

APPENDIX C

Ambient Air Quality and Odor Assessment at the
City of Albany Rapp Road Solid Waste Management Facility

LABORATORY RESULTS



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**




AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705133A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	05/18/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-AT-1	Modified TO-15	4.0 "Hg
02A	ALB-AT-2	Modified TO-15	5.0 "Hg
03A	ALB-AT-3	Modified TO-15	3.5 "Hg
04A	ALB-AT-4	Modified TO-15	5.5 "Hg
05A	ALB-AT-5	Modified TO-15	3.5 "Hg
06A	Lab Blank	Modified TO-15	NA
07A	CCV	Modified TO-15	NA
08A	LCS	Modified TO-15	NA

CERTIFIED BY: 
 Laboratory Director

DATE: 05/18/07

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0705133A**

Five 6 Liter Summa Canister samples were received on May 04, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-AT-1

Lab ID#: 0705133A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.1	5.5	7.4	13

Client Sample ID: ALB-AT-2

Lab ID#: 0705133A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	3.2	8.0	6.1	15
Acetone	3.2	15	7.6	35
2-Butanone (Methyl Ethyl Ketone)	0.80	2.1	2.4	6.1

Client Sample ID: ALB-AT-3

Lab ID#: 0705133A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	3.0	9.5	5.7	18
Acetone	3.0	3.3	7.2	7.9
Toluene	0.76	1.4	2.9	5.1

Client Sample ID: ALB-AT-4

Lab ID#: 0705133A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.3	5.1	7.8	12

Client Sample ID: ALB-AT-5

Lab ID#: 0705133A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	3.0	4.2	5.7	8.0
Acetone	3.0	6.2	7.2	15
2-Propanol	3.0	3.4	7.5	8.4
Toluene	0.76	1.6	2.9	6.0



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Client Sample ID: ALB-AT-1

Lab ID#: 0705133A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051641	Date of Collection: 5/3/07
Dil. Factor:	1.55	Date of Analysis: 5/17/07 02:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.78	Not Detected	3.8	Not Detected
Chloromethane	3.1	Not Detected	6.4	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	0.78	Not Detected	2.0	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
Ethanol	3.1	Not Detected	5.8	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	3.1	5.5	7.4	13
2-Propanol	3.1	Not Detected	7.6	Not Detected
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
Methylene Chloride	0.78	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	Not Detected	2.3	Not Detected
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
Toluene	0.78	Not Detected	2.9	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	0.78	Not Detected	3.4	Not Detected
o-Xylene	0.78	Not Detected	3.4	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
Acrylonitrile	3.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
Dichlorofluoromethane	3.1	Not Detected	13	Not Detected
Chlorodifluoromethane	3.1	Not Detected	11	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-1

Lab ID#: 0705133A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051641	Date of Collection: 5/3/07
Dil. Factor:	1.55	Date of Analysis: 5/17/07 02:43 PM

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-2

Lab ID#: 0705133A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051633	Date of Collection: 5/3/07
Dil. Factor:	1.61	Date of Analysis: 5/17/07 09:08 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Chloromethane	3.2	Not Detected	6.6	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
Ethanol	3.2	8.0	6.1	15
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Acetone	3.2	15	7.6	35
2-Propanol	3.2	Not Detected	7.9	Not Detected
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	2.1	2.4	6.1
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
Toluene	0.80	Not Detected	3.0	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
Acrylonitrile	3.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
Dichlorofluoromethane	3.2	Not Detected	14	Not Detected
Chlorodifluoromethane	3.2	Not Detected	11	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-2

Lab ID#: 0705133A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051633	Date of Collection: 5/3/07
Dil. Factor:	1.61	Date of Analysis: 5/17/07 09:08 AM

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-3

Lab ID#: 0705133A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051642	Date of Collection: 5/3/07
Dil. Factor:	1.52	Date of Analysis: 5/17/07 03:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Chloromethane	3.0	Not Detected	6.3	Not Detected
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
Ethanol	3.0	9.5	5.7	18
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Acetone	3.0	3.3	7.2	7.9
2-Propanol	3.0	Not Detected	7.5	Not Detected
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
Methylene Chloride	0.76	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Hexane	0.76	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	Not Detected	2.2	Not Detected
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
Benzene	0.76	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
Toluene	0.76	1.4	2.9	5.1
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.8	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	Not Detected	3.3	Not Detected
m,p-Xylene	0.76	Not Detected	3.3	Not Detected
o-Xylene	0.76	Not Detected	3.3	Not Detected
1,1,1,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
Acrylonitrile	3.0	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
Dichlorofluoromethane	3.0	Not Detected	13	Not Detected
Chlorodifluoromethane	3.0	Not Detected	11	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-3

Lab ID#: 0705133A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051642	Date of Collection:	5/3/07
Dil. Factor:	1.52	Date of Analysis:	5/17/07 03:21 PM

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	93	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-4

Lab ID#: 0705133A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051643	Date of Collection: 5/3/07
Dil. Factor:	1.64	Date of Analysis: 5/17/07 04:00 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Chloromethane	3.3	Not Detected	6.8	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	3.3	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Acetone	3.3	5.1	7.8	12
2-Propanol	3.3	Not Detected	8.1	Not Detected
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
Acrylonitrile	3.3	Not Detected	7.1	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
Dichlorofluoromethane	3.3	Not Detected	14	Not Detected
Chlorodifluoromethane	3.3	Not Detected	12	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-4

Lab ID#: 0705133A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051643	Date of Collection: 5/3/07
Dil. Factor:	1.64	Date of Analysis: 5/17/07 04:00 PM

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-5

Lab ID#: 0705133A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051644	Date of Collection: 5/3/07
Dil. Factor:	1.52	Date of Analysis: 5/17/07 04:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Chloromethane	3.0	Not Detected	6.3	Not Detected
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
Ethanol	3.0	4.2	5.7	8.0
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Acetone	3.0	6.2	7.2	15
2-Propanol	3.0	3.4	7.5	8.4
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
Methylene Chloride	0.76	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Hexane	0.76	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	Not Detected	2.2	Not Detected
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
Benzene	0.76	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
Toluene	0.76	1.6	2.9	6.0
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.8	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	Not Detected	3.3	Not Detected
m,p-Xylene	0.76	Not Detected	3.3	Not Detected
o-Xylene	0.76	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
Acrylonitrile	3.0	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
Dichlorofluoromethane	3.0	Not Detected	13	Not Detected
Chlorodifluoromethane	3.0	Not Detected	11	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-5

Lab ID#: 0705133A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051644	Date of Collection:	5/3/07
Dil. Factor:	1.52	Date of Analysis:	5/17/07 04:38 PM

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705133A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051624	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/17/07 01:16 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705133A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051624	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/17/07 01:16 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705133A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051619	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/16/07 09:07 PM

Compound	%Recovery
Freon 12	77
Chloromethane	96
Vinyl Chloride	83
Chloroethane	77
Freon 11	91
Ethanol	96
1,1-Dichloroethene	93
Acetone	89
2-Propanol	97
Carbon Disulfide	93
Methylene Chloride	98
trans-1,2-Dichloroethene	93
Hexane	93
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	92
Chloroform	91
1,1,1-Trichloroethane	93
Carbon Tetrachloride	96
Benzene	95
1,2-Dichloroethane	98
Trichloroethene	101
1,2-Dichloropropane	100
Bromodichloromethane	102
4-Methyl-2-pentanone	100
Toluene	98
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	107
Chlorobenzene	100
Ethyl Benzene	99
m,p-Xylene	94
o-Xylene	95
1,1,2,2-Tetrachloroethane	100
Acrylonitrile	110
1,4-Dichlorobenzene	89
1,3-Dichlorobenzene	89
1,2-Dichlorobenzene	89
Dichlorofluoromethane	87
Chlorodifluoromethane	70



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705133A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051619	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/16/07 09:07 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705133A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051620	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/16/07 09:45 PM

Compound	%Recovery
Freon 12	79
Chloromethane	100
Vinyl Chloride	85
Chloroethane	77
Freon 11	91
Ethanol	115
1,1-Dichloroethene	105
Acetone	95
2-Propanol	103
Carbon Disulfide	96
Methylene Chloride	107
trans-1,2-Dichloroethene	95
Hexane	96
1,1-Dichloroethane	100
2-Butanone (Methyl Ethyl Ketone)	96
Chloroform	95
1,1,1-Trichloroethane	98
Carbon Tetrachloride	102
Benzene	98
1,2-Dichloroethane	102
Trichloroethene	104
1,2-Dichloropropane	102
Bromodichloromethane	105
4-Methyl-2-pentanone	106
Toluene	107
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	102
Chlorobenzene	102
Ethyl Benzene	100
m,p-Xylene	96
o-Xylene	98
1,1,2,2-Tetrachloroethane	104
Acrylonitrile	Not Spiked
1,4-Dichlorobenzene	86
1,3-Dichlorobenzene	87
1,2-Dichlorobenzene	85
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705133A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t051620	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/16/07 09:45 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
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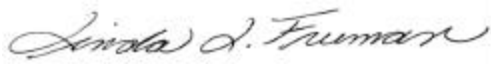
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705103A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	05/17/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-LFG-1	Modified TO-15	Tedlar Bag
02A	ALB-LFG-2	Modified TO-15	Tedlar Bag
03A	ALB-LFG-3	Modified TO-15	Tedlar Bag
04A	ALB-LFG-4	Modified TO-15	Tedlar Bag
05A	ALB-AT-02	Modified TO-15	Tedlar Bag
06A	ALB-AT-03	Modified TO-15	Tedlar Bag
07A	ALB-AT-04	Modified TO-15	Tedlar Bag
08A	ALB-AT-05	Modified TO-15	Tedlar Bag
09A	ALB-AT-07	Modified TO-15	Tedlar Bag
10A	ALB-AT-010	Modified TO-15	Tedlar Bag
10AA	ALB-AT-010 Lab Duplicate	Modified TO-15	Tedlar Bag
11A	Lab Blank	Modified TO-15	NA
12A	CCV	Modified TO-15	NA
13A	LCS	Modified TO-15	NA

CERTIFIED BY:  DATE: 05/17/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0705103A

Ten 1 Liter Tedlar Bag samples were received on May 04, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.

- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	820	200	4100
Vinyl Chloride	40	220	100	560
Freon 11	40	58	220	330
Ethanol	160	7000	300	13000
Acetone	160	7900	380	19000
2-Propanol	160	5500	390	13000
Carbon Disulfide	40	180	120	580
Hexane	40	380	140	1300
1,1-Dichloroethane	40	45	160	180
2-Butanone (Methyl Ethyl Ketone)	40	10000	120	30000
Benzene	40	780	130	2500
1,2-Dichloroethane	40	52	160	210
Trichloroethene	40	470	210	2500
4-Methyl-2-pentanone	40	550	160	2200
Toluene	40	5700	150	21000
Tetrachloroethene	40	260	270	1800
Ethyl Benzene	40	1300	170	5600
m,p-Xylene	40	1800	170	8000
o-Xylene	40	540	170	2300
Dichlorofluoromethane	160	160	670	680
Chlorodifluoromethane	160	270	570	940

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	50	1500	250	7600
Vinyl Chloride	50	360	130	910
Freon 11	50	420	280	2400
Ethanol	200	46000 E	380	86000 E
Acetone	200	5800	480	14000
2-Propanol	200	8100	490	20000
Carbon Disulfide	50	460	160	1400
Methylene Chloride	50	430	170	1500
Hexane	50	1100	180	3800
1,1-Dichloroethane	50	150	200	600
2-Butanone (Methyl Ethyl Ketone)	50	8600	150	25000



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103A-02A

1,1,1-Trichloroethane	50	51	270	280
Benzene	50	1000	160	3200
1,2-Dichloroethane	50	110	200	460
Trichloroethene	50	630	270	3400
4-Methyl-2-pentanone	50	650	200	2600
Toluene	50	10000	190	40000
Tetrachloroethene	50	520	340	3500
Ethyl Benzene	50	2100	220	9200
m,p-Xylene	50	3600	220	16000
o-Xylene	50	1000	220	4400
Dichlorofluoromethane	200	680	840	2800
Chlorodifluoromethane	200	1600	710	5800

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	50	1500	250	7300
Vinyl Chloride	50	390	130	1000
Freon 11	50	550	280	3100
Ethanol	200	54000 E	380	100000 E
Acetone	200	6100	480	14000
2-Propanol	200	8300	490	20000
Carbon Disulfide	50	570	160	1800
Methylene Chloride	50	610	170	2100
Hexane	50	1200	180	4400
1,1-Dichloroethane	50	180	200	710
2-Butanone (Methyl Ethyl Ketone)	50	8700	150	26000
1,1,1-Trichloroethane	50	59	270	320
Benzene	50	1200	160	3800
1,2-Dichloroethane	50	150	200	600
Trichloroethene	50	710	270	3800
4-Methyl-2-pentanone	50	660	200	2700
Toluene	50	12000	190	45000
Tetrachloroethene	50	640	340	4300
Ethyl Benzene	50	2200	220	9400
m,p-Xylene	50	3800	220	17000
o-Xylene	50	1000	220	4500
Dichlorofluoromethane	200	800	840	3400



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103A-03A

Chlorodifluoromethane	200	1200	710	4400
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Client Sample ID: ALB-LFG-4

Lab ID#: 0705103A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	1200	200	5800
Vinyl Chloride	40	220	100	570
Freon 11	40	180	220	980
Ethanol	160	49000 E	300	92000 E
Acetone	160	5000	380	12000
2-Propanol	160	6500	390	16000
Carbon Disulfide	40	180	120	560
Methylene Chloride	40	120	140	430
Hexane	40	670	140	2400
1,1-Dichloroethane	40	79	160	320
2-Butanone (Methyl Ethyl Ketone)	40	8900	120	26000
Benzene	40	690	130	2200
1,2-Dichloroethane	40	55	160	220
Trichloroethene	40	480	210	2600
4-Methyl-2-pentanone	40	620	160	2500
Toluene	40	9400	150	36000
Tetrachloroethene	40	380	270	2600
Chlorobenzene	40	72	180	330
Ethyl Benzene	40	2600	170	12000
m,p-Xylene	40	4600	170	20000
o-Xylene	40	1400	170	6000
1,4-Dichlorobenzene	40	72	240	430
Dichlorofluoromethane	160	370	670	1600
Chlorodifluoromethane	160	1600	570	5600

Client Sample ID: ALB-AT-02

Lab ID#: 0705103A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	2.0	13	3.8	24
Acetone	2.0	22	4.8	52
2-Propanol	2.0	400 E	4.9	980 E



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-AT-02

Lab ID#: 0705103A-05A

Carbon Disulfide	0.50	8.8	1.6	28
Methylene Chloride	0.50	2.0	1.7	6.9
Hexane	0.50	0.75	1.8	2.7
2-Butanone (Methyl Ethyl Ketone)	0.50	1.3	1.5	3.8
4-Methyl-2-pentanone	0.50	0.51	2.0	2.1
Toluene	0.50	9.2	1.9	35
m,p-Xylene	0.50	0.80	2.2	3.5

Client Sample ID: ALB-AT-03

Lab ID#: 0705103A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	2.0	6.4	3.8	12
Acetone	2.0	16	4.8	37
2-Propanol	2.0	690 E	4.9	1700 E
Carbon Disulfide	0.50	7.0	1.6	22
Methylene Chloride	0.50	0.74	1.7	2.6
Hexane	0.50	0.52	1.8	1.8
4-Methyl-2-pentanone	0.50	0.51	2.0	2.1
Toluene	0.50	6.8	1.9	25
m,p-Xylene	0.50	0.67	2.2	2.9

