	0.20	**1.0**	0.87	**0.19 J**	0.20	**0.83 J**	0.87
	a - results were reported from the Run # 2				a - results were reported from the Run # 2			

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Soil Gas				Soil Gas			
Client ID#:	P018-SG001-140128-01				P018-SG002-140128-01			
Lab ID#:	JB58857-31				JB58857-32			
Summa ID:	A853				A271			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Acetone	**21.1**	0.20	**50.4**	0.48	**11.8**	0.20	**28.0**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	U	0.20	U	0.64	**0.19 J**	0.20	**0.61 J**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	**0.63**	0.20	**3.1**	0.98	**0.24**	0.20	**1.2**	0.98
Chloromethane	U	0.20	U	0.41	**0.43**	0.20	**0.89**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	**1.9**	0.20	**12**	1.3	**1.7**	0.20	**11**	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.56**	0.20	**2.8**	0.99	**0.56**	0.20	**2.8**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**14.4**	0.50	**27.1**	0.94	**9.4**	0.50	**18**	0.94
Ethylbenzene	U	0.20	U	0.87	U	0.20	U	0.87
Ethyl Acetate	**1.2**	0.20	**4.3**	0.72	U	0.20	U	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**1.4 J**	0.20	**11 J**	1.5	**0.27 J**	0.20	**2.1 J**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	U	0.20	U	0.82	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Soil Gas				Soil Gas			
Client ID#:	P018-SG001-140128-01				P018-SG002-140128-01			
Lab ID#:	JB58857-31				JB58857-32			
Summa ID:	A853				A271			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3	Result ppbv	RL ppbv	Result µg/m3	RL µg/m3
Hexane	**1.3**	0.20	**4.6**	0.70	**0.30**	0.20	**1.1**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**6.1**	0.20	**15**	0.49	**4.3**	0.20	**11**	0.49
Methylene chloride	**3.7 J**	0.20	**13 J**	0.69	**0.53 J**	0.20	**1.8 J**	0.69
Methyl ethyl ketone	**0.40 J**	0.20	**1.2 J**	0.59	**5.7 J**	0.20	**17 J**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	**0.26**	0.040	**1.8**	0.27	**0.095**	0.040	**0.64**	0.27
Tetrahydrofuran	U	0.20	U	0.59	**3.5**	0.20	**10**	0.59
Toluene	**0.19 J**	0.20	**0.72 J**	0.75	**0.25**	0.20	**0.94**	0.75
Trichloroethylene	**0.81**	0.040	**4.4**	0.21	**0.36**	0.040	**1.9**	0.21
Trichlorofluoromethane	**0.34**	0.20	**1.9**	1.1	**0.28**	0.20	**1.6**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.11 J**	0.20	**0.48 J**	0.87	**0.14 J**	0.20	**0.61 J**	0.87
o-Xylene	U	0.20	U	0.87	U	0.20	U	0.87
Xylenes (total)	**0.11 J**	0.20	**0.48 J**	0.87	**0.14 J**	0.20	**0.61 J**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 29 and 30, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P020-IA001-140128-01				P020-IA002-140128-01			
Lab ID#:	JB58857-33				JB58857-34			
Summa ID:	A274				A891			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Acetone	**3.8**	0.20	**9.0**	0.48	**3.8**	0.20	**9.0**	0.48
1,3-Butadiene	U	0.20	U	0.44	U	0.20	U	0.44
Benzene	**0.39**	0.20	**1.2**	0.64	**0.29**	0.20	**0.93**	0.64
Bromodichloromethane	U	0.20	U	1.3	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53	U	0.20	U	0.53
Chloroform	U	0.20	U	0.98	**0.12 J**	0.20	**0.59 J**	0.98
Chloromethane	**0.77**	0.20	**1.6**	0.41	**0.68**	0.20	**1.4**	0.41
3-Chloropropene	U	0.20	U	0.63	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0	U	0.20	U	1.0
Carbon tetrachloride	U	0.20	U	1.3	U	0.20	U	1.3
Cyclohexane	U	0.20	U	0.69	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72	U	0.20	U	0.72
Dichlorodifluoromethane	**0.64**	0.20	**3.2**	0.99	**0.56**	0.20	**2.8**	0.99
Dibromochloromethane	U	0.20	U	1.7	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91	U	0.20	U	0.91
Ethanol	**33.2**	0.50	**62.6**	0.94	**96.5 J**	0.50	**182 J**	0.94
Ethylbenzene	**0.14 J**	0.20	**0.61 J**	0.87	U	0.20	U	0.87
Ethyl Acetate	**6.0**	0.20	**22**	0.72	**1.7**	0.20	**6.1**	0.72
4-Ethyltoluene	U	0.20	U	0.98	U	0.20	U	0.98
Freon 113	**0.25 J**	0.20	**1.9 J**	1.5	**0.34 J**	0.20	**2.6 J**	1.5
Freon 114	U	0.20	U	1.4	U	0.20	U	1.4
Heptane	**0.18 J**	0.20	**0.74 J**	0.82	**0.17 J**	0.20	**0.70 J**	0.82
Hexachlorobutadiene	U	0.20	U	2.1	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATES: January 29 and 30, 2014

Matrix:	Indoor Air				Indoor Air			
Client ID#:	P020-IA001-140128-01				P020-IA002-140128-01			
Lab ID#:	JB58857-33				JB58857-34			
Summa ID:	A274				A891			
Initial Volume:	400 ml				400 ml			
Dilution Factor	1				1			
TO-15 VOCs	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**	**Result ppbv**	**RL ppbv**	**Result µg/m3**	**RL µg/m3**
Hexane	**3.3**	0.20	**12**	0.70	**0.42**	0.20	**1.5**	0.70
2-Hexanone	U	0.20	U	0.82	U	0.20	U	0.82
Isopropyl Alcohol	**3.7**	0.20	**9.1**	0.49	**1.6**	0.20	**3.9**	0.49
Methylene chloride	**1.1 J**	0.20	**3.8 J**	0.69	**0.69 J**	0.20	**2.4 J**	0.69
Methyl ethyl ketone	**0.48 J**	0.20	**1.4 J**	0.59	**0.30 J**	0.20	**0.88 J**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82	U	0.20	U	0.82
Propylene	U	0.50	U	0.86	U	0.50	U	0.86
Styrene	U	0.20	U	0.85	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61	U	0.20	U	0.61
Tetrachloroethylene	U	0.040	U	0.27	U	0.040	U	0.27
Tetrahydrofuran	U	0.20	U	0.59	U	0.20	U	0.59
Toluene	**1.0**	0.20	**3.8**	0.75	**0.54**	0.20	**2.0**	0.75
Trichloroethylene	U	0.040	U	0.21	U	0.040	U	0.21
Trichlorofluoromethane	**0.47**	0.20	**2.6**	1.1	**0.25**	0.20	**1.4**	1.1
Vinyl chloride	U	0.20	U	0.51	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70	U	0.20	U	0.70
m,p-Xylene	**0.44**	0.20	**1.9**	0.87	**0.22**	0.20	**0.96**	0.87
o-Xylene	**0.17 J**	0.20	**0.74 J**	0.87	U	0.20	U	0.87
Xylenes (total)	**0.61**	0.20	**2.6**	0.87	**0.22**	0.20	**0.96**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	**Soil Gas**			
Client ID#:	**P020-SG001-140128-01**			
Lab ID#:	**JB58857-35**			
Summa ID:	**A250**			
Initial Volume:	**400 ml**			
Dilution Factor	**1**			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Acetone	**10.7**	0.20	**25.4**	0.48
1,3-Butadiene	U	0.20	U	0.44
Benzene	U	0.20	U	0.64
Bromodichloromethane	U	0.20	U	1.3
Bromoform	U	0.20	U	2.1
Bromomethane	U	0.20	U	0.78
Bromoethene	U	0.20	U	0.87
Benzyl Chloride	U	0.20	U	1.0
Carbon disulfide	U	0.20	U	0.62
Chlorobenzene	U	0.20	U	0.92
Chloroethane	U	0.20	U	0.53
Chloroform	**1.1**	0.20	**5.4**	0.98
Chloromethane	U	0.20	U	0.41
3-Chloropropene	U	0.20	U	0.63
2-Chlorotoluene	U	0.20	U	1.0
Carbon tetrachloride	**1.6**	0.20	**10**	1.3
Cyclohexane	U	0.20	U	0.69
1,1-Dichloroethane	U	0.20	U	0.81
1,1-Dichloroethylene	U	0.20	U	0.79
1,2-Dibromoethane	U	0.20	U	1.5
1,2-Dichloroethane	U	0.20	U	0.81
1,2-Dichloropropane	U	0.20	U	0.92
1,4-Dioxane	U	0.20	U	0.72
Dichlorodifluoromethane	**0.58**	0.20	**2.9**	0.99
Dibromochloromethane	U	0.20	U	1.7
trans-1,2-Dichloroethylene	U	0.20	U	0.79
cis-1,2-Dichloroethylene	U	0.20	U	0.79
cis-1,3-Dichloropropene	U	0.20	U	0.91
m-Dichlorobenzene	U	0.20	U	1.2
o-Dichlorobenzene	U	0.20	U	1.2
p-Dichlorobenzene	U	0.20	U	1.2
trans-1,3-Dichloropropene	U	0.20	U	0.91
Ethanol	**2.3**	0.50	**4.3**	0.94
Ethylbenzene	U	0.20	U	0.87
Ethyl Acetate	U	0.20	U	0.72
4-Ethyltoluene	U	0.20	U	0.98
Freon 113	**0.28 J**	0.20	**2.1 J**	1.5
Freon 114	U	0.20	U	1.4
Heptane	U	0.20	U	0.82
Hexachlorobutadiene	U	0.20	U	2.1

OTHER ANALYTES WORK TABLE

PROJECT: Alfred Heller Heat Treating Site
SAMPLING DATE: January 29, 2014

Matrix:	Soil Gas			
Client ID#:	P020-SG001-140128-01			
Lab ID#:	JB58857-35			
Summa ID:	A250			
Initial Volume:	400 ml			
Dilution Factor	1			
TO-15 VOCs	**Result** ppbv	**RL** ppbv	**Result** µg/m3	**RL** µg/m3
Hexane	**0.18 J**	0.20	**0.63 J**	0.70
2-Hexanone	U	0.20	U	0.82
Isopropyl Alcohol	**5.1**	0.20	**13**	0.49
Methylene chloride	**0.42 J**	0.20	**1.5 J**	0.69
Methyl ethyl ketone	**0.45 J**	0.20	**1.3 J**	0.59
Methyl Isobutyl Ketone	U	0.20	U	0.82
Methyl Tert Butyl Ether	U	0.20	U	0.72
Methylmethacrylate	U	0.20	U	0.82
Propylene	U	0.50	U	0.86
Styrene	U	0.20	U	0.85
1,1,1-Trichloroethane	U	0.20	U	1.1
1,1,2,2-Tetrachloroethane	U	0.20	U	1.4
1,1,2-Trichloroethane	U	0.20	U	1.1
1,2,4-Trichlorobenzene	U J	0.20	U J	1.5
1,2,4-Trimethylbenzene	U	0.20	U	0.98
1,3,5-Trimethylbenzene	U	0.20	U	0.98
2,2,4-Trimethylpentane	U	0.20	U	0.93
Tertiary Butyl Alcohol	U	0.20	U	0.61
Tetrachloroethylene	**0.26**	0.040	**1.8**	0.27
Tetrahydrofuran	U	0.20	U	0.59
Toluene	U	0.20	U	0.75
Trichloroethylene	**2.9**	0.040	**16**	0.21
Trichlorofluoromethane	**0.33**	0.20	**1.9**	1.1
Vinyl chloride	U	0.20	U	0.51
Vinyl Acetate	U	0.20	U	0.70
m,p-Xylene	**0.12 J**	0.20	**0.52 J**	0.87
o-Xylene	U	0.20	U	0.87
Xylenes (total)	**0.12 J**	0.20	**0.52 J**	0.87

RL - Reporting Limit
U - non-detected compound
J - estimated value

Sample Summary

Weston Solutions, Inc.

Job No: JB58857

Case# 276
Project No: PO#0084699

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB58857-1	01/29/14	09:13	01/30/14	AIR	Indoor Air Comp.	P006-IA001-140128-01
JB58857-2	01/29/14	09:16	01/30/14	AIR	Indoor Air Comp.	P006-IA002-140128-01
JB58857-3	01/29/14	09:18	01/30/14	AIR	Indoor Air Comp.	P006-IA003-140128-01
JB58857-4	01/29/14	09:20	01/30/14	AIR	Indoor Air Comp.	P006-IA004-140128-01
JB58857-5	01/29/14	09:12	01/30/14	AIR	Soil Vapor Comp.	P006-SG001-140128-01
JB58857-6	01/29/14	09:15	01/30/14	AIR	Soil Vapor Comp.	P006-SG002-140128-01
JB58857-7	01/28/14	13:05	01/30/14	AIR	Ambient Air Comp.	P009-AA001-140127-01
JB58857-8	01/29/14	12:11	01/30/14	AIR	Ambient Air Comp.	P009-AA001-140128-01
JB58857-9	01/30/14	11:30	01/30/14	AIR	Ambient Air Comp.	P009-AA001-140129-01
JB58857-10	01/28/14	11:32	01/30/14	AIR	Indoor Air Comp.	P009-IA001-140127-01
JB58857-11	01/28/14	11:35	01/30/14	AIR	Indoor Air Comp.	P009-IA002-140127-01
JB58857-12	01/28/14	11:29	01/30/14	AIR	Indoor Air Comp.	P009-IA003-140127-01
JB58857-13	01/28/14	11:37	01/30/14	AIR	Indoor Air Comp.	P009-IA004-140127-01

Sample Summary
(continued)

Weston Solutions, Inc.

Case# 276
Project No: PO#0084699

Job No: JB58857

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB58857-14	01/28/14	11:31	01/30/14	AIR	Soil Vapor Comp.	P009-SG001-140127-01
JB58857-15	01/28/14	11:34	01/30/14	AIR	Soil Vapor Comp.	P009-SG002-140127-01
JB58857-16	01/30/14	09:28	01/30/14	AIR	Indoor Air Comp.	P010-IA001-140129-01
JB58857-17	01/30/14	09:31	01/30/14	AIR	Indoor Air Comp.	P010-IA002-140129-01
JB58857-18	01/30/14	09:27	01/30/14	AIR	Soil Vapor Comp.	P010-SG001-140129-01
JB58857-19	01/28/14	16:26	01/30/14	AIR	Indoor Air Comp.	P011-IA001-140127-01
JB58857-20	01/28/14	16:24	01/30/14	AIR	Indoor Air Comp.	P011-IA002-140127-01
JB58857-21	01/28/14	17:02	01/30/14	AIR	Indoor Air Comp.	P011-IA003-140127-01
JB58857-22	01/28/14	16:28	01/30/14	AIR	Air	P011-SG001-140127-01
JB58857-23	01/28/14	15:30	01/30/14	AIR	Air	P017-IA001-140127-01
JB58857-24	01/28/14	15:33	01/30/14	AIR	Air	P017-IA002-140127-01
JB58857-25	01/28/14	15:35	01/30/14	AIR	Air	P017-IA003-140127-01
JB58857-26	01/28/14	15:29	01/30/14	AIR	Air	P017-SG001-140127-01

Sample Summary
(continued)

Weston Solutions, Inc.

Case# 276
Project No: PO#0084699

Job No: JB58857

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB58857-27	01/28/14	15:32	01/30/14	AIR	Air	P017-SG002-140127-01
JB58857-28	01/29/14	15:37	01/30/14	AIR	Air	P018-IA001-140128-01
JB58857-29	01/29/14	15:39	01/30/14	AIR	Air	P018-IA002-140128-01
JB58857-30	01/28/14	15:45	01/30/14	AIR	Air	P018-IA003-140128-01
JB58857-31	01/29/14	15:34	01/30/14	AIR	Air	P018-SG001-140128-01
JB58857-32	01/29/14	15:39	01/30/14	AIR	Air	P018-SG002-140128-01
JB58857-33	01/29/14	15:13	01/30/14	AIR	Air	P020-IA001-140128-01
JB58857-34	01/30/14	15:15	01/30/14	AIR	Air	P020-IA002-140128-01
JB58857-35	01/29/14	15:11	01/30/14	AIR	Air	P020-SG001-140128-01

ACCUTEST LABORATORIES

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CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Weston Solutions, Inc. **Job No** JB58857

Site: Case# 276 **Report Date** 2/10/2014 8:43:51 AM

On 01/30/2014, 35 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB58857 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** V2W1683

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB58590-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58857-21, JB58857-25, JB58857-28, JB58857-29, JB58857-30 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

Matrix: AIR **Batch ID:** V2W1684

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB58993-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58857-20, JB58857-23, JB58857-3, JB58857-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- RPD(s) for Duplicate for Dichlorodifluoromethane are outside control limits. High RPD due to low concentration of hit

Matrix: AIR **Batch ID:** V3W1475

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58801-3DUP were used as the QC samples indicated.
- Sample(s) JB58857-13 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- RPD(s) for Duplicate for 2,2,4-Trimethylpentane are outside control limits. High RPD due to low concentration of hit

Matrix: AIR **Batch ID:** VW1823

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58857-2DUP were used as the QC samples indicated.
- Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for Duplicate for Chloromethane are outside in house control limits.

Matrix: AIR **Batch ID:** VW1824

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58857-8DUP were used as the QC samples indicated.
- Sample(s) JB58857-34 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

Volatiles by GCMS By Method TO-15

Matrix: AIR	Batch ID: VW1824

- Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Propylene are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for Duplicate for Freon 113, Methyl ethyl ketone, Methylene chloride are outside control limits.