Client Sample ID: ALB-AT-04

Lab ID#: 0705103A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	2.0	5.8	3.8	11
Acetone	2.0	14	4.8	33
2-Propanol	2.0	62	4.9	150
Carbon Disulfide	0.50	5.2	1.6	16
Methylene Chloride	0.50	0.71	1.7	2.5
2-Butanone (Methyl Ethyl Ketone)	0.50	0.55	1.5	1.6
Toluene	0.50	20	1.9	74
m,p-Xylene	0.50	1.0	2.2	4.5

Client Sample ID: ALB-AT-05

Lab ID#: 0705103A-08A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-AT-05

Lab ID#: 0705103A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.50	2.5	2.5
Ethanol	2.0	5.3	3.8	9.9
Acetone	2.0	12	4.8	29
2-Propanol	2.0	92	4.9	220
Carbon Disulfide	0.50	5.6	1.6	17
Methylene Chloride	0.50	0.98	1.7	3.4
Toluene	0.50	7.4	1.9	28
m,p-Xylene	0.50	0.85	2.2	3.7
o-Xylene	0.50	0.58	2.2	2.5

Client Sample ID: ALB-AT-07

Lab ID#: 0705103A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.52	2.5	2.6
Ethanol	2.0	5.2	3.8	9.7
Acetone	2.0	13	4.8	30
2-Propanol	2.0	360 E	4.9	890 E
Carbon Disulfide	0.50	7.4	1.6	23
Methylene Chloride	0.50	0.54	1.7	1.9
4-Methyl-2-pentanone	0.50	0.59	2.0	2.4
Toluene	0.50	4.7	1.9	18
m,p-Xylene	0.50	0.55	2.2	2.4

Client Sample ID: ALB-AT-010

Lab ID#: 0705103A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	2.0	2.5	9.9
Vinyl Chloride	0.50	3.7	1.3	9.4
Chloroethane	0.50	0.88	1.3	2.3
Ethanol	2.0	5.8	3.8	11
Acetone	2.0	20	4.8	46
2-Propanol	2.0	200	4.9	490
Carbon Disulfide	0.50	8.0	1.6	25
Methylene Chloride	0.50	1.3	1.7	4.5



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-AT-010

Lab ID#: 0705103A-10A

Hexane	0.50	1.2	1.8	4.2
1,1-Dichloroethane	0.50	0.55	2.0	2.2
2-Butanone (Methyl Ethyl Ketone)	0.50	2.4	1.5	7.0
Benzene	0.50	6.4	1.6	20
Trichloroethene	0.50	1.2	2.7	6.4
4-Methyl-2-pentanone	0.50	0.76	2.0	3.1
Toluene	0.50	31	1.9	120
Tetrachloroethene	0.50	0.55	3.4	3.8
Chlorobenzene	0.50	4.5	2.3	21
Ethyl Benzene	0.50	5.2	2.2	23
m,p-Xylene	0.50	7.5	2.2	33
o-Xylene	0.50	2.7	2.2	12
Chlorodifluoromethane	2.0	20	7.1	70

Client Sample ID: ALB-AT-010 Lab Duplicate

Lab ID#: 0705103A-10AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	2.4	4.9	12
Vinyl Chloride	1.0	4.2	2.6	11
Ethanol	4.0	11	7.5	21
Acetone	4.0	20	9.5	49
2-Propanol	4.0	220	9.8	550
Carbon Disulfide	1.0	8.8	3.1	27
Methylene Chloride	1.0	1.3	3.5	4.4
Hexane	1.0	1.4	3.5	5.0
2-Butanone (Methyl Ethyl Ketone)	1.0	2.7	2.9	8.0
Benzene	1.0	6.8	3.2	22
Trichloroethene	1.0	1.1	5.4	6.1
Toluene	1.0	30	3.8	110
Chlorobenzene	1.0	4.0	4.6	18
Ethyl Benzene	1.0	4.8	4.3	21
m,p-Xylene	1.0	6.6	4.3	29
o-Xylene	1.0	2.5	4.3	11
Chlorodifluoromethane	4.0	22	14	78



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050614	Date of Collection:	5/3/07
Dil. Factor:	80.0	Date of Analysis:	5/6/07 07:16 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	820	200	4100
Chloromethane	160	Not Detected	330	Not Detected
Vinyl Chloride	40	220	100	560
Chloroethane	40	Not Detected	100	Not Detected
Freon 11	40	58	220	330
Ethanol	160	7000	300	13000
1,1-Dichloroethene	40	Not Detected	160	Not Detected
Acetone	160	7900	380	19000
2-Propanol	160	5500	390	13000
Carbon Disulfide	40	180	120	580
Methylene Chloride	40	Not Detected	140	Not Detected
trans-1,2-Dichloroethene	40	Not Detected	160	Not Detected
Hexane	40	380	140	1300
1,1-Dichloroethane	40	45	160	180
2-Butanone (Methyl Ethyl Ketone)	40	10000	120	30000
Chloroform	40	Not Detected	200	Not Detected
1,1,1-Trichloroethane	40	Not Detected	220	Not Detected
Carbon Tetrachloride	40	Not Detected	250	Not Detected
Benzene	40	780	130	2500
1,2-Dichloroethane	40	52	160	210
Trichloroethene	40	470	210	2500
1,2-Dichloropropane	40	Not Detected	180	Not Detected
Bromodichloromethane	40	Not Detected	270	Not Detected
4-Methyl-2-pentanone	40	550	160	2200
Toluene	40	5700	150	21000
Tetrachloroethene	40	260	270	1800
1,2-Dibromoethane (EDB)	40	Not Detected	310	Not Detected
Chlorobenzene	40	Not Detected	180	Not Detected
Ethyl Benzene	40	1300	170	5600
m,p-Xylene	40	1800	170	8000
o-Xylene	40	540	170	2300
1,1,2,2-Tetrachloroethane	40	Not Detected	270	Not Detected
Acrylonitrile	160	Not Detected	350	Not Detected
1,4-Dichlorobenzene	40	Not Detected	240	Not Detected
1,3-Dichlorobenzene	40	Not Detected	240	Not Detected
1,2-Dichlorobenzene	40	Not Detected	240	Not Detected
Dichlorofluoromethane	160	160	670	680
Chlorodifluoromethane	160	270	570	940



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050614	Date of Collection: 5/3/07
Dil. Factor:	80.0	Date of Analysis: 5/6/07 07:16 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050615	Date of Collection:	5/3/07
Dil. Factor:	100	Date of Analysis:	5/6/07 08:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	50	1500	250	7600
Chloromethane	200	Not Detected	410	Not Detected
Vinyl Chloride	50	360	130	910
Chloroethane	50	Not Detected	130	Not Detected
Freon 11	50	420	280	2400
Ethanol	200	46000 E	380	86000 E
1,1-Dichloroethene	50	Not Detected	200	Not Detected
Acetone	200	5800	480	14000
2-Propanol	200	8100	490	20000
Carbon Disulfide	50	460	160	1400
Methylene Chloride	50	430	170	1500
trans-1,2-Dichloroethene	50	Not Detected	200	Not Detected
Hexane	50	1100	180	3800
1,1-Dichloroethane	50	150	200	600
2-Butanone (Methyl Ethyl Ketone)	50	8600	150	25000
Chloroform	50	Not Detected	240	Not Detected
1,1,1-Trichloroethane	50	51	270	280
Carbon Tetrachloride	50	Not Detected	310	Not Detected
Benzene	50	1000	160	3200
1,2-Dichloroethane	50	110	200	460
Trichloroethene	50	630	270	3400
1,2-Dichloropropane	50	Not Detected	230	Not Detected
Bromodichloromethane	50	Not Detected	340	Not Detected
4-Methyl-2-pentanone	50	650	200	2600
Toluene	50	10000	190	40000
Tetrachloroethene	50	520	340	3500
1,2-Dibromoethane (EDB)	50	Not Detected	380	Not Detected
Chlorobenzene	50	Not Detected	230	Not Detected
Ethyl Benzene	50	2100	220	9200
m,p-Xylene	50	3600	220	16000
o-Xylene	50	1000	220	4400
1,1,2,2-Tetrachloroethane	50	Not Detected	340	Not Detected
Acrylonitrile	200	Not Detected	430	Not Detected
1,4-Dichlorobenzene	50	Not Detected	300	Not Detected
1,3-Dichlorobenzene	50	Not Detected	300	Not Detected
1,2-Dichlorobenzene	50	Not Detected	300	Not Detected
Dichlorofluoromethane	200	680	840	2800
Chlorodifluoromethane	200	1600	710	5800



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050615	Date of Collection: 5/3/07
Dil. Factor:	100	Date of Analysis: 5/6/07 08:04 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050616	Date of Collection:	5/3/07
Dil. Factor:	100	Date of Analysis:	5/6/07 08:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	50	1500	250	7300
Chloromethane	200	Not Detected	410	Not Detected
Vinyl Chloride	50	390	130	1000
Chloroethane	50	Not Detected	130	Not Detected
Freon 11	50	550	280	3100
Ethanol	200	54000 E	380	100000 E
1,1-Dichloroethene	50	Not Detected	200	Not Detected
Acetone	200	6100	480	14000
2-Propanol	200	8300	490	20000
Carbon Disulfide	50	570	160	1800
Methylene Chloride	50	610	170	2100
trans-1,2-Dichloroethene	50	Not Detected	200	Not Detected
Hexane	50	1200	180	4400
1,1-Dichloroethane	50	180	200	710
2-Butanone (Methyl Ethyl Ketone)	50	8700	150	26000
Chloroform	50	Not Detected	240	Not Detected
1,1,1-Trichloroethane	50	59	270	320
Carbon Tetrachloride	50	Not Detected	310	Not Detected
Benzene	50	1200	160	3800
1,2-Dichloroethane	50	150	200	600
Trichloroethene	50	710	270	3800
1,2-Dichloropropane	50	Not Detected	230	Not Detected
Bromodichloromethane	50	Not Detected	340	Not Detected
4-Methyl-2-pentanone	50	660	200	2700
Toluene	50	12000	190	45000
Tetrachloroethene	50	640	340	4300
1,2-Dibromoethane (EDB)	50	Not Detected	380	Not Detected
Chlorobenzene	50	Not Detected	230	Not Detected
Ethyl Benzene	50	2200	220	9400
m,p-Xylene	50	3800	220	17000
o-Xylene	50	1000	220	4500
1,1,2,2-Tetrachloroethane	50	Not Detected	340	Not Detected
Acrylonitrile	200	Not Detected	430	Not Detected
1,4-Dichlorobenzene	50	Not Detected	300	Not Detected
1,3-Dichlorobenzene	50	Not Detected	300	Not Detected
1,2-Dichlorobenzene	50	Not Detected	300	Not Detected
Dichlorofluoromethane	200	800	840	3400
Chlorodifluoromethane	200	1200	710	4400



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050616	Date of Collection: 5/3/07
Dil. Factor:	100	Date of Analysis: 5/6/07 08:43 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050617	Date of Collection:	5/3/07
Dil. Factor:	80.0	Date of Analysis:	5/6/07 09:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	1200	200	5800
Chloromethane	160	Not Detected	330	Not Detected
Vinyl Chloride	40	220	100	570
Chloroethane	40	Not Detected	100	Not Detected
Freon 11	40	180	220	980
Ethanol	160	49000 E	300	92000 E
1,1-Dichloroethene	40	Not Detected	160	Not Detected
Acetone	160	5000	380	12000
2-Propanol	160	6500	390	16000
Carbon Disulfide	40	180	120	560
Methylene Chloride	40	120	140	430
trans-1,2-Dichloroethene	40	Not Detected	160	Not Detected
Hexane	40	670	140	2400
1,1-Dichloroethane	40	79	160	320
2-Butanone (Methyl Ethyl Ketone)	40	8900	120	26000
Chloroform	40	Not Detected	200	Not Detected
1,1,1-Trichloroethane	40	Not Detected	220	Not Detected
Carbon Tetrachloride	40	Not Detected	250	Not Detected
Benzene	40	690	130	2200
1,2-Dichloroethane	40	55	160	220
Trichloroethene	40	480	210	2600
1,2-Dichloropropane	40	Not Detected	180	Not Detected
Bromodichloromethane	40	Not Detected	270	Not Detected
4-Methyl-2-pentanone	40	620	160	2500
Toluene	40	9400	150	36000
Tetrachloroethene	40	380	270	2600
1,2-Dibromoethane (EDB)	40	Not Detected	310	Not Detected
Chlorobenzene	40	72	180	330
Ethyl Benzene	40	2600	170	12000
m,p-Xylene	40	4600	170	20000
o-Xylene	40	1400	170	6000
1,1,2,2-Tetrachloroethane	40	Not Detected	270	Not Detected
Acrylonitrile	160	Not Detected	350	Not Detected
1,4-Dichlorobenzene	40	72	240	430
1,3-Dichlorobenzene	40	Not Detected	240	Not Detected
1,2-Dichlorobenzene	40	Not Detected	240	Not Detected
Dichlorofluoromethane	160	370	670	1600
Chlorodifluoromethane	160	1600	570	5600



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050617	Date of Collection: 5/3/07
Dil. Factor:	80.0	Date of Analysis: 5/6/07 09:22 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-02

Lab ID#: 0705103A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050612	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 05:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	13	3.8	24
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	22	4.8	52
2-Propanol	2.0	400 E	4.9	980 E
Carbon Disulfide	0.50	8.8	1.6	28
Methylene Chloride	0.50	2.0	1.7	6.9
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	0.75	1.8	2.7
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	1.3	1.5	3.8
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	0.51	2.0	2.1
Toluene	0.50	9.2	1.9	35
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.80	2.2	3.5
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-02

Lab ID#: 0705103A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050612	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 05:52 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-03

Lab ID#: 0705103A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050613	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 06:35 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	6.4	3.8	12
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	16	4.8	37
2-Propanol	2.0	690 E	4.9	1700 E
Carbon Disulfide	0.50	7.0	1.6	22
Methylene Chloride	0.50	0.74	1.7	2.6
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	0.52	1.8	1.8
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	0.51	2.0	2.1
Toluene	0.50	6.8	1.9	25
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.67	2.2	2.9
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-03

Lab ID#: 0705103A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050613	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 06:35 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-04

Lab ID#: 0705103A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050611	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 05:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	5.8	3.8	11
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	14	4.8	33
2-Propanol	2.0	62	4.9	150
Carbon Disulfide	0.50	5.2	1.6	16
Methylene Chloride	0.50	0.71	1.7	2.5
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	0.55	1.5	1.6
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	20	1.9	74
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	1.0	2.2	4.5
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-04

Lab ID#: 0705103A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050611	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 05:05 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-05

Lab ID#: 0705103A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050607	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 01:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.50	2.5	2.5
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	5.3	3.8	9.9
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	12	4.8	29
2-Propanol	2.0	92	4.9	220
Carbon Disulfide	0.50	5.6	1.6	17
Methylene Chloride	0.50	0.98	1.7	3.4
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	7.4	1.9	28
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.85	2.2	3.7
o-Xylene	0.50	0.58	2.2	2.5
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-05

Lab ID#: 0705103A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050607	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 01:29 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-07