Matrix: AIR	Batch ID: VW1825

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB58976-1DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey
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LABORATORIES

Sample Results

Report of Analysis

Raw Data: W45619.D

Accutest Laboratories

Report of Analysis

4.1

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Client Sample ID:	P006-IA001-140128-01		
Lab Sample ID:	JB58857-1	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1186	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45619.D	1.6	01/31/14	DFT	n/a	n/a	VW1823
Run #2							

	Initial Volume
Run #1	640 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	1.5	0.20	0.034	ppbv		3.6	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.34	0.20	0.021	ppbv		1.1	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.63	0.20	0.034	ppbv	J	1.3	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-IA001-140128-01		
Lab Sample ID:	JB58857-1	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1186	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	21.2	0.50	0.19	ppbv		39.9	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.17	0.20	0.020	ppbv	J	0.74	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.35	0.20	0.021	ppbv		2.7	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.32	0.20	0.020	ppbv		1.3	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	1.6	0.20	0.016	ppbv		5.6	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.039	ppbv		2.7	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.20	0.047	ppbv		4.2	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.17	0.20	0.058	ppbv	J	0.50	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.017	ppbv	J	0.54	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.24	0.20	0.021	ppbv		1.1	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	1.0	0.20	0.020	ppbv		3.8	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.014	ppbv		1.5	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.55	0.20	0.032	ppbv		2.4	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.22	0.20	0.019	ppbv		0.96	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.77	0.20	0.019	ppbv		3.3	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P006-IA002-140128-01		
Lab Sample ID:	JB58857-2	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1061	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45620.D	1	01/31/14	DFT	n/a	n/a	VW1823
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	1.8	0.20	0.034	ppbv		4.3	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.43	0.20	0.021	ppbv		1.4	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.51 J	0.20	0.034	ppbv		1.1 J	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	0.21	0.20	0.058	ppbv		0.72	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.015	ppbv		2.7	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-IA002-140128-01		
Lab Sample ID:	JB58857-2	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1061	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	24.3	0.50	0.19	ppbv		45.8	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.21	0.20	0.020	ppbv		0.91	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.26	0.20	0.021	ppbv		2.0	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.40	0.20	0.020	ppbv		1.6	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.99	0.20	0.016	ppbv		3.5	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.20	0.039	ppbv		3.9	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.77	0.20	0.047	ppbv		2.7	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.20	0.20	0.058	ppbv		0.59	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.24	0.20	0.017	ppbv		1.2	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.30	0.20	0.021	ppbv		1.4	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	1.3	0.20	0.020	ppbv		4.9	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.77	0.20	0.032	ppbv		3.3	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.26	0.20	0.019	ppbv		1.1	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.20	0.019	ppbv		4.3	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P006-IA003-140128-01		
Lab Sample ID:	JB58857-3	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1005	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45622.D	1.58	01/31/14	DFT	n/a	n/a	VW1823
Run #2	2W40351.D	1.58	02/05/14	YMH	n/a	n/a	V2W1684

	Initial Volume
Run #1	632 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	29.7	0.20	0.034	ppbv		70.6	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.23	0.20	0.021	ppbv		0.73	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.23	0.20	0.019	ppbv		1.1	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.87	0.20	0.034	ppbv		1.8	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.015	ppbv		2.7	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P006-IA003-140128-01		
Lab Sample ID:	JB58857-3	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1005	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	8170 [a] J	16	5.9	ppbv	E	15400 [a] J	30	11	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	2.4	0.20	0.057	ppbv		8.6	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.21	0.20	0.021	ppbv		1.6	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.33	0.20	0.016	ppbv		1.2	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	53.2 [a]	6.3	1.2	ppbv		131 [a]	15	2.9	ug/m3
75-09-2	84.94	Methylene chloride	0.81	0.20	0.047	ppbv		2.8	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.058	ppbv		1.5	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.22	0.20	0.044	ppbv		0.67	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.35	0.20	0.020	ppbv		1.3	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.15	0.20	0.032	ppbv	J	0.65	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.15	0.20	0.019	ppbv	J	0.65	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%	76%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-IA003-140128-01		
Lab Sample ID:	JB58857-3	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1005	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	P006-IA004-140128-01		
Lab Sample ID:	JB58857-4	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A204	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45623.D	1	01/31/14	DFT	n/a	n/a	VW1823
Run #2	2W40352.D	1	02/05/14	YMH	n/a	n/a	V2W1684

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	12.5	0.20	0.034	ppbv		29.7	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.26	0.20	0.021	ppbv		0.83	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.14	0.20	0.019	ppbv	J	0.68	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.75 J	0.20	0.034	ppbv		1.5 J	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.20	0.015	ppbv		2.4	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	P006-IA004-140128-01		
Lab Sample ID:	JB58857-4	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A204	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2210 [a] J	10	3.7	ppbv	E	4160 [a] J	19	7.0	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	2.9	0.20	0.057	ppbv		10	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.20	0.20	0.021	ppbv		1.5	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.24	0.20	0.016	ppbv		0.85	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	24.6 [a]	4.0	0.77	ppbv		60.5 [a]	9.8	1.9	ug/m3
75-09-2	84.94	Methylene chloride	0.60	0.20	0.047	ppbv		2.1	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.30	0.20	0.058	ppbv		0.88	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.39	0.20	0.020	ppbv		1.5	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.032	ppbv	J	0.74	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.019	ppbv	J	0.74	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%	77%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-IA004-140128-01		
Lab Sample ID:	JB58857-4	Date Sampled:	01/29/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A204	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	P006-SG001-140128-01		
Lab Sample ID:	JB58857-5	Date Sampled:	01/29/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1001	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45629.D	1	01/31/14	DFT	n/a	n/a	VW1823
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	9.1	0.20	0.034	ppbv		22	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.19 J	0.20	0.034	ppbv	J	0.39 J	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.015	ppbv		2.5	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-SG001-140128-01		
Lab Sample ID:	JB58857-5	Date Sampled:	01/29/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1001	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	5.3	0.50	0.19	ppbv		10	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	4.9	0.20	0.021	ppbv		38	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	3.8	0.20	0.016	ppbv		13	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.5	0.20	0.039	ppbv		8.6	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	15.8	0.20	0.047	ppbv		54.9	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.29	0.20	0.058	ppbv		0.86	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.10	0.040	0.029	ppbv		0.68	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.16	0.20	0.020	ppbv	J	0.60	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.35	0.040	0.019	ppbv		1.9	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.36	0.20	0.014	ppbv		2.0	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.032	ppbv		ND	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P006-SG002-140128-01		
Lab Sample ID:	JB58857-6	Date Sampled:	01/29/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A632	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45630.D	1	01/31/14	DFT	n/a	n/a	VW1823
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	11.7	0.20	0.034	ppbv		27.8	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.015	ppbv		2.5	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P006-SG002-140128-01		
Lab Sample ID:	JB58857-6	Date Sampled:	01/29/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A632	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.6	0.50	0.19	ppbv		8.7	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.057	ppbv		4.3	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.27	0.20	0.021	ppbv		2.1	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.60	0.20	0.016	ppbv		2.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.1	0.20	0.039	ppbv		15	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.89	0.20	0.047	ppbv		3.1	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.42	0.20	0.058	ppbv		1.2	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.083	0.040	0.029	ppbv		0.56	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.19	0.20	0.020	ppbv	J	0.72	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.20	0.040	0.019	ppbv		1.1	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.098	0.20	0.032	ppbv	J	0.43	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.098	0.20	0.019	ppbv	J	0.43	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	P009-AA001-140127-01		
Lab Sample ID:	JB58857-7	Date Sampled:	01/28/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A848	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45631.D	1	01/31/14	DFT	n/a	n/a	VW1823
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	6.1	0.20	0.034	ppbv		14	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.021	ppbv		0.64	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.65 J	0.20	0.034	ppbv		1.3 J	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-AA001-140127-01		
Lab Sample ID:	JB58857-7	Date Sampled:	01/28/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A848	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	3.0	0.50	0.19	ppbv		5.7	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.27	0.20	0.021	ppbv		2.1	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.29	0.20	0.016	ppbv		1.0	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.4	0.20	0.039	ppbv		8.4	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.85	0.20	0.047	ppbv		3.0	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.058	ppbv		0.71	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.26	0.20	0.020	ppbv		0.98	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.32	0.20	0.032	ppbv		1.4	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.019	ppbv	J	0.48	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.43	0.20	0.019	ppbv		1.9	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-AA001-140128-01		
Lab Sample ID:	JB58857-8	Date Sampled:	01/29/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A1082	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45645.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	5.0	0.20	0.034	ppbv		12	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.29	0.20	0.021	ppbv		0.93	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.78	0.20	0.034	ppbv		1.6	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-AA001-140128-01		
Lab Sample ID:	JB58857-8	Date Sampled:	01/29/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A1082	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.0	0.50	0.19	ppbv		7.5	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.057	ppbv		4.7	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.45 J	0.20	0.021	ppbv		3.4 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.39	0.20	0.016	ppbv		1.4	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.039	ppbv		7.9	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.3 J	0.20	0.047	ppbv		4.5 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.22 J	0.20	0.058	ppbv		0.65 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.34	0.20	0.020	ppbv		1.3	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.014	ppbv		1.5	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.032	ppbv		0.96	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.019	ppbv		0.96	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-AA001-140129-01		
Lab Sample ID:	JB58857-9	Date Sampled:	01/30/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A074	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45648.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	7.7	0.20	0.034	ppbv		18	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.38	0.20	0.021	ppbv		1.2	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	1.0	0.20	0.034	ppbv		2.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	0.27	0.20	0.040	ppbv		1.2	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-AA001-140129-01		
Lab Sample ID:	JB58857-9	Date Sampled:	01/30/14
Matrix:	AIR - Ambient Air Comp. Summa ID: A074	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.7	0.50	0.19	ppbv		8.9	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.17	0.20	0.020	ppbv	J	0.74	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.31 J	0.20	0.021	ppbv		2.4 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.020	ppbv	J	0.45	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.38	0.20	0.016	ppbv		1.3	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.20	0.039	ppbv		3.2	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.4 J	0.20	0.047	ppbv		4.9 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.7 J	0.20	0.058	ppbv		5.0 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.57	0.20	0.044	ppbv		1.7	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.36	0.20	0.020	ppbv		1.4	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.82	0.20	0.032	ppbv		3.6	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.26	0.20	0.019	ppbv		1.1	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.019	ppbv		4.8	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA001-140127-01		
Lab Sample ID:	JB58857-10	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1083	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45649.D	1.48	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	592 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	3.0	0.20	0.034	ppbv		7.1	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.21	0.20	0.021	ppbv		0.67	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.034	ppbv		1.4	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	0.20	0.015	ppbv		2.7	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA001-140127-01		
Lab Sample ID:	JB58857-10	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1083	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	13.6	0.50	0.19	ppbv		25.6	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	3.4	0.20	0.057	ppbv		12	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.29 J	0.20	0.021	ppbv		2.2 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.32	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.0	0.20	0.039	ppbv		9.8	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.3 J	0.20	0.047	ppbv		4.5 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.25 J	0.20	0.058	ppbv		0.74 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.32	0.20	0.020	ppbv		1.2	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.13	0.20	0.032	ppbv	J	0.56	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.13	0.20	0.019	ppbv	J	0.56	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA002-140127-01		
Lab Sample ID:	JB58857-11	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A852	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45650.D	1.48	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	592 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.034	ppbv		6.2	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.23	0.20	0.021	ppbv		0.73	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.20	0.034	ppbv		1.3	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.015	ppbv		2.7	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P009-IA002-140127-01		
Lab Sample ID:	JB58857-11	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A852	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	24.0	0.50	0.19	ppbv		45.2	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.79	0.20	0.057	ppbv		2.8	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.30 J	0.20	0.021	ppbv		2.3 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.32	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.0	0.20	0.039	ppbv		4.9	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.2 J	0.20	0.047	ppbv		4.2 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.16 J	0.20	0.058	ppbv	J	0.47 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.33	0.20	0.020	ppbv		1.2	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.014	ppbv		1.5	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.032	ppbv	J	0.61	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.019	ppbv	J	0.61	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA003-140127-01		
Lab Sample ID:	JB58857-12	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A447	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38719.D	1.52	02/01/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	608 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	4.7	0.20	0.034	ppbv		11	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.39	0.20	0.021	ppbv		1.2	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	0.22	0.20	0.017	ppbv		0.69	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.25	0.20	0.019	ppbv		1.2	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.20	0.034	ppbv		1.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.011	ppbv	J	0.75	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	0.20	0.015	ppbv		2.7	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA003-140127-01		
Lab Sample ID:	JB58857-12	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A447	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	39.7	0.50	0.19	ppbv		74.8	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.057	ppbv		5.8	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.41	0.20	0.021	ppbv		3.1	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.35	0.20	0.016	ppbv		1.2	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.1	0.20	0.039	ppbv		13	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.20	0.047	ppbv		3.8	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.35	0.20	0.058	ppbv		1.0	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.12	0.20	0.017	ppbv	J	0.59	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.52	0.20	0.020	ppbv		2.0	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	0.20	0.014	ppbv		1.9	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.032	ppbv		1.0	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.23	0.20	0.019	ppbv		1.0	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-IA004-140127-01		
Lab Sample ID:	JB58857-13	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A246	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38720.D	1.6	02/01/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	640 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	10.5	0.20	0.034	ppbv		24.9	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	1.9	0.20	0.021	ppbv		6.1	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.56	0.20	0.019	ppbv		2.7	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.69	0.20	0.034	ppbv		1.4	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	0.011	ppbv	J	0.63	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.16	0.20	0.016	ppbv	J	0.65	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.13 4

Client Sample ID:	P009-IA004-140127-01		
Lab Sample ID:	JB58857-13	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A246	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	175 J	0.50	0.19	ppbv	E	330 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.12	0.20	0.020	ppbv	J	0.52	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.057	ppbv		6.5	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.71	0.20	0.021	ppbv		5.4	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.020	ppbv	J	0.53	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.73	0.20	0.016	ppbv		2.6	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.3	0.20	0.039	ppbv		8.1	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	2.4	0.20	0.047	ppbv		8.3	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.59	0.20	0.058	ppbv		1.7	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	3.7	0.50	0.031	ppbv		6.4	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.017	ppbv	J	0.74	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.74	0.20	0.020	ppbv		2.8	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.39	0.20	0.014	ppbv		2.2	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.33	0.20	0.032	ppbv		1.4	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.019	ppbv	J	0.52	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.45	0.20	0.019	ppbv		2.0	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-SG001-140127-01		
Lab Sample ID:	JB58857-14	Date Sampled:	01/28/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A865	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38721.D	1	02/02/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.034	ppbv		6.2	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.30	0.20	0.019	ppbv		1.5	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.64	0.20	0.011	ppbv		4.0	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	0.015	ppbv		2.6	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P009-SG001-140127-01		
Lab Sample ID:	JB58857-14	Date Sampled:	01/28/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A865	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.19	ppbv		ND	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.70	0.20	0.057	ppbv		2.5	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.73	0.20	0.021	ppbv		5.6	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.54	0.20	0.016	ppbv		1.9	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.039	ppbv		ND	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	2.2	0.20	0.047	ppbv		7.6	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.058	ppbv		ND	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.3	0.20	0.016	ppbv		7.1	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.15	0.20	0.044	ppbv	J	0.45	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.7	0.040	0.029	ppbv		12	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.18	0.20	0.020	ppbv	J	0.68	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.16	0.040	0.019	ppbv		0.86	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.39	0.20	0.014	ppbv		2.2	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.032	ppbv		1.0	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.23	0.20	0.019	ppbv		1.0	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P009-SG002-140127-01		
Lab Sample ID:	JB58857-15	Date Sampled:	01/28/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A656	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38722.D	1.55	02/02/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	620 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	1.6	0.20	0.034	ppbv		3.8	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.54	0.20	0.019	ppbv		2.6	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	2.3	0.20	0.011	ppbv		14	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12	0.20	0.028	ppbv	J	0.48	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P009-SG002-140127-01		
Lab Sample ID:	JB58857-15	Date Sampled:	01/28/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A656	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.2	0.50	0.19	ppbv		2.3	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.057	ppbv		4.3	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.44	0.20	0.021	ppbv		3.4	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.31	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.039	ppbv		5.9	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.20	0.047	ppbv		3.8	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.11	0.20	0.058	ppbv	J	0.32	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.69	0.20	0.016	ppbv		3.8	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.15	0.20	0.044	ppbv	J	0.45	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.92	0.040	0.029	ppbv		6.2	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.14	0.20	0.020	ppbv	J	0.53	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.92	0.040	0.019	ppbv		4.9	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.38	0.20	0.014	ppbv		2.1	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.032	ppbv	J	0.61	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.019	ppbv	J	0.61	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P010-IA001-140129-01		
Lab Sample ID:	JB58857-16	Date Sampled:	01/30/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1181	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38723.D	2.29	02/02/14	YMH	n/a	n/a	V3W1475
Run #2	W45680.D	2.29	02/03/14	DFT	n/a	n/a	VW1825