Lab ID#: 0705103A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050608	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 02:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.52	2.5	2.6
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	5.2	3.8	9.7
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	13	4.8	30
2-Propanol	2.0	360 E	4.9	890 E
Carbon Disulfide	0.50	7.4	1.6	23
Methylene Chloride	0.50	0.54	1.7	1.9
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	0.59	2.0	2.4
Toluene	0.50	4.7	1.9	18
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.55	2.2	2.4
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-07

Lab ID#: 0705103A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050608	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 02:18 PM

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-010

Lab ID#: 0705103A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050610	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/6/07 03:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	2.0	2.5	9.9
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	3.7	1.3	9.4
Chloroethane	0.50	0.88	1.3	2.3
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	5.8	3.8	11
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	20	4.8	46
2-Propanol	2.0	200	4.9	490
Carbon Disulfide	0.50	8.0	1.6	25
Methylene Chloride	0.50	1.3	1.7	4.5
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	1.2	1.8	4.2
1,1-Dichloroethane	0.50	0.55	2.0	2.2
2-Butanone (Methyl Ethyl Ketone)	0.50	2.4	1.5	7.0
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	6.4	1.6	20
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	1.2	2.7	6.4
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	0.76	2.0	3.1
Toluene	0.50	31	1.9	120
Tetrachloroethene	0.50	0.55	3.4	3.8
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	4.5	2.3	21
Ethyl Benzene	0.50	5.2	2.2	23
m,p-Xylene	0.50	7.5	2.2	33
o-Xylene	0.50	2.7	2.2	12
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	20	7.1	70



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-010

Lab ID#: 0705103A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050610	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/6/07 03:51 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-010 Lab Duplicate

Lab ID#: 0705103A-10AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050609	Date of Collection:	5/3/07
Dil. Factor:	2.00	Date of Analysis:	5/6/07 02:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	2.4	4.9	12
Chloromethane	4.0	Not Detected	8.3	Not Detected
Vinyl Chloride	1.0	4.2	2.6	11
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
Ethanol	4.0	11	7.5	21
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	4.0	20	9.5	49
2-Propanol	4.0	220	9.8	550
Carbon Disulfide	1.0	8.8	3.1	27
Methylene Chloride	1.0	1.3	3.5	4.4
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	1.4	3.5	5.0
1,1-Dichloroethane	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	2.7	2.9	8.0
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
Benzene	1.0	6.8	3.2	22
1,2-Dichloroethane	1.0	Not Detected	4.0	Not Detected
Trichloroethene	1.0	1.1	5.4	6.1
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	30	3.8	110
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	4.0	4.6	18
Ethyl Benzene	1.0	4.8	4.3	21
m,p-Xylene	1.0	6.6	4.3	29
o-Xylene	1.0	2.5	4.3	11
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
Acrylonitrile	4.0	Not Detected	8.7	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
Dichlorofluoromethane	4.0	Not Detected	17	Not Detected
Chlorodifluoromethane	4.0	22	14	78



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-010 Lab Duplicate

Lab ID#: 0705103A-10AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050609	Date of Collection: 5/3/07
Dil. Factor:	2.00	Date of Analysis: 5/6/07 02:57 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705103A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050606	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 12:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705103A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050606	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 12:33 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705103A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 08:48 AM

Compound	%Recovery
Freon 12	93
Chloromethane	81
Vinyl Chloride	85
Chloroethane	90
Freon 11	98
Ethanol	80
1,1-Dichloroethene	89
Acetone	79
2-Propanol	84
Carbon Disulfide	84
Methylene Chloride	82
trans-1,2-Dichloroethene	92
Hexane	85
1,1-Dichloroethane	91
2-Butanone (Methyl Ethyl Ketone)	98
Chloroform	103
1,1,1-Trichloroethane	109
Carbon Tetrachloride	112
Benzene	101
1,2-Dichloroethane	105
Trichloroethene	104
1,2-Dichloropropane	98
Bromodichloromethane	106
4-Methyl-2-pentanone	105
Toluene	104
Tetrachloroethene	109
1,2-Dibromoethane (EDB)	104
Chlorobenzene	104
Ethyl Benzene	102
m,p-Xylene	102
o-Xylene	101
1,1,1,2-Tetrachloroethane	95
Acrylonitrile	64
1,4-Dichlorobenzene	97
1,3-Dichlorobenzene	97
1,2-Dichlorobenzene	92
Dichlorofluoromethane	100
Chlorodifluoromethane	96



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705103A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 08:48 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705103A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 11:36 AM

Compound	%Recovery
Freon 12	93
Chloromethane	82
Vinyl Chloride	84
Chloroethane	90
Freon 11	100
Ethanol	100
1,1-Dichloroethene	101
Acetone	84
2-Propanol	91
Carbon Disulfide	84
Methylene Chloride	91
trans-1,2-Dichloroethene	95
Hexane	88
1,1-Dichloroethane	96
2-Butanone (Methyl Ethyl Ketone)	101
Chloroform	108
1,1,1-Trichloroethane	112
Carbon Tetrachloride	115
Benzene	102
1,2-Dichloroethane	106
Trichloroethene	104
1,2-Dichloropropane	96
Bromodichloromethane	108
4-Methyl-2-pentanone	104
Toluene	108
Tetrachloroethene	114
1,2-Dibromoethane (EDB)	105
Chlorobenzene	105
Ethyl Benzene	103
m,p-Xylene	103
o-Xylene	102
1,1,1,2-Tetrachloroethane	96
Acrylonitrile	Not Spiked
1,4-Dichlorobenzene	98
1,3-Dichlorobenzene	99
1,2-Dichlorobenzene	91
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705103A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7050605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/6/07 11:36 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
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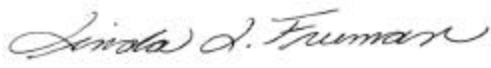
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705133B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	05/16/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-AT-1	Modified ASTM D-1945	4.0 "Hg
02A	ALB-AT-2	Modified ASTM D-1945	5.0 "Hg
03A	ALB-AT-3	Modified ASTM D-1945	3.5 "Hg
04A	ALB-AT-4	Modified ASTM D-1945	5.5 "Hg
05A	ALB-AT-5	Modified ASTM D-1945	3.5 "Hg
06A	Lab Blank	Modified ASTM D-1945	NA
07A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 05/16/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0705133B

Five 6 Liter Summa Canister samples were received on May 04, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for Methane in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample. See the data sheets for the reporting limit.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 75-125%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 25%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

Client Sample ID: ALB-AT-1

Lab ID#: 0705133B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00020

Client Sample ID: ALB-AT-2

Lab ID#: 0705133B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00044

Client Sample ID: ALB-AT-3

Lab ID#: 0705133B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00042

Client Sample ID: ALB-AT-4

Lab ID#: 0705133B-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00022

Client Sample ID: ALB-AT-5

Lab ID#: 0705133B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00020



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-1

Lab ID#: 0705133B-01A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050806	Date of Collection:	5/3/07
Dil. Factor:	1.55	Date of Analysis:	5/8/07 09:20 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00020

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-2

Lab ID#: 0705133B-02A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050807	Date of Collection: 5/3/07
Dil. Factor:	1.61	Date of Analysis: 5/8/07 09:45 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00044

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-3

Lab ID#: 0705133B-03A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050808	Date of Collection: 5/3/07
Dil. Factor:	1.52	Date of Analysis: 5/8/07 10:42 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00042

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-4

Lab ID#: 0705133B-04A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050809	Date of Collection:	5/3/07
Dil. Factor:	1.64	Date of Analysis:	5/8/07 11:12 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00022

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-5

Lab ID#: 0705133B-05A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050810	Date of Collection:	5/3/07
Dil. Factor:	1.52	Date of Analysis:	5/8/07 11:37 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00020

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705133B-06A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/8/07 05:51 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705133B-07A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9050828	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/8/07 10:21 PM

Compound	%Recovery
Methane	98

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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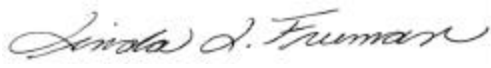
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705103C

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Kelly Buettner
DATE COMPLETED:	05/09/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-LFG-1	ASTM D-5504	Tedlar Bag
02A	ALB-LFG-2	ASTM D-5504	Tedlar Bag
02AA	ALB-LFG-2 Lab Duplicate	ASTM D-5504	Tedlar Bag
03A	ALB-LFG-3	ASTM D-5504	Tedlar Bag
03AA	ALB-LFG-3 Lab Duplicate	ASTM D-5504	Tedlar Bag
04A	ALB-LFG-4	ASTM D-5504	Tedlar Bag
05A	ALB-AT-02	ASTM D-5504	Tedlar Bag
06A	ALB-AT-03	ASTM D-5504	Tedlar Bag
07A	ALB-AT-04	ASTM D-5504	Tedlar Bag
08A	ALB-AT-05	ASTM D-5504	Tedlar Bag
09A	ALB-AT-07	ASTM D-5504	Tedlar Bag
10A	ALB-AT-010	ASTM D-5504	Tedlar Bag
11A	Lab Blank	ASTM D-5504	NA
12A	LCS	ASTM D-5504	NA

CERTIFIED BY:  DATE: 05/09/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07

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LABORATORY NARRATIVE
ASTM D-5504
RTP Environmental Associates
Workorder# 0705103C

Ten 1 Liter Tedlar Bag samples were received on May 04, 2007. The laboratory performed the analysis of sulfur compounds via ASTM D-5504 using GC/SCD. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Laboratory studies indicate interferences from the Tedlar bags may contribute, in whole or in part, to the positive results for Carbonyl Sulfide in samples ALB-AT-03, ALB-AT-04, ALB-AT-05, and ALB-AT-07. Results are reported as qualified.

Samples ALB-AT-04, ALB-AT-05, ALB-AT-07 and ALB-AT-010 were received with insufficient time remaining to analyze within the method specified 24 hour hold time.

Analytical discrepancies of samples are notated by data qualifying flags. Definitions for each data qualifying flag can be found on associated Sample Result Summary pages.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103C-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	560000

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103C-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	20000	2000000

Client Sample ID: ALB-LFG-2 Lab Duplicate

Lab ID#: 0705103C-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	2300000 E

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103C-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24000	2400000

Client Sample ID: ALB-LFG-3 Lab Duplicate

Lab ID#: 0705103C-03AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	20000	3100000 E

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103C-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24000	760000



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: ALB-AT-02

Lab ID#: 0705103C-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	18

Client Sample ID: ALB-AT-03

Lab ID#: 0705103C-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	9.6

Client Sample ID: ALB-AT-04

Lab ID#: 0705103C-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	4.6

Client Sample ID: ALB-AT-05

Lab ID#: 0705103C-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	4.3

Client Sample ID: ALB-AT-07

Lab ID#: 0705103C-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	9.4

Client Sample ID: ALB-AT-010

Lab ID#: 0705103C-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24	2600
Carbonyl Sulfide	24	28



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103C-01A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050410	Date of Collection: 5/3/07
Dil. Factor:	2500	Date of Analysis: 5/4/07 12:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	560000
Carbonyl Sulfide	10000	Not Detected
Methyl Mercaptan	10000	Not Detected
Ethyl Mercaptan	10000	Not Detected
Dimethyl Sulfide	10000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103C-02A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050412	Date of Collection: 5/3/07
Dil. Factor:	5000	Date of Analysis: 5/4/07 12:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	20000	2000000
Carbonyl Sulfide	20000	Not Detected
Methyl Mercaptan	20000	Not Detected
Ethyl Mercaptan	20000	Not Detected
Dimethyl Sulfide	20000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-2 Lab Duplicate

Lab ID#: 0705103C-02AA

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050411	Date of Collection: 5/3/07
Dil. Factor:	2500	Date of Analysis: 5/4/07 12:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	2300000 E
Carbonyl Sulfide	10000	Not Detected
Methyl Mercaptan	10000	Not Detected
Ethyl Mercaptan	10000	Not Detected
Dimethyl Sulfide	10000	Not Detected

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103C-03A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050414	Date of Collection: 5/3/07
Dil. Factor:	6000	Date of Analysis: 5/4/07 01:07 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24000	2400000
Carbonyl Sulfide	24000	Not Detected
Methyl Mercaptan	24000	Not Detected
Ethyl Mercaptan	24000	Not Detected
Dimethyl Sulfide	24000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-3 Lab Duplicate

Lab ID#: 0705103C-03AA

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050413	Date of Collection: 5/3/07
Dil. Factor:	5000	Date of Analysis: 5/4/07 12:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	20000	3100000 E
Carbonyl Sulfide	20000	Not Detected
Methyl Mercaptan	20000	Not Detected
Ethyl Mercaptan	20000	Not Detected
Dimethyl Sulfide	20000	Not Detected

E = Exceeds instrument calibration range.

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103C-04A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050415	Date of Collection: 5/3/07
Dil. Factor:	6000	Date of Analysis: 5/4/07 01:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24000	760000
Carbonyl Sulfide	24000	Not Detected
Methyl Mercaptan	24000	Not Detected
Ethyl Mercaptan	24000	Not Detected
Dimethyl Sulfide	24000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-02

Lab ID#: 0705103C-05A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050417	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/4/07 01:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	18
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-03

Lab ID#: 0705103C-06A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050418	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/4/07 01:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	9.6
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-04

Lab ID#: 0705103C-07A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050419	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/4/07 02:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	4.6
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-05

Lab ID#: 0705103C-08A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050420	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/4/07 02:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	4.3
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-07

Lab ID#: 0705103C-09A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050421	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/4/07 02:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	9.4
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-010

Lab ID#: 0705103C-10A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050423	Date of Collection:	5/3/07
Dil. Factor:	6.00	Date of Analysis:	5/4/07 04:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	24	2600
Carbonyl Sulfide	24	28
Methyl Mercaptan	24	Not Detected
Ethyl Mercaptan	24	Not Detected
Dimethyl Sulfide	24	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705103C-11A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050406b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/4/07 10:44 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705103C-12A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	b050402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/4/07 03:06 AM

Compound	%Recovery
Hydrogen Sulfide	98
Carbonyl Sulfide	82
Methyl Mercaptan	80
Ethyl Mercaptan	98
Dimethyl Sulfide	102

Container Type: NA - Not Applicable



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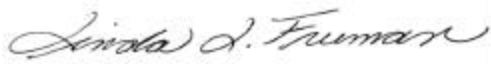
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WORK ORDER #: 0705104

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	05/16/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	ALB-ALD-1	Modified TO-11A
01AA	ALB-ALD-1 Lab Duplicate	Modified TO-11A
02A	ALB-ALD-2	Modified TO-11A
03A	ALB-ALD-TB	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A

CERTIFIED BY:  DATE: 05/16/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
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LABORATORY NARRATIVE
Modified TO-11A
RTP Environmental Associates
Workorder# 0705104

Three TO-11 Cartridge samples were received on May 04, 2007. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-11A</i>	<i>ATL Modifications</i>
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD ≤ 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Analytical discrepancies of samples are notated by data qualifying flags. Definitions for each data qualifying flag can be found on associated sample result summary pages.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

Client Sample ID: ALB-ALD-1

Lab ID#: 0705104-01A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.53
Acetaldehyde	0.10	0.36
Acetone	0.25	1.0
Crotonaldehyde	0.25	0.98 M

Client Sample ID: ALB-ALD-1 Lab Duplicate

Lab ID#: 0705104-01AA

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.54
Acetaldehyde	0.10	0.36
Acetone	0.25	0.97
Crotonaldehyde	0.25	0.96 M