	Initial Volume
Run #1	800 ml
Run #2	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	7.2	0.23	0.039	ppbv		17	0.55	0.093	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.23	0.022	ppbv		ND	0.51	0.049	ug/m3
71-43-2	78.11	Benzene	0.29	0.23	0.024	ppbv		0.93	0.73	0.077	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.23	0.028	ppbv		ND	1.5	0.19	ug/m3
75-25-2	252.8	Bromoform	ND	0.23	0.025	ppbv		ND	2.4	0.26	ug/m3
74-83-9	94.94	Bromomethane	ND	0.23	0.020	ppbv		ND	0.89	0.078	ug/m3
593-60-2	106.9	Bromoethene	ND	0.23	0.016	ppbv		ND	1.0	0.070	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.23	0.028	ppbv		ND	1.2	0.14	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.23	0.020	ppbv		ND	0.72	0.062	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.23	0.029	ppbv		ND	1.1	0.13	ug/m3
75-00-3	64.52	Chloroethane	ND	0.23	0.023	ppbv		ND	0.61	0.061	ug/m3
67-66-3	119.4	Chloroform	ND	0.23	0.021	ppbv		ND	1.1	0.10	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.23	0.038	ppbv		1.1	0.47	0.078	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.23	0.031	ppbv		ND	0.72	0.097	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.23	0.023	ppbv		ND	1.2	0.12	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.23	0.013	ppbv	J	0.75	1.4	0.082	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.23	0.067	ppbv		ND	0.79	0.23	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.23	0.019	ppbv		ND	0.93	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.23	0.024	ppbv		ND	0.91	0.095	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.23	0.031	ppbv		ND	1.8	0.24	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.23	0.019	ppbv		ND	0.93	0.077	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.23	0.046	ppbv		ND	1.1	0.21	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.23	0.069	ppbv		ND	0.83	0.25	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.65	0.23	0.018	ppbv		3.2	1.1	0.089	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.23	0.033	ppbv		ND	2.0	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.23	0.017	ppbv		ND	0.91	0.067	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.23	0.032	ppbv		ND	0.91	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.23	0.021	ppbv		ND	1.0	0.095	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.23	0.028	ppbv		ND	1.4	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.23	0.034	ppbv		ND	1.4	0.20	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.23	0.025	ppbv		ND	1.4	0.15	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.23	0.024	ppbv		ND	1.0	0.11	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P010-IA001-140129-01		
Lab Sample ID:	JB58857-16	Date Sampled:	01/30/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1181	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	17.0	0.57	0.21	ppbv		32.0	1.1	0.40	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.23	0.023	ppbv		ND	1.0	0.10	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.23	0.065	ppbv		ND	0.83	0.23	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.23	0.017	ppbv		ND	1.1	0.084	ug/m3
76-13-1	187.4	Freon 113	20.9	0.23	0.024	ppbv		160	1.8	0.18	ug/m3
76-14-2	170.9	Freon 114	ND	0.23	0.024	ppbv		ND	1.6	0.17	ug/m3
142-82-5	100.2	Heptane	ND	0.23	0.022	ppbv		ND	0.94	0.090	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.23	0.072	ppbv		ND	2.5	0.77	ug/m3
110-54-3	86.17	Hexane	10.4	0.23	0.018	ppbv		36.7	0.81	0.063	ug/m3
591-78-6	100	2-Hexanone	ND	0.23	0.028	ppbv		ND	0.94	0.11	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.23	0.044	ppbv		2.7	0.57	0.11	ug/m3
75-09-2	84.94	Methylene chloride	66.1 [a]	0.46	0.11	ppbv		230 [a]	1.6	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.33	0.23	0.067	ppbv		0.97	0.68	0.20	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.23	0.034	ppbv		ND	0.94	0.14	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.23	0.020	ppbv		ND	0.83	0.072	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.23	0.046	ppbv		ND	0.94	0.19	ug/m3
115-07-1	42	Propylene	ND	0.57	0.036	ppbv		ND	0.98	0.062	ug/m3
100-42-5	104.1	Styrene	ND	0.23	0.023	ppbv		ND	0.98	0.098	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.23	0.019	ppbv		ND	1.3	0.10	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.23	0.035	ppbv		ND	1.6	0.24	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.23	0.035	ppbv		ND	1.3	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.23	0.090	ppbv		ND J	1.7	0.67	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.23	0.019	ppbv		ND	1.1	0.093	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.23	0.017	ppbv		ND	1.1	0.084	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.23	0.024	ppbv		ND	1.1	0.11	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.23	0.050	ppbv		ND	0.70	0.15	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.046	0.033	ppbv		ND	0.31	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.23	0.051	ppbv		ND	0.68	0.15	ug/m3
108-88-3	92.14	Toluene	0.46	0.23	0.023	ppbv		1.7	0.87	0.087	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.046	0.022	ppbv		ND	0.25	0.12	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.23	0.016	ppbv		6.2	1.3	0.090	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.23	0.020	ppbv		ND	0.59	0.051	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.23	0.067	ppbv		ND	0.81	0.24	ug/m3
	106.2	m,p-Xylene	0.26	0.23	0.037	ppbv		1.1	1.0	0.16	ug/m3
95-47-6	106.2	o-Xylene	ND	0.23	0.022	ppbv		ND	1.0	0.096	ug/m3
1330-20-7	106.2	Xylenes (total)	0.26	0.23	0.022	ppbv		1.1	1.0	0.096	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%	86%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P010-IA001-140129-01		
Lab Sample ID:	JB58857-16	Date Sampled:	01/30/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1181	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P010-IA002-140129-01		
Lab Sample ID:	JB58857-17	Date Sampled:	01/30/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A237	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38681.D	1	01/31/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	11.5	0.20	0.034	ppbv		27.3	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.021	ppbv		0.70	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.19	0.20	0.034	ppbv	J	0.39	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16	0.20	0.011	ppbv	J	1.0	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.015	ppbv		2.2	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P010-IA002-140129-01		
Lab Sample ID:	JB58857-17	Date Sampled:	01/30/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A237	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.0	0.50	0.19	ppbv		13	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.82	0.20	0.057	ppbv		3.0	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.30	0.20	0.021	ppbv		2.3	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.47	0.20	0.016	ppbv		1.7	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	12.3	0.20	0.039	ppbv		30.2	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.95	0.20	0.047	ppbv		3.3	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.73	0.20	0.058	ppbv		2.2	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.20	0.021	ppbv	J	0.56	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.27	0.20	0.044	ppbv		0.82	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.10	0.040	0.029	ppbv		0.68	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.25	0.20	0.045	ppbv		0.74	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.22	0.20	0.020	ppbv		0.83	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.13	0.040	0.019	ppbv		0.70	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.35	0.20	0.014	ppbv		2.0	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.032	ppbv		ND	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P010-SG001-140129-01		
Lab Sample ID:	JB58857-18	Date Sampled:	01/30/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A378	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40294.D	1	01/31/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	9.2	0.20	0.034	ppbv		22	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	1.2	0.20	0.019	ppbv		5.9	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	3.1	0.20	0.011	ppbv		20	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.40	0.20	0.015	ppbv		2.0	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P010-SG001-140129-01		
Lab Sample ID:	JB58857-18	Date Sampled:	01/30/14
Matrix:	AIR - Soil Vapor Comp. Summa ID: A378	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	0.97	0.50	0.19	ppbv		1.8	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.020	ppbv		1.0	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.057	ppbv		4.7	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.20	0.20	0.021	ppbv		1.5	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.016	ppbv	J	0.42	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.039	ppbv		2.7	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.46	0.20	0.047	ppbv		1.6	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.40	0.20	0.058	ppbv		1.2	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.23	0.20	0.016	ppbv		1.3	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.1	0.040	0.029	ppbv		7.5	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.020	ppbv		0.75	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	4.4	0.040	0.019	ppbv		24	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	1.2	0.20	0.032	ppbv		5.2	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.33	0.20	0.019	ppbv		1.4	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	1.6	0.20	0.019	ppbv		6.9	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P011-IA001-140127-01		
Lab Sample ID:	JB58857-19	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A831	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40295.D	1.52	01/31/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	608 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	4.0	0.20	0.034	ppbv		9.5	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.021	ppbv	J	0.48	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.34	0.20	0.034	ppbv		0.70	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.31	0.20	0.015	ppbv		1.5	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P011-IA001-140127-01		
Lab Sample ID:	JB58857-19	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A831	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	10.1	0.50	0.19	ppbv		19.0	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.070	0.20	0.020	ppbv	J	0.30	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.057	ppbv		4.7	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.21	0.20	0.021	ppbv		1.6	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.22	0.20	0.016	ppbv		0.78	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.1	0.20	0.039	ppbv		10	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.90	0.20	0.047	ppbv		3.1	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.20	0.058	ppbv		4.1	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.80	0.20	0.045	ppbv		2.4	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.30	0.20	0.020	ppbv		1.1	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.18	0.20	0.014	ppbv	J	1.0	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.032	ppbv		1.0	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.086	0.20	0.019	ppbv	J	0.37	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.32	0.20	0.019	ppbv		1.4	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	P011-IA002-140127-01		
Lab Sample ID:	JB58857-20	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1179	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40340.D	1.58	02/04/14	YMH	n/a	n/a	V2W1684
Run #2							

	Initial Volume
Run #1	632 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	8.7	0.20	0.034	ppbv		21	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.11	0.20	0.019	ppbv	J	0.54	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.43	0.20	0.034	ppbv		0.89	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	0.10	0.20	0.058	ppbv	J	0.34	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.40	0.20	0.015	ppbv		2.0	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P011-IA002-140127-01		
Lab Sample ID:	JB58857-20	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A1179	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	95.7 J	0.50	0.19	ppbv	E	180 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.86	0.20	0.057	ppbv		3.1	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.34	0.20	0.021	ppbv		2.6	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.21	0.20	0.016	ppbv		0.74	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.2	0.20	0.039	ppbv		13	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.96	0.20	0.047	ppbv		3.3	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.57	0.20	0.058	ppbv		1.7	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.25	0.20	0.045	ppbv		0.74	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.35	0.20	0.020	ppbv		1.3	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.032	ppbv		0.96	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.019	ppbv		0.96	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P011-IA003-140127-01		
Lab Sample ID:	JB58857-21	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A220	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40298.D	1.58	01/31/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	632 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	8.9	0.20	0.034	ppbv		21	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.21	0.20	0.021	ppbv		0.67	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.019	ppbv	J	0.83	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.034	ppbv		1.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	0.11	0.20	0.058	ppbv	J	0.38	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.015	ppbv		2.1	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.21

4

Client Sample ID:	P011-IA003-140127-01		
Lab Sample ID:	JB58857-21	Date Sampled:	01/28/14
Matrix:	AIR - Indoor Air Comp. Summa ID: A220	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	87.7 J	0.50	0.19	ppbv	E	165 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	2.7	0.20	0.057	ppbv		9.7	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.31	0.20	0.021	ppbv		2.4	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.27	0.20	0.016	ppbv		0.95	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.4	0.20	0.039	ppbv		13	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.20	0.047	ppbv		4.2	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.77	0.20	0.058	ppbv		2.3	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.13	0.20	0.045	ppbv	J	0.38	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.50	0.20	0.020	ppbv		1.9	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.36	0.20	0.032	ppbv		1.6	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.10	0.20	0.019	ppbv	J	0.43	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.46	0.20	0.019	ppbv		2.0	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P011-SG001-140127-01		
Lab Sample ID:	JB58857-22	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A238	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W38725.D	1	02/02/14	YMH	n/a	n/a	V3W1475
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	34.8	0.20	0.034	ppbv		82.7	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	0.15	0.20	0.017	ppbv	J	0.47	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	2.1	0.20	0.019	ppbv		10	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.27	0.20	0.034	ppbv		0.56	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.8	0.20	0.011	ppbv		11	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.32	0.20	0.015	ppbv		1.6	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.22 4