Client Sample ID: ALB-ALD-2

Lab ID#: 0705104-02A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.62
Acetaldehyde	0.10	0.63
Acetone	0.25	1.2
Crotonaldehyde	0.25	0.99 M

Client Sample ID: ALB-ALD-TB

Lab ID#: 0705104-03A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.057



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-ALD-1

Lab ID#: 0705104-01A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507031	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/7/07 07:27 PM
		Date of Extraction:	5/7/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.53
Acetaldehyde	0.10	0.36
Propanal	0.25	Not Detected
Acetone	0.25	1.0
Crotonaldehyde	0.25	0.98 M
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-ALD-1 Lab Duplicate

Lab ID#: 0705104-01AA

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507032	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/7/07 07:45 PM
		Date of Extraction:	5/7/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.54
Acetaldehyde	0.10	0.36
Propanal	0.25	Not Detected
Acetone	0.25	0.97
Crotonaldehyde	0.25	0.96 M
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-ALD-2

Lab ID#: 0705104-02A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507033	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/7/07 08:03 PM
		Date of Extraction:	5/7/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.62
Acetaldehyde	0.10	0.63
Propanal	0.25	Not Detected
Acetone	0.25	1.2
Crotonaldehyde	0.25	0.99 M
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-ALD-TB

Lab ID#: 0705104-03A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507034	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/7/07 08:21 PM
		Date of Extraction:	5/7/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.057
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705104-04A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/7/07 09:31 AM
		Date of Extraction: 5/7/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705104-05A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0507006	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/7/07 10:03 AM
		Date of Extraction: 5/7/07

Compound	%Recovery
Formaldehyde	89
Acetaldehyde	95
Propanal	85
Acetone	106
Crotonaldehyde	98
Methyl Ethyl Ketone/Butyraldehydes	94
Benzaldehyde	92
Isopentanal	95
Pentanal	86
o-Tolualdehyde	97
m,p-Tolualdehyde	93
Hexanal	93

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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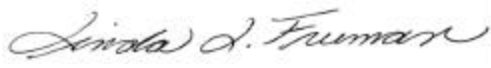
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705103BR1

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB Albany Landfill
DATE RECEIVED:	05/04/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	05/15/2007		
DATE REISSUED:	05/21/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-LFG-1	Modified ASTM D-1945	Tedlar Bag
02A	ALB-LFG-2	Modified ASTM D-1945	Tedlar Bag
03A	ALB-LFG-3	Modified ASTM D-1945	Tedlar Bag
04A	ALB-LFG-4	Modified ASTM D-1945	Tedlar Bag
04AA	ALB-LFG-4 Lab Duplicate	Modified ASTM D-1945	Tedlar Bag
05A	Lab Blank	Modified ASTM D-1945	NA
06A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 05/21/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0705103BR1

Four 1 Liter Tedlar Bag samples were received on May 04, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for fixed gases in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 75-125%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 25%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

THE WORKORDER WAS REISSUED ON 5/21/07 TO REPORT ADDITIONAL COMPOUNDS PER CLIENT'S REQUEST.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

J - Estimated value.

E - Exceeds instrument calibration range.

- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103BR1-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.5
Nitrogen	0.10	16
Methane	0.00010	45
Carbon Dioxide	0.010	35
Propane	0.0010	0.0013

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103BR1-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.8
Nitrogen	0.10	18
Methane	0.00010	42
Carbon Dioxide	0.010	35
Propane	0.0010	0.0020
Butane	0.0010	0.0013
Pentane	0.0010	0.0020

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103BR1-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	3.6
Nitrogen	0.10	18
Methane	0.00010	41
Carbon Dioxide	0.010	35
Propane	0.0010	0.0020
Butane	0.0010	0.0012
Pentane	0.0010	0.0024

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103BR1-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.3



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103BR1-04A

Nitrogen	0.10	20
Methane	0.00010	41
Carbon Dioxide	0.010	34
Propane	0.0010	0.0019
Butane	0.0010	0.0013
Pentane	0.0010	0.0014

Client Sample ID: ALB-LFG-4 Lab Duplicate

Lab ID#: 0705103BR1-04AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.3
Nitrogen	0.10	20
Methane	0.00010	41
Carbon Dioxide	0.010	34
Propane	0.0010	0.0019
Butane	0.0010	0.0013
Pentane	0.0010	0.0015



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-1

Lab ID#: 0705103BR1-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050503r1	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/5/07 10:20 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.5
Nitrogen	0.10	16
Methane	0.00010	45
Carbon Dioxide	0.010	35
Ethane	0.0010	Not Detected
Propane	0.0010	0.0013
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-2

Lab ID#: 0705103BR1-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050504r1	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/5/07 10:46 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.8
Nitrogen	0.10	18
Methane	0.00010	42
Carbon Dioxide	0.010	35
Ethane	0.0010	Not Detected
Propane	0.0010	0.0020
Butane	0.0010	0.0013
Pentane	0.0010	0.0020

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-3

Lab ID#: 0705103BR1-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050505r1	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/5/07 11:29 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	3.6
Nitrogen	0.10	18
Methane	0.00010	41
Carbon Dioxide	0.010	35
Ethane	0.0010	Not Detected
Propane	0.0010	0.0020
Butane	0.0010	0.0012
Pentane	0.0010	0.0024

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-4

Lab ID#: 0705103BR1-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050506r1	Date of Collection:	5/3/07
Dil. Factor:	1.00	Date of Analysis:	5/5/07 11:57 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.3
Nitrogen	0.10	20
Methane	0.00010	41
Carbon Dioxide	0.010	34
Ethane	0.0010	Not Detected
Propane	0.0010	0.0019
Butane	0.0010	0.0013
Pentane	0.0010	0.0014

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-LFG-4 Lab Duplicate

Lab ID#: 0705103BR1-04AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050507r1	Date of Collection: 5/3/07
Dil. Factor:	1.00	Date of Analysis: 5/5/07 12:20 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	2.3
Nitrogen	0.10	20
Methane	0.00010	41
Carbon Dioxide	0.010	34
Ethane	0.0010	Not Detected
Propane	0.0010	0.0019
Butane	0.0010	0.0013
Pentane	0.0010	0.0015

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705103BR1-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050502	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/5/07 09:43 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705103BR1-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9050522	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/07 08:00 PM

Compound	%Recovery
Oxygen	100
Nitrogen	100
Methane	99
Carbon Dioxide	100
Ethane	99
Propane	98
Butane	100
Pentane	100

Container Type: NA - Not Applicable

LABORATORY ANALYSIS REPORT

ESIS Environmental Health Laboratory
100 Sebetho Drive, Suite A-5
Cromwell, CT 06416
(860) 635-6473 or (800) 243-4903



State of Connecticut Approval #PH 0510
Lab Accreditations: AIHA and ELLAP Lab #100127

Report #: C0726169

P.O. No.: ALR
Albany Landfill

Date Received: 5/4/2007

Date Reported: 5/22/2007

Page 1 of 1

To: Kenneth J. Skipka
RTP Environmental Associates, Inc.
400 Post Ave. Suite 105
Westbury, NY 11590

Analysis: Organic Acids
Analytical Method: Ion Chromatography; EHL In-House Method - SKC 226-10-03

Sample Number	Air Volume (Liters)	Component	ug	mg/m ³	ppm
ALB-VOA-1	330	Glycolic Acid	<2.97	<0.0090	<0.0029
		Formic Acid	<2.97	<0.0090	<0.0048
		Acetic Acid	<2.97	<0.0090	<0.0037
		Propionic Acid	<2.97	<0.0090	<0.0030
		Butyric Acid	<7.32	<0.022	<0.0062
		Isovaleric Acid	<2.97	<0.0090	<0.0022
ALB-VOA-2	330	Glycolic Acid	<2.97	<0.0090	<0.0029
		Formic Acid	<2.97	<0.0090	<0.0048
		Acetic Acid	<2.97	<0.0090	<0.0037
		Propionic Acid	<2.97	<0.0090	<0.0030
		Butyric Acid	<7.32	<0.022	<0.0062
		Isovaleric Acid	<2.97	<0.0090	<0.0022
ALB-VOA-PB	---	Glycolic Acid	<2.97	Reporting Limit: 2.97 ug	
		Formic Acid	<2.97	Reporting Limit: 2.97 ug	
		Acetic Acid	<2.97	Reporting Limit: 2.97 ug	
		Propionic Acid	<2.97	Reporting Limit: 2.97 ug	
		Butyric Acid	<7.32	Reporting Limit: 7.32 ug	
		Isovaleric Acid	<2.97	Reporting Limit: 2.97 ug	

Samples analyzed by ion chromatography are quantitated by matching the retention times of sample peaks with those of known compounds. A matching retention time is not proof of chemical identity.

Concentrations reported are based on air volumes provided.

Unless noted otherwise above, the condition of samples on receipt was acceptable.

Analyst: Najaaf Bhura

Date: 5/22/2007



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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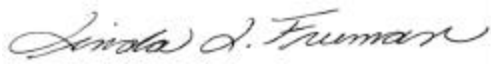
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0706143

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	06/07/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	06/19/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-AT-BLK	Modified TO-15	Tedlar Bag
02A	Lab Blank	Modified TO-15	NA
03A	CCV	Modified TO-15	NA
04A	LCS	Modified TO-15	NA

CERTIFIED BY:  DATE: 06/19/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
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**LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0706143**

One 1 Liter Tedlar Bag sample was received on June 07, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of quantified amounts.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no

performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB-AT-BLK

Lab ID#: 0706143-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	2.0	11	4.9	26
Carbon Disulfide	0.50	1.1	1.6	3.3
Methylene Chloride	0.50	0.79	1.7	2.8
Toluene	0.50	2.5	1.9	9.3
Ethyl Benzene	0.50	2.3	2.2	10
m,p-Xylene	0.50	11	2.2	48
o-Xylene	0.50	5.0	2.2	22



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-BLK

Lab ID#: 0706143-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060818	Date of Collection:	6/6/07
Dil. Factor:	1.00	Date of Analysis:	6/8/07 07:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	11	4.9	26
Carbon Disulfide	0.50	1.1	1.6	3.3
Methylene Chloride	0.50	0.79	1.7	2.8
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	2.5	1.9	9.3
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	2.3	2.2	10
m,p-Xylene	0.50	11	2.2	48
o-Xylene	0.50	5.0	2.2	22
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-AT-BLK

Lab ID#: 0706143-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060818	Date of Collection: 6/6/07
Dil. Factor:	1.00	Date of Analysis: 6/8/07 07:51 PM

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0706143-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060815	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 05:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0706143-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060815	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 05:23 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0706143-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060809	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 01:30 PM

Compound	%Recovery
Freon 12	112
Chloromethane	123
Vinyl Chloride	114
Chloroethane	107
Freon 11	110
Ethanol	112
1,1-Dichloroethene	110
Acetone	102
2-Propanol	108
Carbon Disulfide	104
Methylene Chloride	114
trans-1,2-Dichloroethene	100
Hexane	108
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	108
Chloroform	114
1,1,1-Trichloroethane	112
Carbon Tetrachloride	115
Benzene	110
1,2-Dichloroethane	116
Trichloroethene	110
1,2-Dichloropropane	111
Bromodichloromethane	115
4-Methyl-2-pentanone	116
Toluene	106
Tetrachloroethene	112
1,2-Dibromoethane (EDB)	113
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	103
o-Xylene	100
1,1,1,2-Tetrachloroethane	101
Acrylonitrile	105
1,4-Dichlorobenzene	96
1,3-Dichlorobenzene	94
1,2-Dichlorobenzene	93
Dichlorofluoromethane	108
Chlorodifluoromethane	110



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0706143-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060809	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 01:30 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0706143-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060814	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 04:44 PM

Compound	%Recovery
Freon 12	106
Chloromethane	116
Vinyl Chloride	108
Chloroethane	103
Freon 11	108
Ethanol	120
1,1-Dichloroethene	119
Acetone	101
2-Propanol	109
Carbon Disulfide	99
Methylene Chloride	118
trans-1,2-Dichloroethene	96
Hexane	104
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	103
Chloroform	112
1,1,1-Trichloroethane	108
Carbon Tetrachloride	111
Benzene	107
1,2-Dichloroethane	116
Trichloroethene	107
1,2-Dichloropropane	108
Bromodichloromethane	113
4-Methyl-2-pentanone	115
Toluene	106
Tetrachloroethene	112
1,2-Dibromoethane (EDB)	108
Chlorobenzene	102
Ethyl Benzene	99
m,p-Xylene	98
o-Xylene	97
1,1,1,2-Tetrachloroethane	97
Acrylonitrile	Not Spiked
1,4-Dichlorobenzene	93
1,3-Dichlorobenzene	93
1,2-Dichlorobenzene	91
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0706143-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t060814	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/8/07 04:44 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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- Results; and
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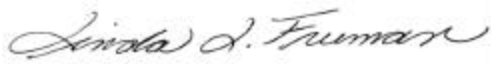
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708079A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB2 Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/17/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB2AT-1	Modified TO-15/TICs	6.5 "Hg
01AA	ALB2AT-1 Lab Duplicate	Modified TO-15/TICs	6.5 "Hg
02A	ALB2AT-2	Modified TO-15/TICs	6.5 "Hg
03A	ALB2AT-3	Modified TO-15/TICs	6.5 "Hg
04A	ALB2AT-4	Modified TO-15/TICs	6.0 "Hg
05A	ALB2AT-5	Modified TO-15/TICs	6.0 "Hg
06A	Lab Blank	Modified TO-15/TICs	NA
07A	CCV	Modified TO-15/TICs	NA
08A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:  DATE: 08/17/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
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**LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0708079A**



Five 6 Liter Summa Canister samples were received on August 03, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no

performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB2AT-1

Lab ID#: 0708079A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	16	8.1	39
Methylene Chloride	0.86	0.94	3.0	3.2
2-Butanone (Methyl Ethyl Ketone)	0.86	1.1	2.5	3.2

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethylene oxide(DOT)	75-21-8	64%	9.2 N J
Unknown	NA	NA	13 J
Cyclopropane, methylmethylene-	18631-84-0	78%	12 N J

Client Sample ID: ALB2AT-1 Lab Duplicate

Lab ID#: 0708079A-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	16	8.1	39
Methylene Chloride	0.86	1.0	3.0	3.4
2-Butanone (Methyl Ethyl Ketone)	0.86	1.2	2.5	3.5

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethylene oxide(DOT)	75-21-8	7.0%	14 N J
Unknown	NA	NA	18 J
Cyclopropane, methylmethylene-	18631-84-0	72%	12 N J

Client Sample ID: ALB2AT-2

Lab ID#: 0708079A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	3.4	4.4	6.4	8.3
Acetone	3.4	13	8.1	31
Carbon Disulfide	0.86	1.3	2.7	4.0
Hexane	0.86	1.4	3.0	5.1
2-Butanone (Methyl Ethyl Ketone)	0.86	2.0	2.5	6.0
m,p-Xylene	0.86	0.87	3.7	3.8



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB2AT-2

Lab ID#: 0708079A-02A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethylene oxide(DOT)	75-21-8	9.0%	5.2 N J
Butane, 2-methyl-	78-78-4	80%	6.4 N J
Pentane, 2-methyl-	107-83-5	87%	4.7 N J
4-METHYLPENTYL ISOTHIOCYANATE	0-00-0	33%	5.9 N J

Client Sample ID: ALB2AT-3

Lab ID#: 0708079A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	5.5	8.1	13

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	10 J
1,2-Pentadiene	591-95-7	83%	6.3 N J

Client Sample ID: ALB2AT-4

Lab ID#: 0708079A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	6.9	8.0	16

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	15 J
1,4-Pentadiene	591-93-5	55%	6.4 N J

Client Sample ID: ALB2AT-5

Lab ID#: 0708079A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	7.6	8.0	18
2-Butanone (Methyl Ethyl Ketone)	0.84	1.1	2.5	3.2



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB2AT-5

Lab ID#: 0708079A-05A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethylene oxide(DOT)	75-21-8	2.0%	7.2 N J
Unknown	NA	NA	9.7 J
1,3-Butadiene, 2-methyl-	78-79-5	91%	5.4 N J
1-Hexyn-3-ol	105-31-7	45%	5.5 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-1

Lab ID#: 0708079A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081607	Date of Collection:	8/1/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 12:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	16	8.1	39
2-Propanol	3.4	Not Detected	8.4	Not Detected
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
Methylene Chloride	0.86	0.94	3.0	3.2
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	1.1	2.5	3.2
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-1

Lab ID#: 0708079A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081607	Date of Collection:	8/1/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 12:59 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethylene oxide(DOT)	75-21-8	64%	9.2 N J
Unknown	NA	NA	13 J
Cyclopropane, methylenemethylene-	18631-84-0	78%	12 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	82	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-1 Lab Duplicate

Lab ID#: 0708079A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081608	Date of Collection:	8/1/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 01:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	16	8.1	39
2-Propanol	3.4	Not Detected	8.4	Not Detected
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
Methylene Chloride	0.86	1.0	3.0	3.4
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	1.2	2.5	3.5
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-1 Lab Duplicate

Lab ID#: 0708079A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081608	Date of Collection:	8/1/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 01:49 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethylene oxide(DOT)	75-21-8	7.0%	14 N J
Unknown	NA	NA	18 J
Cyclopropane, methylenemethylene-	18631-84-0	72%	12 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	82	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-2

Lab ID#: 0708079A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081609	Date of Collection:	8/2/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 02:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	4.4	6.4	8.3
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	13	8.1	31
2-Propanol	3.4	Not Detected	8.4	Not Detected
Carbon Disulfide	0.86	1.3	2.7	4.0
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	1.4	3.0	5.1
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	2.0	2.5	6.0
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	0.87	3.7	3.8
o-Xylene	0.86	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-2

Lab ID#: 0708079A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081609	Date of Collection:	8/2/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 02:39 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethylene oxide(DOT)	75-21-8	9.0%	5.2 N J
Butane, 2-methyl-	78-78-4	80%	6.4 N J
Pentane, 2-methyl-	107-83-5	87%	4.7 N J
4-METHYLPENTYL ISOTHIOCYANATE	0-00-0	33%	5.9 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	80	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-3

Lab ID#: 0708079A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081610	Date of Collection:	8/2/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 03:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	5.5	8.1	13
2-Propanol	3.4	Not Detected	8.4	Not Detected
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-3

Lab ID#: 0708079A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081610	Date of Collection:	8/2/07
Dil. Factor:	1.71	Date of Analysis:	8/16/07 03:26 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	10 J
1,2-Pentadiene	591-95-7	83%	6.3 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	82	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-4

Lab ID#: 0708079A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081611	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/16/07 04:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	6.9	8.0	16
2-Propanol	3.4	Not Detected	8.2	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-4

Lab ID#: 0708079A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081611	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/16/07 04:24 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	15 J
1,4-Pentadiene	591-93-5	55%	6.4 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	82	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-5

Lab ID#: 0708079A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081612	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/16/07 05:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	7.6	8.0	18
2-Propanol	3.4	Not Detected	8.2	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	1.1	2.5	3.2
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-5

Lab ID#: 0708079A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081612	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/16/07 05:02 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethylene oxide(DOT)	75-21-8	2.0%	7.2 N J
Unknown	NA	NA	9.7 J
1,3-Butadiene, 2-methyl-	78-79-5	91%	5.4 N J
1-Hexyn-3-ol	105-31-7	45%	5.5 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	81	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708079A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081606	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 11:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708079A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081606	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 11:57 AM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	83	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	93	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708079A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 09:03 AM

Compound	%Recovery
Freon 12	91
Chloromethane	88
Vinyl Chloride	103
Chloroethane	110
Freon 11	110
Ethanol	98
1,1-Dichloroethene	111
Acetone	107
2-Propanol	107
Carbon Disulfide	104
Methylene Chloride	109
trans-1,2-Dichloroethene	105
Hexane	109
1,1-Dichloroethane	110
2-Butanone (Methyl Ethyl Ketone)	110
Chloroform	108
1,1,1-Trichloroethane	110
Carbon Tetrachloride	111
Benzene	100
1,2-Dichloroethane	114
Trichloroethene	104
1,2-Dichloropropane	105
Bromodichloromethane	101
4-Methyl-2-pentanone	95
Toluene	88
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	106
Chlorobenzene	99
Ethyl Benzene	102
m,p-Xylene	100
o-Xylene	99
1,1,2,2-Tetrachloroethane	94
1,4-Dichlorobenzene	94
1,3-Dichlorobenzene	96
1,2-Dichlorobenzene	90
Dichlorofluoromethane	100
Chlorodifluoromethane	94
Acrylonitrile	101



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708079A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 09:03 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708079A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 09:44 AM

Compound	%Recovery
Freon 12	95
Chloromethane	91
Vinyl Chloride	110
Chloroethane	118
Freon 11	113
Ethanol	122
1,1-Dichloroethene	132 Q
Acetone	118
2-Propanol	124
Carbon Disulfide	114
Methylene Chloride	130
trans-1,2-Dichloroethene	113
Hexane	122
1,1-Dichloroethane	123
2-Butanone (Methyl Ethyl Ketone)	124
Chloroform	117
1,1,1-Trichloroethane	115
Carbon Tetrachloride	115
Benzene	109
1,2-Dichloroethane	122
Trichloroethene	111
1,2-Dichloropropane	115
Bromodichloromethane	108
4-Methyl-2-pentanone	107
Toluene	100
Tetrachloroethene	113
1,2-Dibromoethane (EDB)	108
Chlorobenzene	105
Ethyl Benzene	108
m,p-Xylene	105
o-Xylene	106
1,1,1,2-Tetrachloroethane	102
1,4-Dichlorobenzene	98
1,3-Dichlorobenzene	99
1,2-Dichlorobenzene	94
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708079A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7081603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/07 09:44 AM

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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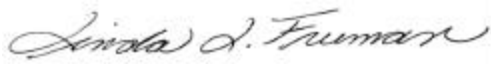
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708065A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB2 Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/16/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB2-AT-1	Modified TO-15/TICs	Tedlar Bag
02A(cancelled)	ALB2-AT-2	Modified TO-15/TICs	Tedlar Bag
03A	ALB2-LFG 1	Modified TO-15/TICs	Tedlar Bag
04A	Lab Blank	Modified TO-15/TICs	NA
05A	CCV	Modified TO-15/TICs	NA
06A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:  DATE: 08/16/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0708065A



Three 1 Liter Tedlar Bag samples were received on August 03, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample ALB-2-AT-2 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

The Tedlar bag for sample ALB2-AT-2 was found to be deflated at the time of screening. The client was notified that analysis was not possible.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.53	2.5	2.6
Ethanol	2.0	29	3.8	55
Acetone	2.0	25	4.8	59
2-Propanol	2.0	65	4.9	160
Carbon Disulfide	0.50	16	1.6	50
Methylene Chloride	0.50	5.6	1.7	19
Hexane	0.50	0.96	1.8	3.4
2-Butanone (Methyl Ethyl Ketone)	0.50	9.2	1.5	27
Toluene	0.50	4.5	1.9	17
m,p-Xylene	0.50	0.97	2.2	4.2

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	42%	4.3 N J
1-Propene, 2-methyl-	115-11-7	50%	10 N J
Acetaldehyde	75-07-0	4.0%	3.3 N J
Butane, 2-methyl-	78-78-4	80%	6.1 N J
1,3-Butadiene, 2-methyl-	78-79-5	94%	7.3 N J
Pentane, 2-bromo-	107-81-3	72%	4.8 N J
Octane	111-65-9	59%	6.0 N J
Octane, 4-methyl-	2216-34-4	90%	7.3 N J
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	53%	7.2 N J
Undecane, 5-methyl-	1632-70-8	83%	5.5 N J

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	66	1200	330	6200
Freon 11	66	520	370	2900
Ethanol	270	67000 E	500	130000 E
Acetone	270	8300	630	20000
2-Propanol	270	10000	650	25000
Carbon Disulfide	66	990	210	3100
Methylene Chloride	66	590	230	2000
Hexane	66	1400	230	5100



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065A-03A

1,1-Dichloroethane	66	160	270	640
2-Butanone (Methyl Ethyl Ketone)	66	11000	200	32000
1,1,1-Trichloroethane	66	68	360	370
Benzene	66	1200	210	3700
1,2-Dichloroethane	66	150	270	610
Trichloroethene	66	680	360	3700
4-Methyl-2-pentanone	66	560	270	2300
Toluene	66	11000	250	41000
Tetrachloroethene	66	600	450	4000
Ethyl Benzene	66	2800	290	12000
m,p-Xylene	66	4800	290	21000
o-Xylene	66	1400	290	6300
1,4-Dichlorobenzene	66	100	400	610
Dichlorofluoromethane	270	900	1100	3800
Chlorodifluoromethane	270	1200	940	4400

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
2-Butenal, (E)-	123-73-9	72%	9200 N J
Propane, 2-methyl-	75-28-5	25%	11000 N J
Butane	106-97-8	64%	8900 N J
Butane, 2-methyl-	78-78-4	80%	18000 N J
Pentane	109-66-0	90%	20000 N J
1-Butanol	71-36-3	83%	8000 N J
.alpha.-Pinene	80-56-8	96%	20000 N J
Octane	111-65-9	64%	8500 N J
Propanoic acid, 2-methyl-, butyl ester	97-87-0	80%	8200 N J
Bicyclo[2.2.1]hept-2-ene, 1,7,7-trimethy	464-17-5	90%	9000 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080317	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 08:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.53	2.5	2.6
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	29	3.8	55
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	25	4.8	59
2-Propanol	2.0	65	4.9	160
Carbon Disulfide	0.50	16	1.6	50
Methylene Chloride	0.50	5.6	1.7	19
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	0.96	1.8	3.4
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	9.2	1.5	27
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	4.5	1.9	17
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.97	2.2	4.2
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080317	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 08:47 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Propane, 2-methyl-	75-28-5	42%	4.3 N J
1-Propene, 2-methyl-	115-11-7	50%	10 N J
Acetaldehyde	75-07-0	4.0%	3.3 N J
Butane, 2-methyl-	78-78-4	80%	6.1 N J
1,3-Butadiene, 2-methyl-	78-79-5	94%	7.3 N J
Pentane, 2-bromo-	107-81-3	72%	4.8 N J
Octane	111-65-9	59%	6.0 N J
Octane, 4-methyl-	2216-34-4	90%	7.3 N J
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	53%	7.2 N J
Undecane, 5-methyl-	1632-70-8	83%	5.5 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	119	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080318	Date of Collection:	8/2/07
Dil. Factor:	133	Date of Analysis:	8/3/07 09:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	66	1200	330	6200
Chloromethane	270	Not Detected	550	Not Detected
Vinyl Chloride	66	Not Detected	170	Not Detected
Chloroethane	66	Not Detected	180	Not Detected
Freon 11	66	520	370	2900
Ethanol	270	67000 E	500	130000 E
1,1-Dichloroethene	66	Not Detected	260	Not Detected
Acetone	270	8300	630	20000
2-Propanol	270	10000	650	25000
Carbon Disulfide	66	990	210	3100
Methylene Chloride	66	590	230	2000
trans-1,2-Dichloroethene	66	Not Detected	260	Not Detected
Hexane	66	1400	230	5100
1,1-Dichloroethane	66	160	270	640
2-Butanone (Methyl Ethyl Ketone)	66	11000	200	32000
Chloroform	66	Not Detected	320	Not Detected
1,1,1-Trichloroethane	66	68	360	370
Carbon Tetrachloride	66	Not Detected	420	Not Detected
Benzene	66	1200	210	3700
1,2-Dichloroethane	66	150	270	610
Trichloroethene	66	680	360	3700
1,2-Dichloropropane	66	Not Detected	310	Not Detected
Bromodichloromethane	66	Not Detected	440	Not Detected
4-Methyl-2-pentanone	66	560	270	2300
Toluene	66	11000	250	41000
Tetrachloroethene	66	600	450	4000
1,2-Dibromoethane (EDB)	66	Not Detected	510	Not Detected
Chlorobenzene	66	Not Detected	310	Not Detected
Ethyl Benzene	66	2800	290	12000
m,p-Xylene	66	4800	290	21000
o-Xylene	66	1400	290	6300
1,1,2,2-Tetrachloroethane	66	Not Detected	460	Not Detected
1,4-Dichlorobenzene	66	100	400	610
1,3-Dichlorobenzene	66	Not Detected	400	Not Detected
1,2-Dichlorobenzene	66	Not Detected	400	Not Detected
Dichlorofluoromethane	270	900	1100	3800
Chlorodifluoromethane	270	1200	940	4400
Acrylonitrile	270	Not Detected	580	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080318	Date of Collection:	8/2/07
Dil. Factor:	133	Date of Analysis:	8/3/07 09:27 PM

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
2-Butenal, (E)-	123-73-9	72%	9200 N J
Propane, 2-methyl-	75-28-5	25%	11000 N J
Butane	106-97-8	64%	8900 N J
Butane, 2-methyl-	78-78-4	80%	18000 N J
Pentane	109-66-0	90%	20000 N J
1-Butanol	71-36-3	83%	8000 N J
.alpha.-Pinene	80-56-8	96%	20000 N J
Octane	111-65-9	64%	8500 N J
Propanoic acid, 2-methyl-, butyl ester	97-87-0	80%	8200 N J
Bicyclo[2.2.1]hept-2-ene, 1,7,7-trimethy	464-17-5	90%	9000 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708065A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080316	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 07:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708065A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080316	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 07:58 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
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None Identified

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708065A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 10:05 AM

Compound	%Recovery
Freon 12	90
Chloromethane	91
Vinyl Chloride	113
Chloroethane	124
Freon 11	108
Ethanol	117
1,1-Dichloroethene	118
Acetone	122
2-Propanol	124
Carbon Disulfide	117
Methylene Chloride	123
trans-1,2-Dichloroethene	115
Hexane	125
1,1-Dichloroethane	119
2-Butanone (Methyl Ethyl Ketone)	123
Chloroform	109
1,1,1-Trichloroethane	106
Carbon Tetrachloride	105
Benzene	109
1,2-Dichloroethane	114
Trichloroethene	108
1,2-Dichloropropane	118
Bromodichloromethane	103
4-Methyl-2-pentanone	110
Toluene	95
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	107
Chlorobenzene	102
Ethyl Benzene	107
m,p-Xylene	104
o-Xylene	104
1,1,1,2-Tetrachloroethane	101
1,4-Dichlorobenzene	100
1,3-Dichlorobenzene	99
1,2-Dichlorobenzene	98
Dichlorofluoromethane	106
Chlorodifluoromethane	106
Acrylonitrile	110