Client Sample ID:	P011-SG001-140127-01		
Lab Sample ID:	JB58857-22	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A238	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.7	0.50	0.19	ppbv		8.9	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.020	ppbv	J	0.61	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	5.4	0.20	0.057	ppbv		19	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	1.0	0.20	0.021	ppbv		7.7	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.17	0.20	0.020	ppbv	J	0.70	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.86	0.20	0.016	ppbv		3.0	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	11.9	0.20	0.039	ppbv		29.3	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	3.4	0.20	0.047	ppbv		12	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.0	0.20	0.058	ppbv		5.9	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	2.8	0.20	0.016	ppbv		15	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.20	0.20	0.017	ppbv		0.98	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.61	0.20	0.044	ppbv		1.8	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	5.2	0.040	0.029	ppbv		35	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.12	0.20	0.045	ppbv	J	0.35	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.43	0.20	0.020	ppbv		1.6	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	15.9	0.040	0.019	ppbv		85.5	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.37	0.20	0.014	ppbv		2.1	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.032	ppbv		4.3	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.23	0.20	0.019	ppbv		1.0	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.019	ppbv		5.6	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.23

4

Client Sample ID:	P017-IA001-140127-01		
Lab Sample ID:	JB58857-23	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A196	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40341.D	1.58	02/04/14	YMH	n/a	n/a	V2W1684
Run #2							

	Initial Volume
Run #1	632 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	6.0	0.20	0.034	ppbv		14	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.034	ppbv		0.99	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.41	0.20	0.015	ppbv		2.0	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P017-IA001-140127-01		
Lab Sample ID:	JB58857-23	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A196	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	136 J	0.50	0.19	ppbv	E	256 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.057	ppbv		8.3	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.48	0.20	0.021	ppbv		3.7	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.32	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.4	0.20	0.039	ppbv		11	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.5	0.20	0.047	ppbv		5.2	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.42	0.20	0.058	ppbv		1.2	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.10	0.20	0.045	ppbv	J	0.29	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.33	0.20	0.020	ppbv		1.2	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.032	ppbv	J	0.61	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.019	ppbv	J	0.61	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	69%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P017-IA002-140127-01		
Lab Sample ID:	JB58857-24	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A281	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40301.D	1	02/01/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.4	0.20	0.034	ppbv		5.7	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.021	ppbv		0.64	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.47	0.20	0.034	ppbv		0.97	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.015	ppbv		1.9	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P017-IA002-140127-01		
Lab Sample ID:	JB58857-24	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A281	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	28.1	0.50	0.19	ppbv		52.9	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.057	ppbv		5.8	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.20	0.20	0.021	ppbv		1.5	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.15	0.20	0.016	ppbv	J	0.53	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.8	0.20	0.039	ppbv		9.3	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.58	0.20	0.047	ppbv		2.0	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.20	0.20	0.058	ppbv		0.59	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.020	ppbv		2.3	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.014	ppbv		1.5	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.032	ppbv	J	0.74	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.019	ppbv	J	0.74	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	68%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.25

4

Client Sample ID:	P017-IA003-140127-01		
Lab Sample ID:	JB58857-25	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A670	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40302.D	1.48	02/01/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	592 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	15.3	0.20	0.034	ppbv		36.3	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.019	ppbv	J	0.59	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.034	ppbv		1.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.015	ppbv		1.9	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	P017-IA003-140127-01		
Lab Sample ID:	JB58857-25	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A670	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	151 J	0.50	0.19	ppbv	E	285 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.69	0.20	0.057	ppbv		2.5	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.26	0.20	0.021	ppbv		2.0	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.22	0.20	0.016	ppbv		0.78	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.6	0.20	0.039	ppbv		11	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.81	0.20	0.047	ppbv		2.8	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.2	0.20	0.058	ppbv		3.5	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.47	0.20	0.020	ppbv		1.8	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.014	ppbv		1.3	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.032	ppbv		0.96	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.019	ppbv		0.96	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P017-SG001-140127-01		
Lab Sample ID:	JB58857-26	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A309	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40303.D	1.8	02/01/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	720 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	9.8	0.20	0.034	ppbv		23	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.40	0.20	0.011	ppbv		2.5	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.38	0.20	0.015	ppbv		1.9	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.26 4

Client Sample ID:	P017-SG001-140127-01		
Lab Sample ID:	JB58857-26	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A309	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	8.4	0.50	0.19	ppbv		16	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.93	0.20	0.057	ppbv		3.3	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.32	0.20	0.021	ppbv		2.5	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.22	0.20	0.016	ppbv		0.78	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.7	0.20	0.039	ppbv		6.6	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.20	0.047	ppbv		3.8	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.31	0.20	0.058	ppbv		0.91	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.080	0.040	0.029	ppbv		0.54	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.11	0.20	0.020	ppbv	J	0.41	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.5	0.20	0.014	ppbv		14	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.032	ppbv		ND	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P017-SG002-140127-01		
Lab Sample ID:	JB58857-27	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A330	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40304.D	1	02/01/14	YMH	n/a	n/a	V2W1683
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	13.1	0.20	0.034	ppbv		31.1	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.24	0.20	0.019	ppbv		1.2	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.12	0.20	0.034	ppbv	J	0.25	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.36	0.20	0.015	ppbv		1.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P017-SG002-140127-01		
Lab Sample ID:	JB58857-27	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A330	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.6	0.50	0.19	ppbv		4.9	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	1.9	0.20	0.021	ppbv		15	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.14	0.20	0.016	ppbv	J	0.49	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.039	ppbv		2.7	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	13.0	0.20	0.047	ppbv		45.2	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.54	0.20	0.058	ppbv		1.6	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.020	ppbv		ND	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.014	ppbv		1.6	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.032	ppbv		ND	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	71%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P018-IA001-140128-01		
Lab Sample ID:	JB58857-28	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A754	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40305.D	1.52	02/01/14	YMH	n/a	n/a	V2W1683
Run #2	2W40319.D	1.52	02/01/14	YMH	n/a	n/a	V2W1683

	Initial Volume
Run #1	608 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	197 [a]	1.2	0.21	ppbv		468 [a]	2.9	0.50	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.25	0.20	0.021	ppbv		0.80	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.49	0.20	0.019	ppbv		2.4	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.034	ppbv		1.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.41	0.20	0.015	ppbv		2.0	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P018-IA001-140128-01		
Lab Sample ID:	JB58857-28	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A754	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	439 [a] J	3.0	1.1	ppbv	E	827 [a] J	5.7	2.1	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.9	0.20	0.057	ppbv		6.8	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.33	0.20	0.021	ppbv		2.5	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.24	0.20	0.016	ppbv		0.85	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.9	0.20	0.039	ppbv		7.1	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.95	0.20	0.047	ppbv		3.3	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.6	0.20	0.058	ppbv		4.7	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.85	0.20	0.045	ppbv		2.5	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.55	0.20	0.020	ppbv		2.1	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.014	ppbv		2.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.032	ppbv	J	0.61	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.019	ppbv	J	0.61	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%	78%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P018-IA001-140128-01		
Lab Sample ID:	JB58857-28	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A754	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P018-IA002-140128-01		
Lab Sample ID:	JB58857-29	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A751	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40306.D	1.7	02/01/14	YMH	n/a	n/a	V2W1683
Run #2	2W40320.D	1.7	02/01/14	YMH	n/a	n/a	V2W1683

	Initial Volume
Run #1	680 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	184 [a]	1.4	0.23	ppbv		437 [a]	3.3	0.55	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.28	0.20	0.021	ppbv		0.89	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.47	0.20	0.019	ppbv		2.3	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.50	0.20	0.034	ppbv		1.0	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.015	ppbv		2.1	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P018-IA002-140128-01		
Lab Sample ID:	JB58857-29	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A751	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	463 [a] J	3.4	1.3	ppbv	E	872 [a] J	6.4	2.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.4	0.20	0.057	ppbv		5.0	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.36	0.20	0.021	ppbv		2.8	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.020	ppbv	J	0.41	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.31	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.6	0.20	0.039	ppbv		8.8	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.0	0.20	0.047	ppbv		3.5	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.4	0.20	0.058	ppbv		7.1	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.3	0.20	0.045	ppbv		3.8	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.59	0.20	0.020	ppbv		2.2	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.44	0.20	0.014	ppbv		2.5	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.032	ppbv		1.0	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.23	0.20	0.019	ppbv		1.0	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%	70%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P018-IA002-140128-01		
Lab Sample ID:	JB58857-29	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A751	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P018-IA003-140128-01		
Lab Sample ID:	JB58857-30	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A1002	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W40307.D	1	02/01/14	YMH	n/a	n/a	V2W1683
Run #2	2W40321.D	1	02/01/14	YMH	n/a	n/a	V2W1683

	Initial Volume
Run #1	400 ml
Run #2	50.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	228 [a]	1.6	0.27	ppbv		542 [a]	3.8	0.64	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.28	0.20	0.021	ppbv		0.89	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.53	0.20	0.019	ppbv		2.6	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.034	ppbv		1.1	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.015	ppbv		2.1	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	P018-IA003-140128-01		
Lab Sample ID:	JB58857-30	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A1002	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	540 [a]	4.0	1.5	ppbv	E	1020 [a]	7.5	2.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	0.70	0.20	0.057	ppbv		2.5	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.49	0.20	0.021	ppbv		3.8	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.14	0.20	0.020	ppbv	J	0.57	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.28	0.20	0.016	ppbv		0.99	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.4	0.20	0.039	ppbv		16	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.85	0.20	0.047	ppbv		3.0	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.20	0.058	ppbv		3.8	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.079	ppbv		ND	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.15	0.20	0.044	ppbv	J	0.45	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.56	0.20	0.045	ppbv		1.7	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.59	0.20	0.020	ppbv		2.2	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	0.20	0.014	ppbv		1.9	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.19	0.20	0.032	ppbv	J	0.83	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.19	0.20	0.019	ppbv	J	0.83	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%	75%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P018-IA003-140128-01		
Lab Sample ID:	JB58857-30	Date Sampled:	01/28/14
Matrix:	AIR - Air Summa ID: A1002	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

4.31 4

Client Sample ID:	P018-SG001-140128-01		
Lab Sample ID:	JB58857-31	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A853	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45651.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	21.2	0.20	0.034	ppbv		50.4	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.63	0.20	0.019	ppbv		3.1	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.9	0.20	0.011	ppbv		12	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P018-SG001-140128-01		
Lab Sample ID:	JB58857-31	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A853	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	14.4	0.50	0.19	ppbv		27.1	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.057	ppbv		4.3	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	1.4 J	0.20	0.021	ppbv		11 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	1.3	0.20	0.016	ppbv		4.6	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.1	0.20	0.039	ppbv		15	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	3.7 J	0.20	0.047	ppbv		13 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.40 J	0.20	0.058	ppbv		1.2 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.26	0.040	0.029	ppbv		1.8	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.19	0.20	0.020	ppbv	J	0.72	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.81	0.040	0.019	ppbv		4.4	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	0.20	0.014	ppbv		1.9	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.032	ppbv	J	0.48	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.019	ppbv	J	0.48	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P018-SG002-140128-01		
Lab Sample ID:	JB58857-32	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A271	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45652.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	11.8	0.20	0.034	ppbv		28.0	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.24	0.20	0.019	ppbv		1.2	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.43	0.20	0.034	ppbv		0.89	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.7	0.20	0.011	ppbv		11	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	P018-SG002-140128-01		
Lab Sample ID:	JB58857-32	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A271	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	9.4	0.50	0.19	ppbv		18	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.27 J	0.20	0.021	ppbv		2.1 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.30	0.20	0.016	ppbv		1.1	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.3	0.20	0.039	ppbv		11	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.53 J	0.20	0.047	ppbv		1.8 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.7 J	0.20	0.058	ppbv		17 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.095	0.040	0.029	ppbv		0.64	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	3.5	0.20	0.045	ppbv		10	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.25	0.20	0.020	ppbv		0.94	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	0.36	0.040	0.019	ppbv		1.9	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.20	0.014	ppbv		1.6	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.032	ppbv	J	0.61	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.019	ppbv	J	0.61	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P020-IA001-140128-01		
Lab Sample ID:	JB58857-33	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A274	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45653.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.034	ppbv		9.0	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.39	0.20	0.021	ppbv		1.2	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.019	ppbv		ND	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.77	0.20	0.034	ppbv		1.6	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.015	ppbv		3.2	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.33 4

Client Sample ID:	P020-IA001-140128-01		
Lab Sample ID:	JB58857-33	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A274	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	33.2	0.50	0.19	ppbv		62.6	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.020	ppbv	J	0.61	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	6.0	0.20	0.057	ppbv		22	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.25 J	0.20	0.021	ppbv		1.9 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.020	ppbv	J	0.74	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	3.3	0.20	0.016	ppbv		12	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.7	0.20	0.039	ppbv		9.1	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	1.1 J	0.20	0.047	ppbv		3.8 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.48 J	0.20	0.058	ppbv		1.4 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	1.0	0.20	0.020	ppbv		3.8	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.47	0.20	0.014	ppbv		2.6	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.44	0.20	0.032	ppbv		1.9	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.019	ppbv	J	0.74	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.61	0.20	0.019	ppbv		2.6	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P020-IA002-140128-01		
Lab Sample ID:	JB58857-34	Date Sampled:	01/30/14
Matrix:	AIR - Air Summa ID: A891	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45654.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.034	ppbv		9.0	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	0.29	0.20	0.021	ppbv		0.93	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.019	ppbv	J	0.59	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.034	ppbv		1.4	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.011	ppbv		ND	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.015	ppbv		2.8	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.34

4

Client Sample ID:	P020-IA002-140128-01		
Lab Sample ID:	JB58857-34	Date Sampled:	01/30/14
Matrix:	AIR - Air Summa ID: A891	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	96.5 J	0.50	0.19	ppbv	E	182 J	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.057	ppbv		6.1	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.34 J	0.20	0.021	ppbv		2.6 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	0.17	0.20	0.020	ppbv	J	0.70	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.42	0.20	0.016	ppbv		1.5	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.20	0.039	ppbv		3.9	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.69 J	0.20	0.047	ppbv		2.4 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.30 J	0.20	0.058	ppbv		0.88 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.029	ppbv		ND	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.54	0.20	0.020	ppbv		2.0	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.014	ppbv		1.4	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.032	ppbv		0.96	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.019	ppbv		0.96	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	P020-SG001-140128-01		
Lab Sample ID:	JB58857-35	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A250	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W45655.D	1	02/01/14	DFT	n/a	n/a	VW1824
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	10.7	0.20	0.034	ppbv		25.4	0.48	0.081	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.020	ppbv		ND	0.44	0.044	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	0.17	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	0.23	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.017	ppbv		ND	0.78	0.066	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.014	ppbv		ND	0.87	0.061	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.017	ppbv		ND	0.62	0.053	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.025	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.020	ppbv		ND	0.53	0.053	ug/m3
67-66-3	119.4	Chloroform	1.1	0.20	0.019	ppbv		5.4	0.98	0.093	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.034	ppbv		ND	0.41	0.070	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.028	ppbv		ND	0.63	0.088	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.020	ppbv		ND	1.0	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	1.6	0.20	0.011	ppbv		10	1.3	0.069	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.058	ppbv		ND	0.69	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	0.21	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.016	ppbv		ND	0.81	0.065	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.060	ppbv		ND	0.72	0.22	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.58	0.20	0.015	ppbv		2.9	0.99	0.074	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.029	ppbv		ND	1.7	0.25	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.015	ppbv		ND	0.79	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	0.086	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	0.15	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.029	ppbv		ND	1.2	0.17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	0.13	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.021	ppbv		ND	0.91	0.095	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

4.35 4

Client Sample ID:	P020-SG001-140128-01		
Lab Sample ID:	JB58857-35	Date Sampled:	01/29/14
Matrix:	AIR - Air Summa ID: A250	Date Received:	01/30/14
Method:	TO-15	Percent Solids:	n/a
Project:	Case# 276		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.3	0.50	0.19	ppbv		4.3	0.94	0.36	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.020	ppbv		ND	0.87	0.087	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.057	ppbv		ND	0.72	0.21	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
76-13-1	187.4	Freon 113	0.28 J	0.20	0.021	ppbv		2.1 J	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.021	ppbv		ND	1.4	0.15	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.063	ppbv		ND	2.1	0.67	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.016	ppbv	J	0.63	0.70	0.056	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.025	ppbv		ND	0.82	0.10	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.1	0.20	0.039	ppbv		13	0.49	0.096	ug/m3
75-09-2	84.94	Methylene chloride	0.42 J	0.20	0.047	ppbv		1.5 J	0.69	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45 J	0.20	0.058	ppbv		1.3 J	0.59	0.17	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.029	ppbv		ND	0.82	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.017	ppbv		ND	0.72	0.061	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.031	ppbv		ND	0.86	0.053	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.020	ppbv		ND	0.85	0.085	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.016	ppbv		ND	1.1	0.087	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	0.21	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.031	ppbv		ND	1.1	0.17	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND J	0.20	0.079	ppbv		ND J	1.5	0.59	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	0.098	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.044	ppbv		ND	0.61	0.13	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.26	0.040	0.029	ppbv		1.8	0.27	0.20	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.020	ppbv		ND	0.75	0.075	ug/m3
79-01-6	131.4	Trichloroethylene	2.9	0.040	0.019	ppbv		16	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.33	0.20	0.014	ppbv		1.9	1.1	0.079	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.017	ppbv		ND	0.51	0.043	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.058	ppbv		ND	0.70	0.20	ug/m3
	106.2	m,p-Xylene	0.12	0.20	0.032	ppbv	J	0.52	0.87	0.14	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.019	ppbv		ND	0.87	0.083	ug/m3
1330-20-7	106.2	Xylenes (total)	0.12	0.20	0.019	ppbv	J	0.52	0.87	0.083	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2013 MDL Study - Method: TO-15

USEPA
Date Shipped: 1/30/14
CarrierName: Hand delivered
PO#: 0084699

CHAIN OF CUSTODY RECORD
Case #: 276
Contact Name: Aleksandra Mallon
Contact Phone: 732-570-4997