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708065A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 10:05 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708065A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080304	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 10:52 AM

Compound	%Recovery
Freon 12	93
Chloromethane	96
Vinyl Chloride	116
Chloroethane	128
Freon 11	111
Ethanol	139
1,1-Dichloroethene	134 Q
Acetone	127
2-Propanol	132
Carbon Disulfide	121
Methylene Chloride	136 Q
trans-1,2-Dichloroethene	119
Hexane	129
1,1-Dichloroethane	127
2-Butanone (Methyl Ethyl Ketone)	128
Chloroform	112
1,1,1-Trichloroethane	109
Carbon Tetrachloride	108
Benzene	108
1,2-Dichloroethane	115
Trichloroethene	107
1,2-Dichloropropane	113
Bromodichloromethane	103
4-Methyl-2-pentanone	107
Toluene	99
Tetrachloroethene	118
1,2-Dibromoethane (EDB)	111
Chlorobenzene	102
Ethyl Benzene	106
m,p-Xylene	103
o-Xylene	105
1,1,2,2-Tetrachloroethane	100
1,4-Dichlorobenzene	101
1,3-Dichlorobenzene	101
1,2-Dichlorobenzene	96
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708065A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7080304	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 10:52 AM

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



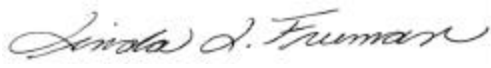
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708066A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/17/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB-2:VOST1.f	Modified VOST 5041A/8260B	
02A	ALB-2:VOST1.b	Modified VOST 5041A/8260B	
03A	ALB-2:TB1.f	Modified VOST 5041A/8260B	
04A	ALB-2:TB1.b	Modified VOST 5041A/8260B	
05A	Lab Blank	Modified VOST 5041A/8260B	NA
06A	LCS	Modified VOST 5041A/8260B	NA

CERTIFIED BY:  DATE: 08/17/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
VOST 5041A
RTP Environmental Associates
Workorder# 0708066A

Four VOST Tube samples were received on August 03, 2007. The laboratory performed the analysis via EPA SW-846 Method 5041A using GC/MS in the full scan mode. VOST sorbent tubes are thermally desorbed at 180 degrees centigrade for ten minutes by UHP helium carrier gas. The gas stream is then bubbled through 5 mL of organic free water and trapped on the sorbent trap of the purge and trap system. The trap is thermally desorbed to elute the components into the GC/MS system for further separation. See the data sheets for the reporting limits for each compound.

<i>Requirement</i>	<i>VOST 5041A</i>	<i>ATL Modifications</i>
Batch Certification	Blanks from the same media as samples	Analysis of set of cartridges prior to onset of any project; Sampling media provided by the client is batch certified ahead of time, only if client provides blank cartridges.
Method blank	Cartridges from the same media batches as the samples	Media batch is certified prior to use in the field. Method Blank is used to certify instrument is contaminant free
Connection between cartridge thermal desorption apparatus & sample purge vessel	PTFE 1/16" Teflon tubing	Heated, 1/16" silica lined stainless steel tubing
Calibration Criteria for non-CCCs	RSD +/- 15 % for all non-CCCs	RSD <= 30 % for some compounds: Acetone, Bromoform, Vinyl Acetate, Bromomethane, Chloromethane, 1,1,2,2-Tetrachloroethane, & 1,2,3-Trichloropropane

Receiving Notes

A Temperature Blank was not included with the shipment. Temperature was measured on a representative sample and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

The Chain of Custody contained incorrect method information. ATL proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

The recovery of internal standards in sample ALB-2:VOST1.f was outside control limits . It is not possible to re-run to confirm matrix or dilute for matrix using sorbent tube media. Data is reported as qualified.

Toluene was detected at concentrations exceeding the calibration range in sample ALB-2:VOST1.f. It is not possible to re-run the sample using sorbent tube media.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank or tube certification greater than reporting limit (background

subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB-2:VOST1.f

Lab ID#: 0708066A-01A

Compound	Rpt. Limit (ng)	Amount (ng)
Freon 11	10	82
Freon 113	10	21
Acetone	50	270
Methylene Chloride	10	57
Hexane	10	370
2-Butanone (Methyl Ethyl Ketone)	50	860
Chloroform	10	81
1,1,1-Trichloroethane	10	36
Carbon Tetrachloride	10	170
Benzene	10	270
Toluene	10	1500 E
Tetrachloroethene	10	72
Ethyl Benzene	10	200
m,p-Xylene	10	620
o-Xylene	10	250
Styrene	10	24
1,4-Dichlorobenzene	10	49
Cumene	10	33
Propylbenzene	10	68
1,3,5-Trimethylbenzene	10	110
1,2,4-Trimethylbenzene	10	330
Naphthalene	50	72

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	22%	250 N J
1,4-Pentadiene	591-93-5	83%	940 N J
Hexane, 3-methyl-	589-34-4	91%	280 N J
Heptane	142-82-5	87%	320 N J
Nonane	111-84-2	87%	220 N J
.alpha.-Pinene	80-56-8	96%	900 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	94%	440 N J
Bicyclo[3.1.0]hex-2-ene, 4-methyl-1-(1-m	28634-89-1	91%	250 N J
.beta.-Pinene	127-91-3	94%	560 N J
Benzene, 1,2,3-trimethyl-	526-73-8	94%	260 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB-2:VOST1.b

Lab ID#: 0708066A-02A

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	20
Freon 11	10	220
Freon 113	10	71
Acetone	50	230
Methylene Chloride	10	200
Hexane	10	17
2-Butanone (Methyl Ethyl Ketone)	50	57
1,1,1-Trichloroethane	10	12
Carbon Tetrachloride	10	32
Freon 12	10	750

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	53%	180 N J
1-Propene, 2-methyl-	115-11-7	72%	28 N J
Unknown	NA	NA	160 J
Butane, 2-methyl-	78-78-4	80%	320 N J
Pentane	109-66-0	86%	170 N J
1,4-Pentadiene	591-93-5	87%	1100 N J
Pentane, 2-methyl-	107-83-5	87%	62 N J
Cyclopentane, methyl-	96-37-7	78%	26 N J
Hexane, 2,2-dimethyl-	590-73-8	64%	42 N J
Ethane, hexachloro-	67-72-1	83%	31 N J

Client Sample ID: ALB-2:TB1.f

Lab ID#: 0708066A-03A

No Detections Were Found.

Client Sample ID: ALB-2:TB1.b

Lab ID#: 0708066A-04A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.f

Lab ID#: 0708066A-01A

MODIFIED VOST 5041A/8260B

File Name:	I081513	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/15/07 08:56 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	82
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	21
Carbon Disulfide	10	Not Detected
Acetone	50	270
3-Chloropropene	10	Not Detected
Methylene Chloride	10	57
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	370
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	860
Bromochloromethane	10	Not Detected
Chloroform	10	81
1,1,1-Trichloroethane	10	36
Carbon Tetrachloride	10	170
1,1-Dichloropropene	10	Not Detected
Benzene	10	270
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	1500 E
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	72
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.f

Lab ID#: 0708066A-01A

MODIFIED VOST 5041A/8260B

File Name:	I081513	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 08:56 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	200
m,p-Xylene	10	620
o-Xylene	10	250
Styrene	10	24
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	49
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	33
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	68
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	110
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	330
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	72
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.f

Lab ID#: 0708066A-01A

MODIFIED VOST 5041A/8260B

File Name:	I081513	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 08:56 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	22%	250 N J
1,4-Pentadiene	591-93-5	83%	940 N J
Hexane, 3-methyl-	589-34-4	91%	280 N J
Heptane	142-82-5	87%	320 N J
Nonane	111-84-2	87%	220 N J
.alpha.-Pinene	80-56-8	96%	900 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	94%	440 N J
Bicyclo[3.1.0]hex-2-ene, 4-methyl-1-(1-m	28634-89-1	91%	250 N J
.beta.-Pinene	127-91-3	94%	560 N J
Benzene, 1,2,3-trimethyl-	526-73-8	94%	260 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	94	70-130
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.b

Lab ID#: 0708066A-02A

MODIFIED VOST 5041A/8260B

File Name:	I081512	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 08:16 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	20
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	220
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	71
Carbon Disulfide	10	Not Detected
Acetone	50	230
3-Chloropropene	10	Not Detected
Methylene Chloride	10	200
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	17
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	57
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	12
Carbon Tetrachloride	10	32
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.b

Lab ID#: 0708066A-02A

MODIFIED VOST 5041A/8260B

File Name:	I081512	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/15/07 08:16 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	750

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	53%	180 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:VOST1.b

Lab ID#: 0708066A-02A

MODIFIED VOST 5041A/8260B

File Name:	I081512	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 08:16 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
1-Propene, 2-methyl-	115-11-7	72%	28 N J
Unknown	NA	NA	160 J
Butane, 2-methyl-	78-78-4	80%	320 N J
Pentane	109-66-0	86%	170 N J
1,4-Pentadiene	591-93-5	87%	1100 N J
Pentane, 2-methyl-	107-83-5	87%	62 N J
Cyclopentane, methyl-	96-37-7	78%	26 N J
Hexane, 2,2-dimethyl-	590-73-8	64%	42 N J
Ethane, hexachloro-	67-72-1	83%	31 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.f

Lab ID#: 0708066A-03A

MODIFIED VOST 5041A/8260B

File Name:	I081511	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/15/07 07:49 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.f

Lab ID#: 0708066A-03A

MODIFIED VOST 5041A/8260B

File Name:	I081511	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 07:49 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.f

Lab ID#: 0708066A-03A

MODIFIED VOST 5041A/8260B

File Name:	I081511	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 07:49 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.b

Lab ID#: 0708066A-04A

MODIFIED VOST 5041A/8260B

File Name:	I081510	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/15/07 07:21 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.b

Lab ID#: 0708066A-04A

MODIFIED VOST 5041A/8260B

File Name:	I081510	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/15/07 07:21 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:TB1.b

Lab ID#: 0708066A-04A

MODIFIED VOST 5041A/8260B

File Name:	I081510	Date of Collection: 8/2/07
Dil. Factor:	1.00	Date of Analysis: 8/15/07 07:21 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	96	70-130
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	111	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708066A-05A

MODIFIED VOST 5041A/8260B

File Name:	I081509	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:53 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708066A-05A

MODIFIED VOST 5041A/8260B

File Name:	I081509	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:53 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708066A-05A

MODIFIED VOST 5041A/8260B

File Name:	I081509	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:53 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	96	70-130
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708066A-06A

MODIFIED VOST 5041A/8260B

File Name:	I081508	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:16 PM

Compound	%Recovery
Chloromethane	72
Vinyl Chloride	80
Bromomethane	82
Chloroethane	72
Freon 11	72
2-Chloropropane	93
1,1-Dichloroethene	78
Freon 113	91
Carbon Disulfide	105
Acetone	70
3-Chloropropene	90
Methylene Chloride	82
trans-1,2-Dichloroethene	89
Acrylonitrile	99
Hexane	108
1,1-Dichloroethane	82
Vinyl Acetate	Not Detected
2,2-Dichloropropane	80
cis-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	93
Bromochloromethane	88
Chloroform	82
1,1,1-Trichloroethane	77
Carbon Tetrachloride	73
1,1-Dichloropropene	88
Benzene	86
1,2-Dichloroethane	74
Trichloroethene	91
1,2-Dichloropropane	91
Dibromomethane	80
Bromodichloromethane	78
cis-1,3-Dichloropropene	91
trans-1,3-Dichloropropene	90
4-Methyl-2-pentanone	94
Toluene	85
1,1,2-Trichloroethane	85
Tetrachloroethene	82
1,3-Dichloropropane	84
2-Hexanone	102



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708066A-06A

MODIFIED VOST 5041A/8260B

File Name:	I081508	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:16 PM

Compound	%Recovery
Dibromochloromethane	80
Chlorobenzene	87
1,2-Dibromoethane (EDB)	85
Ethyl Benzene	89
m,p-Xylene	88
o-Xylene	94
Styrene	92
Bromoform	79
1,1,2,2-Tetrachloroethane	90
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	91
1,2-Dichlorobenzene	96
Cumene	96
cis-1,4-Dichloro-2-butene	92
Bromobenzene	89
1,2,3-Trichloropropane	80
trans-1,4-Dichloro-2-butene	86
Propylbenzene	95
2-Chlorotoluene	92
4-Chlorotoluene	89
1,3,5-Trimethylbenzene	85
tert-Butylbenzene	97
1,2,4-Trimethylbenzene	85
sec-Butylbenzene	95
p-Cymene	97
1,2-Dibromo-3-chloropropane	102
1,2,4-Trichlorobenzene	99
Naphthalene	118
Hexachlorobutadiene	106
1,2,3-Trichlorobenzene	109
1,1,1,2-Tetrachloroethane	80
Butylbenzene	90
Iodomethane	111
Freon 12	62

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708066A-06A

MODIFIED VOST 5041A/8260B

File Name:	I081508	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/15/07 06:16 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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**(916) 985-1000 .FAX (916) 985-1020
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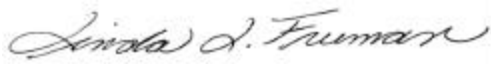
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708065C

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB2 Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/07/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB2-AT-1	ASTM D-5504	Tedlar Bag
02A	ALB2-AT-2	ASTM D-5504	Tedlar Bag
03A	ALB2-LFG 1	ASTM D-5504	Tedlar Bag
04A	Lab Blank	ASTM D-5504	NA
05A	LCS	ASTM D-5504	NA

CERTIFIED BY:  DATE: 08/07/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
ASTM D-5504
RTP Environmental Associates
Workorder# 0708065C

Three 1 Liter Tedlar Bag samples were received on August 03, 2007. The laboratory performed the analysis of sulfur compounds via ASTM D-5504 using GC/SCD. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Receiving Notes

The Chain of Custody (COC) information for sample ALB-2-AT-2 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

Sulfur samples were received past the recommended hold time of 24 hours. Analysis proceeded.

Analytical Notes

Ethyl Methyl Sulfide and n-Butyl Mercaptan coelute with 3-Methyl Thiophene.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065C-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	21
Carbon Disulfide	4.0	12

Client Sample ID: ALB2-AT-2

Lab ID#: 0708065C-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Carbonyl Sulfide	4.0	16
Carbon Disulfide	4.0	9.6

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065C-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	1900000
Isopropyl Mercaptan	10000	13000



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065C-01A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I080311	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 12:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	21
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	12
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-2

Lab ID#: 0708065C-02A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I080312	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 01:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	16
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	9.6
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065C-03A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I080313	Date of Collection:	8/2/07
Dil. Factor:	2500	Date of Analysis:	8/3/07 01:36 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	10000	1900000
Carbonyl Sulfide	10000	Not Detected
Methyl Mercaptan	10000	Not Detected
Ethyl Mercaptan	10000	Not Detected
Dimethyl Sulfide	10000	Not Detected
Carbon Disulfide	10000	Not Detected
Isopropyl Mercaptan	10000	13000
tert-Butyl Mercaptan	10000	Not Detected
n-Propyl Mercaptan	10000	Not Detected
Thiophene	10000	Not Detected
Isobutyl Mercaptan	10000	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	10000	Not Detected
Diethyl Sulfide	10000	Not Detected
Dimethyl Disulfide	10000	Not Detected
Tetrahydrothiophene	10000	Not Detected
2-Ethylthiophene	10000	Not Detected
2,5-Dimethylthiophene	10000	Not Detected
Diethyl Disulfide	10000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708065C-04A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I080305	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 10:19 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708065C-05A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I080303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 09:35 AM

Compound	%Recovery
Hydrogen Sulfide	89
Carbonyl Sulfide	84
Methyl Mercaptan	88
Ethyl Mercaptan	82
Dimethyl Sulfide	82
Carbon Disulfide	79
Isopropyl Mercaptan	84
tert-Butyl Mercaptan	85
n-Propyl Mercaptan	87
Thiophene	77
Isobutyl Mercaptan	88
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	86
Diethyl Sulfide	81
Dimethyl Disulfide	83
Tetrahydrothiophene	88
2-Ethylthiophene	76
2,5-Dimethylthiophene	79
Diethyl Disulfide	86

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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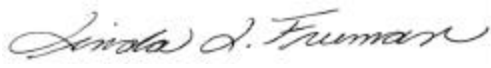
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708079B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB2 Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/15/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB2AT-1	Modified ASTM D-1945	6.5 "Hg
02A	ALB2AT-2	Modified ASTM D-1945	6.5 "Hg
03A	ALB2AT-3	Modified ASTM D-1945	6.5 "Hg
04A	ALB2AT-4	Modified ASTM D-1945	6.0 "Hg
05A	ALB2AT-5	Modified ASTM D-1945	6.0 "Hg
05AA	ALB2AT-5 Lab Duplicate	Modified ASTM D-1945	6.0 "Hg
06A	Lab Blank	Modified ASTM D-1945	NA
07A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 08/15/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0708079B

Five 6 Liter Summa Canister samples were received on August 03, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for Methane in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample. See the data sheet for the reporting limit.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 75-125%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 25%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

Client Sample ID: ALB2AT-1

Lab ID#: 0708079B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00020

Client Sample ID: ALB2AT-2

Lab ID#: 0708079B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00032

Client Sample ID: ALB2AT-3

Lab ID#: 0708079B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00034

Client Sample ID: ALB2AT-4

Lab ID#: 0708079B-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00024

Client Sample ID: ALB2AT-5

Lab ID#: 0708079B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00040

Client Sample ID: ALB2AT-5 Lab Duplicate

Lab ID#: 0708079B-05AA

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00040



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-1

Lab ID#: 0708079B-01A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080605	Date of Collection:	8/1/07
Dil. Factor:	1.71	Date of Analysis:	8/6/07 08:42 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00020

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-2

Lab ID#: 0708079B-02A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080606	Date of Collection: 8/2/07
Dil. Factor:	1.71	Date of Analysis: 8/6/07 09:03 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00032

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-3

Lab ID#: 0708079B-03A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080607	Date of Collection:	8/2/07
Dil. Factor:	1.71	Date of Analysis:	8/6/07 09:24 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00034

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-4

Lab ID#: 0708079B-04A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080608	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/6/07 09:45 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00024

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-5

Lab ID#: 0708079B-05A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080609	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/6/07 10:06 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00040

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2AT-5 Lab Duplicate

Lab ID#: 0708079B-05AA

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080610	Date of Collection:	8/2/07
Dil. Factor:	1.68	Date of Analysis:	8/6/07 10:27 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00040

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708079B-06A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080604	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/6/07 06:47 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708079B-07A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9080622	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/6/07 05:45 PM

Compound	%Recovery
Methane	99

Container Type: NA - Not Applicable



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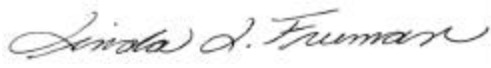
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WORK ORDER #: 0708066B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/15/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	ALB-2:ALD-1	Modified TO-11A
01AA	ALB-2:ALD-1 Lab Duplicate	Modified TO-11A
02A	ALB-2:ALD-2	Modified TO-11A
03A	ALB-2:ALD-TB	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A

CERTIFIED BY:  DATE: 08/15/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
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LABORATORY NARRATIVE
Modified TO-11A
RTP Environmental Associates
Workorder# 0708066B

Three TO-11 Cartridge samples were received on August 03, 2007. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-11A</i>	<i>ATL Modifications</i>
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD ≤ 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

A Temperature Blank was not included with the shipment. Temperature was measured on a representative sample and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

The concentration of Propanal was below the Reporting Limit in the duplicate analysis of sample ALB-2:ALD-1. %RPD method control limits are waived when analyte concentration in either the initial or the duplicate analysis is less than 5X the Reporting Limit. In addition, % RPD is not reported when one of the two replicate analyte concentrations is below the Reporting Limit.

The concentration of Hexanal was below the Reporting Limit in the initial analysis of sample ALB-2:ALD-1. %RPD method control limits are waived when analyte concentration in either the initial or the duplicate analysis is less than 5X the Reporting Limit. In addition, % RPD is not reported when one of the two replicate analyte concentrations is below the Reporting Limit.

Analytical anomalies of samples are notated by data qualifying flags. Definitions for each data qualifying flag

can be found on associated sample result summary pages.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

Client Sample ID: ALB-2:ALD-1

Lab ID#: 0708066B-01A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.6
Acetaldehyde	0.10	1.2
Propanal	0.25	0.27
Acetone	0.25	1.2

Client Sample ID: ALB-2:ALD-1 Lab Duplicate

Lab ID#: 0708066B-01AA

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.6
Acetaldehyde	0.10	1.1
Acetone	0.25	1.0
Hexanal	0.25	0.26

Client Sample ID: ALB-2:ALD-2

Lab ID#: 0708066B-02A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.2
Acetaldehyde	0.10	1.0
Acetone	0.25	1.2

Client Sample ID: ALB-2:ALD-TB

Lab ID#: 0708066B-03A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:ALD-1

Lab ID#: 0708066B-01A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806020	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/6/07 04:57 PM
		Date of Extraction:	8/6/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.6
Acetaldehyde	0.10	1.2
Propanal	0.25	0.27
Acetone	0.25	1.2
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:ALD-1 Lab Duplicate

Lab ID#: 0708066B-01AA

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806021	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/6/07 05:18 PM
		Date of Extraction:	8/6/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.6
Acetaldehyde	0.10	1.1
Propanal	0.25	Not Detected
Acetone	0.25	1.0
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	0.26

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:ALD-2

Lab ID#: 0708066B-02A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806022	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/6/07 05:39 PM
		Date of Extraction:	8/6/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	2.2
Acetaldehyde	0.10	1.0
Propanal	0.25	Not Detected
Acetone	0.25	1.2
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB-2:ALD-TB

Lab ID#: 0708066B-03A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806023	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/6/07 06:00 PM
		Date of Extraction:	8/6/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708066B-04A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806003	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/6/07 09:40 AM
		Date of Extraction:	8/6/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708066B-05A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0806006	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/6/07 11:08 AM
		Date of Extraction: 8/6/07

Compound	%Recovery
Formaldehyde	101
Acetaldehyde	101
Propanal	102
Acetone	109
Crotonaldehyde	102
Methyl Ethyl Ketone/Butyraldehydes	101
Benzaldehyde	101
Isopentanal	103
Pentanal	99
o-Tolualdehyde	98
m,p-Tolualdehyde	99
Hexanal	101

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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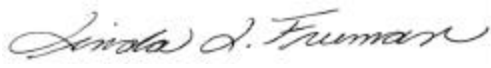
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708065B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB2 Albany Landfill
DATE RECEIVED:	08/03/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	08/15/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB2-AT-1	Modified ASTM D-1945	Tedlar Bag
02A	ALB2-AT-2	Modified ASTM D-1945	Tedlar Bag
03A	ALB2-LFG 1	Modified ASTM D-1945	Tedlar Bag
04A	Lab Blank	Modified ASTM D-1945	NA
05A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 08/15/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0708065B

Three 1 Liter Tedlar Bag samples were received on August 03, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for Methane and fixed gases in natural gas using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample. See the data sheets for the reporting limits for each compound.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 75-125%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 25%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

The Chain of Custody (COC) information for sample ALB-2-AT-2 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

The Tedlar bag for sample ALB2-AT-2 were found to be deflated at the time of screening. The client was notified that analysis was not possible.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	22
Nitrogen	0.10	78
Methane	0.00010	0.00023
Carbon Dioxide	0.010	0.047

Client Sample ID: ALB2-AT-2

Lab ID#: 0708065B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	22
Nitrogen	0.10	78
Methane	0.00010	0.00035
Carbon Dioxide	0.010	0.040

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	3.7
Nitrogen	0.10	22
Methane	0.00010	38
Carbon Dioxide	0.010	33
Propane	0.0010	0.0016
Pentane	0.0010	0.0019



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-1

Lab ID#: 0708065B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9080323	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 04:16 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	22
Nitrogen	0.10	78
Methane	0.00010	0.00023
Carbon Dioxide	0.010	0.047
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-AT-2

Lab ID#: 0708065B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9080324	Date of Collection:	8/1/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 04:38 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	22
Nitrogen	0.10	78
Methane	0.00010	0.00035
Carbon Dioxide	0.010	0.040
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB2-LFG 1

Lab ID#: 0708065B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9080325	Date of Collection:	8/2/07
Dil. Factor:	1.00	Date of Analysis:	8/3/07 05:05 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	3.7
Nitrogen	0.10	22
Methane	0.00010	38
Carbon Dioxide	0.010	33
Ethane	0.0010	Not Detected
Propane	0.0010	0.0016
Butane	0.0010	Not Detected
Pentane	0.0010	0.0019

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708065B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9080305	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/3/07 06:02 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708065B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9080327	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/3/07 06:18 PM

Compound	%Recovery
Oxygen	100
Nitrogen	101
Methane	97
Carbon Dioxide	100
Ethane	97
Propane	96
Butane	98
Pentane	97

Container Type: NA - Not Applicable



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- Laboratory Narrative;
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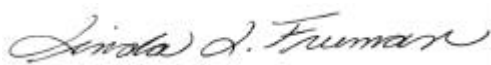
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WORK ORDER #: 0711107A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/21/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3-AT-1	Modified TO-15/TICs	6.0 "Hg
01AA	ALB3-AT-1 Lab Duplicate	Modified TO-15/TICs	6.0 "Hg
02A	ALB3-AT-2	Modified TO-15/TICs	4.5 "Hg
03A	ALB3-AT-3	Modified TO-15/TICs	5.5 "Hg
04A	ALB3-AT-4	Modified TO-15/TICs	6.0 "Hg
05A	ALB3-AT-5	Modified TO-15/TICs	5.0 "Hg
06A	Lab Blank	Modified TO-15/TICs	NA
07A	CCV	Modified TO-15/TICs	NA
08A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:  DATE: 11/21/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

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LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0711107A



Five 6 Liter Summa Canister samples were received on November 06, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A date was not provided by the field sampler.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB3-AT-1

Lab ID#: 0711107A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	13	8.0	30
2-Butanone (Methyl Ethyl Ketone)	0.84	4.4	2.5	13

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
1-Propene, 2-methyl- Unknown	115-11-7 NA	64% NA	4.2 N J 5.6 J

Client Sample ID: ALB3-AT-1 Lab Duplicate

Lab ID#: 0711107A-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	11	8.0	26
2-Butanone (Methyl Ethyl Ketone)	0.84	4.1	2.5	12

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	5.8 J

Client Sample ID: ALB3-AT-2

Lab ID#: 0711107A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.2	5.8	7.5	14
2-Butanone (Methyl Ethyl Ketone)	0.79	1.0	2.3	3.1

Client Sample ID: ALB3-AT-3

Lab ID#: 0711107A-03A

No Detections Were Found.

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107A-04A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	5.2	8.0	12
2-Butanone (Methyl Ethyl Ketone)	0.84	1.1	2.5	3.3

Client Sample ID: ALB3-AT-5

Lab ID#: 0711107A-05A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1

Lab ID#: 0711107A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111917	Date of Collection: 11/5/07
Dil. Factor:	1.68	Date of Analysis: 11/19/07 06:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	13	8.0	30
2-Propanol	3.4	Not Detected	8.2	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	4.4	2.5	13
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
1,1,1,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1

Lab ID#: 0711107A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111917	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/19/07 06:11 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
1-Propene, 2-methyl-	115-11-7	64%	4.2 N J
Unknown	NA	NA	5.6 J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1 Lab Duplicate

Lab ID#: 0711107A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111918	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/19/07 06:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	11	8.0	26
2-Propanol	3.4	Not Detected	8.2	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	4.1	2.5	12
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
1,1,1,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1 Lab Duplicate

Lab ID#: 0711107A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111918	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/19/07 06:43 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	5.8 J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-2

Lab ID#: 0711107A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111919	Date of Collection: 11/5/07
Dil. Factor:	1.58	Date of Analysis: 11/19/07 07:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.79	Not Detected	3.9	Not Detected
Chloromethane	3.2	Not Detected	6.5	Not Detected
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
Freon 11	0.79	Not Detected	4.4	Not Detected
Ethanol	3.2	Not Detected	6.0	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Acetone	3.2	5.8	7.5	14
2-Propanol	3.2	Not Detected	7.8	Not Detected
Carbon Disulfide	0.79	Not Detected	2.5	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Hexane	0.79	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.79	1.0	2.3	3.1
Chloroform	0.79	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Carbon Tetrachloride	0.79	Not Detected	5.0	Not Detected
Benzene	0.79	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.79	Not Detected	3.2	Not Detected
Trichloroethene	0.79	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.79	Not Detected	3.6	Not Detected
Bromodichloromethane	0.79	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	0.79	Not Detected	3.2	Not Detected
Toluene	0.79	Not Detected	3.0	Not Detected
Tetrachloroethene	0.79	Not Detected	5.4	Not Detected
1,2-Dibromoethane (EDB)	0.79	Not Detected	6.1	Not Detected
Chlorobenzene	0.79	Not Detected	3.6	Not Detected
Ethyl Benzene	0.79	Not Detected	3.4	Not Detected
m,p-Xylene	0.79	Not Detected	3.4	Not Detected
o-Xylene	0.79	Not Detected	3.4	Not Detected
1,1,2,2-Tetrachloroethane	0.79	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.79	Not Detected	4.7	Not Detected
Dichlorofluoromethane	3.2	Not Detected	13	Not Detected
Chlorodifluoromethane	3.2	Not Detected	11	Not Detected
Acrylonitrile	3.2	Not Detected	6.8	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-2

Lab ID#: 0711107A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111919	Date of Collection: 11/5/07
Dil. Factor:	1.58	Date of Analysis: 11/19/07 07:15 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-3

Lab ID#: 0711107A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111920	Date of Collection: 11/5/07
Dil. Factor:	1.64	Date of Analysis: 11/19/07 07:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Chloromethane	3.3	Not Detected	6.8	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	3.3	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Acetone	3.3	Not Detected	7.8	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
Dichlorofluoromethane	3.3	Not Detected	14	Not Detected
Chlorodifluoromethane	3.3	Not Detected	12	Not Detected
Acrylonitrile	3.3	Not Detected	7.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-3