No: 2-013014-125010-0030
No. of Boxes: 7
Lab: Accutest
Lab Phone: 732- 329-0200

A:R

JB58857

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
1	P006-IA001-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1186	04875	-30	-13	1/28/2014	9:44:00 AM	1/29/2014	9:13:00 AM
2	P006-IA002-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1061	04825	-30	-7	1/28/2014	9:50:00 AM	1/29/2014	9:16:00 AM
3	P006-IA003-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1005	05841	-30	-9	1/28/2014	9:55:00 AM	1/29/2014	9:18:00 AM
4	P006-IA004-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A204	05393	-30	-8	1/28/2014	9:58:00 AM	1/29/2014	9:20:00 AM
5	P006-SG001-140128-01	VOC,TO-15 (SCAN)	Soil Gas	1	Summa Canister	A1001	04807	-30	-8	1/28/2014	9:43:00 AM	1/29/2014	9:12:00 AM
6	P006-SG002-140128-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A632	05390	-29	-7	1/28/2014	9:49:00 AM	1/29/2014	9:15:00 AM
7	P009-AA001-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A848	05389	-29	-1	1/27/2014	1:55:00 PM	1/28/2014	1:05:00 PM
8	P009-AA001-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1082	05384	-30	-6	1/28/2014	1:03:00 PM	1/29/2014	12:11:00 PM
9	P009-AA001-140129-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A074	04807	-30	-7	1/29/2014	12:10:00 PM	1/30/2014	11:30:00 AM
10	P009-IA001-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1083	05391	-29	-8	1/27/2014	12:18:00 PM	1/28/2014	11:32:00 AM

SUMMA

Special Instructions: Preliminary data 7 day TAT and 21 days TAT for validated data. Please send results to S.Sumbaly@westonsolutions.com and Aleksandra.Mallon@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all samples	A. Mallon (Weston)	1/30/14 1630	Jane Ruz	1/30/14 1705	

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JB58857: Chain of Custody
Page 1 of 7

USEPA
Date Shipped: 1/30/14
CarrierName: Hand delivered
PO#: 0084699

CHAIN OF CUSTODY RECORD
Case #: 276
Contact Name: Aleksandra Mallon
Contact Phone: 732-570-4997

No: 2-013014-125010-0030
No. of Boxes: 7
Lab: Accutest
Lab Phone: 732- 329-0200

JB58857

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
11	P009-IA002-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A852	05752	-29	-9	1/27/2014	12:27:00 PM	1/28/2014	11:35:00 AM
12	P009-IA003-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A447	05392	-28.5	-10	1/27/2014	12:30:00 PM	1/28/2014	11:29:00 AM
13	P009-IA004-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A246	05385	-29	-11	1/27/2014	12:34:00 PM	1/28/2014	11:37:00 AM
14	P009-SG001-140127-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A865	03015	-30	-9	1/27/2014	12:16:00 PM	1/28/2014	11:31:00 AM
15	P009-SG002-140127-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A656	04919	-30	-12	1/27/2014	12:26:00 PM	1/28/2014	11:34:00 AM
16	P010-IA001-140129-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1181	05764	-30	-5	1/29/2014	10:01:00 AM	1/30/2014	9:28:00 AM
17	P010-IA002-140129-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A237	02578	-30	-6	1/29/2014	10:08:00 AM	1/30/2014	9:31:00 AM
18	P010-SG001-140129-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A378	02538	-30	-7	1/29/2014	10:00:00 AM	1/30/2014	9:27:00 AM
19	P011-IA001-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A831	05376	-29	-8	1/27/2014	5:20:00 PM	1/28/2014	4:26:00 PM
20	P011-IA002-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A1179	05785	-30	-10	1/27/2014	5:28:00 PM	1/28/2014	4:24:00 PM

Special Instructions: Preliminary data 7 day TAT and 21 days TAT for validated data. Please send results to S.Sumbaly@westonsolutions.com and Aleksandra.Mallon@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all samples	A. Mallon (Weston)	1/30/14 1650	[illegible]	1/30/14 1705	

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JB58857: Chain of Custody
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USEPA
Date Shipped: 1/30/14
CarrierName: Hand delivered
PO#: 0084699

CHAIN OF CUSTODY RECORD
Case #: 276
Contact Name: Aleksandra Mallon
Contact Phone: 732-570-4997

No: 2-013014-125010-0030
No. of Boxes: 7
Lab: Accutest
Lab Phone: 732- 329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
21	P011-IA003-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A220	05388	-30	-10	1/27/2014	5:37:00 PM	1/28/2014	5:02:00 PM
22	P011-SG001-140127-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A238	04867	-30	-12	1/27/2014	5:19:00 PM	1/28/2014	4:28:00 PM
23	P017-IA001-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A196	05846	-30	-10.5	1/27/2014	4:30:00 PM	1/28/2014	3:30:00 PM
24	P017-IA002-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A201	03018	-30	-1	1/27/2014	4:41:00 PM	1/28/2014	3:33:00 PM
25	P017-IA003-140127-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A670	05762	-30	-8	1/27/2014	4:45:00 PM	1/28/2014	3:35:00 PM
26	P017-SG001-140127-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A309	05853	-30	-16	1/27/2014	4:29:00 PM	1/28/2014	3:29:00 PM
27	P017-SG002-140127-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A330	05377	-30	-9	1/27/2014	4:39:00 PM	1/28/2014	3:32:00 PM
28	P018-IA001-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A754	05394	-30	-8	1/28/2014	3:12:00 PM	1/29/2014	3:37:00 PM
29	P018-IA002-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A751	04863	-30	-13	1/28/2014	3:16:00 PM	1/29/2014	3:39:00 PM
30	P018-IA003-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister ✗	A1002	05772	-30	-2	1/28/2014	3:22:00 PM	1/29/2014	3:45:00 PM

Special Instructions: Preliminary data 7 day TAT and 21 days TAT for validated data. Please send results to S.Sumbaly@westonsolutions.com and Aleksandra.Mallon@westonsolutions.com. ✗ CRT AIR

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all samples	A. Mallon (Weston)	1/30/14 1630	James Kwa	1/30/14 1705	

JB58857: Chain of Custody
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USEPA
Date Shipped: 1/30/14
CarrierName: Hand delivered
PO#: 0084699

CHAIN OF CUSTODY RECORD
Case #: 276
Contact Name: Aleksandra Mallon
Contact Phone: 732-570-4997

No: 2-013014-125010-0030
No. of Boxes: 7
Lab: Accutest
Lab Phone: 732- 329-0200

JB58857

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
31	P018-SG001-140128-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A853	02558	-29	-4	1/28/2014	3:10:00 PM	1/28/2014	3:34:00 PM
32	P018-SG002-140128-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A271	04880	-30	-2	1/28/2014	3:15:00 PM	1/28/2014	3:39:00 PM
33	P020-IA001-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister	A274	02958	-30	-7	1/28/2014	4:04:00 PM	1/28/2014	3:13:00 PM
34	P020-IA002-140128-01	VOC TO-15 (SIM)	Air	1	Summa Canister ☆	A891	04920	-30	-6	1/29/2014	4:10:00 PM	1/30/2014	3:15:00 PM
35	P020-SG001-140128-01	VOC TO-15 (SCAN)	Soil Gas	1	Summa Canister	A250	02221	-30	-4	1/28/2014	4:03:00 PM	1/29/2014	3:11:00 PM

Special Instructions: Preliminary data 7 day TAT and 21 days TAT for validated data. Please send results to S.Sumbaly@westonsolutions.com and Aleksandra.Mallon@westonsolutions.com.
☆ CRT AIR

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all Samples	A. Mallon (weston)	1/30/14 1630	Jana Kuzy	1/30/14 1705	

JB58857: Chain of Custody
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Job# JB58857
(REQUIRED)

Unused Summa Return Form

Client USEPA Office

Project

#Summas 36 #Flow Controllers 36

Summa#'s A038, A836, A479, A329, A358, A1074, A028, A343, A1067, A311, A1085, A003, A294, A049, A091, A377, A1060, A042, A103, A883, A1193, A1165, A463, A1039, A278, A636, A858, A711, A375, A855, A987, A292, A771, A338, A814, A364

FC#s FC481, FC482, FC613, FC549, FC290, FC292, FC365, FC528, FC419, FC430, FC384, FC287, FC179, FC226, FC339, FC341, FC169, FC256, FC305, FC345, FC438, FC356, FC313, FC316, FC087, FC457, FC191, FC227, FC587, FC344, FC364, FC159, FC530, FC542, FC474, FC476

Rec'd By James Kwong Rec'd Date/Time 1-30-14 17:05

Rec'd via Outside Courier
(Attach any client paperwork, documentation, or airbills if available)

Notes

JB58857: Chain of Custody
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Job# JB58857
(REQUIRED)

FC

[redacted] Summa Return Form

Client USEPA Office _____
Project _____

#Summas _____ #Flow Controllers 36

[redacted] FC#s FC488 - FC555 FC637
FC411 FC534 FC601 FC265 FC373 FC505 FC492 FC432 FC563 FC567
FC351 FC452 FC618 FC607 FC633 FC500 FC325 FC636 FC470 FC621
FC596 FC533 FC620 FC423 FC628 FC547 FC579 FC634 FC631 FC632
FC608 FC635 FC426

Rec'd By James Kwong Rec'd Date/Time 1-30-14 17:05

Rec'd via Outside Courier
(Attach any client paperwork, documentation, or airbills if available)

Notes _____

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JB58857: Chain of Custody
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ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB58857 **Client:** _____ **Project:** _____

Date / Time Received: 1/30/2014 **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Initial/Adjusted):

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:		
3. Cooler media:		
4. No. Coolers:	0	

Quality Control Preservatio	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

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JB58857: Chain of Custody

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