Lab ID#: 0711107A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111920	Date of Collection: 11/5/07
Dil. Factor:	1.64	Date of Analysis: 11/19/07 07:47 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111921	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/19/07 08:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	5.2	8.0	12
2-Propanol	3.4	Not Detected	8.2	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	1.1	2.5	3.3
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
1,1,1,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
Dichlorofluoromethane	3.4	Not Detected	14	Not Detected
Chlorodifluoromethane	3.4	Not Detected	12	Not Detected
Acrylonitrile	3.4	Not Detected	7.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111921	Date of Collection: 11/5/07
Dil. Factor:	1.68	Date of Analysis: 11/19/07 08:19 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-5

Lab ID#: 0711107A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111922	Date of Collection:	11/5/07
Dil. Factor:	1.61	Date of Analysis:	11/19/07 08:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Chloromethane	3.2	Not Detected	6.6	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
Ethanol	3.2	Not Detected	6.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Acetone	3.2	Not Detected	7.6	Not Detected
2-Propanol	3.2	Not Detected	7.9	Not Detected
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	Not Detected	2.4	Not Detected
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
Toluene	0.80	Not Detected	3.0	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
Dichlorofluoromethane	3.2	Not Detected	14	Not Detected
Chlorodifluoromethane	3.2	Not Detected	11	Not Detected
Acrylonitrile	3.2	Not Detected	7.0	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-5

Lab ID#: 0711107A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111922	Date of Collection: 11/5/07
Dil. Factor:	1.61	Date of Analysis: 11/19/07 08:51 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711107A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111915	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 03:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711107A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111915	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 03:55 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711107A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:02 AM

Compound	%Recovery
Freon 12	97
Chloromethane	100
Vinyl Chloride	99
Chloroethane	92
Freon 11	100
Ethanol	99
1,1-Dichloroethene	100
Acetone	96
2-Propanol	98
Carbon Disulfide	101
Methylene Chloride	102
trans-1,2-Dichloroethene	101
Hexane	106
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	99
Chloroform	100
1,1,1-Trichloroethane	100
Carbon Tetrachloride	106
Benzene	100
1,2-Dichloroethane	104
Trichloroethene	98
1,2-Dichloropropane	97
Bromodichloromethane	102
4-Methyl-2-pentanone	107
Toluene	96
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	105
Chlorobenzene	100
Ethyl Benzene	105
m,p-Xylene	107
o-Xylene	104
1,1,2,2-Tetrachloroethane	102
1,4-Dichlorobenzene	103
1,3-Dichlorobenzene	101
1,2-Dichlorobenzene	102
Dichlorofluoromethane	109
Chlorodifluoromethane	101
Acrylonitrile	114



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711107A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:02 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711107A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:30 AM

Compound	%Recovery
Freon 12	108
Chloromethane	102
Vinyl Chloride	96
Chloroethane	85
Freon 11	101
Ethanol	82
1,1-Dichloroethene	111
Acetone	104
2-Propanol	98
Carbon Disulfide	101
Methylene Chloride	108
trans-1,2-Dichloroethene	103
Hexane	108
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	101
Chloroform	104
1,1,1-Trichloroethane	104
Carbon Tetrachloride	108
Benzene	100
1,2-Dichloroethane	106
Trichloroethene	97
1,2-Dichloropropane	94
Bromodichloromethane	99
4-Methyl-2-pentanone	106
Toluene	98
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	100
Chlorobenzene	99
Ethyl Benzene	101
m,p-Xylene	105
o-Xylene	100
1,1,2,2-Tetrachloroethane	101
1,4-Dichlorobenzene	102
1,3-Dichlorobenzene	102
1,2-Dichlorobenzene	96
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711107A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:30 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



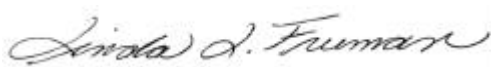
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0711094A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/21/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3-1	Modified TO-15/TICs	Tedlar Bag
02A	ALB3-2	Modified TO-15/TICs	Tedlar Bag
03A	ALB3-LFG-1	Modified TO-15/TICs	Tedlar Bag
04A	Lab Blank	Modified TO-15/TICs	NA
05A	CCV	Modified TO-15/TICs	NA
06A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:  DATE: 11/21/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0711094A**



Three 1 Liter Tedlar Bag samples were received on November 06, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Samples ALB3-1, ALB3-2 and ALB3-LFG-1 were transferred from Tedlar bags into summa canisters to extend the hold time from 72 hours to 14 days. Canister pressurization resulted in a dilution factor which was applied to all analytical results.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB3-1

Lab ID#: 0711094A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	6.6	17	12	33
Acetone	6.6	13	16	31
2-Propanol	6.6	9.1	16	22
Carbon Disulfide	1.6	4.6	5.1	14
2-Butanone (Methyl Ethyl Ketone)	1.6	2.6	4.8	7.6
Toluene	1.6	2.5	6.2	9.3

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethane, 1,1-difluoro-	75-37-6	64%	17 N J
Hexane, 1-propoxy-	53685-78-2	59%	8.7 N J
Hexane, 3-ethyl-	619-99-8	64%	13 N J
Undecane, 4,7-dimethyl-	17301-32-5	72%	14 N J
1-IODO-2-METHYLNONANE	0-00-0	80%	28 N J
Eicosane	112-95-8	83%	8.7 N J

Client Sample ID: ALB3-2

Lab ID#: 0711094A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	5.4	9.6	10	18
Acetone	5.4	9.7	13	23
2-Propanol	5.4	7.2	13	18
Carbon Disulfide	1.3	3.8	4.2	12
2-Butanone (Methyl Ethyl Ketone)	1.3	2.3	4.0	6.8
Toluene	1.3	2.2	5.1	8.3

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethane, 1,1-difluoro-	75-37-6	78%	14 N J
Hexane, 3-ethyl-	619-99-8	78%	9.3 N J
Undecane, 4,7-dimethyl-	17301-32-5	72%	9.9 N J
1-IODO-2-METHYLNONANE	0-00-0	72%	17 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	160	1400	770	7000
Freon 11	160	410	870	2300
Ethanol	620	34000	1200	64000
Acetone	620	5700	1500	13000
2-Propanol	620	5300	1500	13000
Carbon Disulfide	160	270	480	850
Methylene Chloride	160	500	540	1700
Hexane	160	1000	550	3600
2-Butanone (Methyl Ethyl Ketone)	160	6700	460	20000
Benzene	160	860	500	2800
Trichloroethene	160	240	840	1300
4-Methyl-2-pentanone	160	390	640	1600
Toluene	160	8800	580	33000
Tetrachloroethene	160	460	1000	3100
Ethyl Benzene	160	2200	680	9800
m,p-Xylene	160	4000	680	18000
o-Xylene	160	1100	680	4700
Chlorodifluoromethane	620	1300	2200	4500

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Aluminum, tripropyl-	102-67-0	74%	5600 N J
Propane, 2-methyl-	75-28-5	50%	5900 N J
Butane	106-97-8	59%	4000 N J
Butane, 2-methyl-	78-78-4	90%	12000 N J
Pentane	109-66-0	90%	14000 N J
.alpha.-Pinene	80-56-8	96%	9900 N J
Decane, 2,5,6-trimethyl-	62108-23-0	72%	4400 N J
1-Octanol, 2-butyl-	3913-02-8	78%	11000 N J
Propanoic acid, 2-methyl-, 2-methylpropy	97-85-8	64%	6000 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl	13898-73-2	55%	7000 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-1

Lab ID#: 0711094A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111926	Date of Collection:	11/5/07
Dil. Factor:	3.28	Date of Analysis:	11/19/07 11:12 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.6	Not Detected	8.1	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	1.6	Not Detected	4.2	Not Detected
Chloroethane	1.6	Not Detected	4.3	Not Detected
Freon 11	1.6	Not Detected	9.2	Not Detected
Ethanol	6.6	17	12	33
1,1-Dichloroethene	1.6	Not Detected	6.5	Not Detected
Acetone	6.6	13	16	31
2-Propanol	6.6	9.1	16	22
Carbon Disulfide	1.6	4.6	5.1	14
Methylene Chloride	1.6	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	1.6	Not Detected	6.5	Not Detected
Hexane	1.6	Not Detected	5.8	Not Detected
1,1-Dichloroethane	1.6	Not Detected	6.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.6	2.6	4.8	7.6
Chloroform	1.6	Not Detected	8.0	Not Detected
1,1,1-Trichloroethane	1.6	Not Detected	8.9	Not Detected
Carbon Tetrachloride	1.6	Not Detected	10	Not Detected
Benzene	1.6	Not Detected	5.2	Not Detected
1,2-Dichloroethane	1.6	Not Detected	6.6	Not Detected
Trichloroethene	1.6	Not Detected	8.8	Not Detected
1,2-Dichloropropane	1.6	Not Detected	7.6	Not Detected
Bromodichloromethane	1.6	Not Detected	11	Not Detected
4-Methyl-2-pentanone	1.6	Not Detected	6.7	Not Detected
Toluene	1.6	2.5	6.2	9.3
Tetrachloroethene	1.6	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.6	Not Detected	13	Not Detected
Chlorobenzene	1.6	Not Detected	7.6	Not Detected
Ethyl Benzene	1.6	Not Detected	7.1	Not Detected
m,p-Xylene	1.6	Not Detected	7.1	Not Detected
o-Xylene	1.6	Not Detected	7.1	Not Detected
1,1,2,2-Tetrachloroethane	1.6	Not Detected	11	Not Detected
1,4-Dichlorobenzene	1.6	Not Detected	9.9	Not Detected
1,3-Dichlorobenzene	1.6	Not Detected	9.9	Not Detected
1,2-Dichlorobenzene	1.6	Not Detected	9.9	Not Detected
Dichlorofluoromethane	6.6	Not Detected	28	Not Detected
Chlorodifluoromethane	6.6	Not Detected	23	Not Detected
Acrylonitrile	6.6	Not Detected	14	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-1

Lab ID#: 0711094A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111926	Date of Collection:	11/5/07
Dil. Factor:	3.28	Date of Analysis:	11/19/07 11:12 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethane, 1,1-difluoro-	75-37-6	64%	17 N J
Hexane, 1-propoxy-	53685-78-2	59%	8.7 N J
Hexane, 3-ethyl-	619-99-8	64%	13 N J
Undecane, 4,7-dimethyl-	17301-32-5	72%	14 N J
1-IODO-2-METHYLNONANE	0-00-0	80%	28 N J
Eicosane	112-95-8	83%	8.7 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-2

Lab ID#: 0711094A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111924	Date of Collection:	11/5/07
Dil. Factor:	2.69	Date of Analysis:	11/19/07 09:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.6	Not Detected
Chloromethane	5.4	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
Chloroethane	1.3	Not Detected	3.5	Not Detected
Freon 11	1.3	Not Detected	7.6	Not Detected
Ethanol	5.4	9.6	10	18
1,1-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Acetone	5.4	9.7	13	23
2-Propanol	5.4	7.2	13	18
Carbon Disulfide	1.3	3.8	4.2	12
Methylene Chloride	1.3	Not Detected	4.7	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Hexane	1.3	Not Detected	4.7	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	2.3	4.0	6.8
Chloroform	1.3	Not Detected	6.6	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.3	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.5	Not Detected
Benzene	1.3	Not Detected	4.3	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.4	Not Detected
Trichloroethene	1.3	Not Detected	7.2	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.2	Not Detected
Bromodichloromethane	1.3	Not Detected	9.0	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.5	Not Detected
Toluene	1.3	2.2	5.1	8.3
Tetrachloroethene	1.3	Not Detected	9.1	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.2	Not Detected
Ethyl Benzene	1.3	Not Detected	5.8	Not Detected
m,p-Xylene	1.3	Not Detected	5.8	Not Detected
o-Xylene	1.3	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.2	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	8.1	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	8.1	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	8.1	Not Detected
Dichlorofluoromethane	5.4	Not Detected	23	Not Detected
Chlorodifluoromethane	5.4	Not Detected	19	Not Detected
Acrylonitrile	5.4	Not Detected	12	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-2

Lab ID#: 0711094A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111924	Date of Collection:	11/5/07
Dil. Factor:	2.69	Date of Analysis:	11/19/07 09:54 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethane, 1,1-difluoro-	75-37-6	78%	14 N J
Hexane, 3-ethyl-	619-99-8	78%	9.3 N J
Undecane, 4,7-dimethyl-	17301-32-5	72%	9.9 N J
1-iodo-2-methylnonane	0-00-0	72%	17 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111925	Date of Collection:	11/5/07
Dil. Factor:	311	Date of Analysis:	11/19/07 10:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	160	1400	770	7000
Chloromethane	620	Not Detected	1300	Not Detected
Vinyl Chloride	160	Not Detected	400	Not Detected
Chloroethane	160	Not Detected	410	Not Detected
Freon 11	160	410	870	2300
Ethanol	620	34000	1200	64000
1,1-Dichloroethene	160	Not Detected	620	Not Detected
Acetone	620	5700	1500	13000
2-Propanol	620	5300	1500	13000
Carbon Disulfide	160	270	480	850
Methylene Chloride	160	500	540	1700
trans-1,2-Dichloroethene	160	Not Detected	620	Not Detected
Hexane	160	1000	550	3600
1,1-Dichloroethane	160	Not Detected	630	Not Detected
2-Butanone (Methyl Ethyl Ketone)	160	6700	460	20000
Chloroform	160	Not Detected	760	Not Detected
1,1,1-Trichloroethane	160	Not Detected	850	Not Detected
Carbon Tetrachloride	160	Not Detected	980	Not Detected
Benzene	160	860	500	2800
1,2-Dichloroethane	160	Not Detected	630	Not Detected
Trichloroethene	160	240	840	1300
1,2-Dichloropropane	160	Not Detected	720	Not Detected
Bromodichloromethane	160	Not Detected	1000	Not Detected
4-Methyl-2-pentanone	160	390	640	1600
Toluene	160	8800	580	33000
Tetrachloroethene	160	460	1000	3100
1,2-Dibromoethane (EDB)	160	Not Detected	1200	Not Detected
Chlorobenzene	160	Not Detected	720	Not Detected
Ethyl Benzene	160	2200	680	9800
m,p-Xylene	160	4000	680	18000
o-Xylene	160	1100	680	4700
1,1,2,2-Tetrachloroethane	160	Not Detected	1100	Not Detected
1,4-Dichlorobenzene	160	Not Detected	930	Not Detected
1,3-Dichlorobenzene	160	Not Detected	930	Not Detected
1,2-Dichlorobenzene	160	Not Detected	930	Not Detected
Dichlorofluoromethane	620	Not Detected	2600	Not Detected
Chlorodifluoromethane	620	1300	2200	4500
Acrylonitrile	620	Not Detected	1300	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111925	Date of Collection:	11/5/07
Dil. Factor:	311	Date of Analysis:	11/19/07 10:21 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Aluminum, tripropyl-	102-67-0	74%	5600 N J
Propane, 2-methyl-	75-28-5	50%	5900 N J
Butane	106-97-8	59%	4000 N J
Butane, 2-methyl-	78-78-4	90%	12000 N J
Pentane	109-66-0	90%	14000 N J
.alpha.-Pinene	80-56-8	96%	9900 N J
Decane, 2,5,6-trimethyl-	62108-23-0	72%	4400 N J
1-Octanol, 2-butyl-	3913-02-8	78%	11000 N J
Propanoic acid, 2-methyl-, 2-methylpropyl	97-85-8	64%	6000 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl)	13898-73-2	55%	7000 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711094A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111915	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 03:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711094A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111915	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 03:55 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711094A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:02 AM

Compound	%Recovery
Freon 12	97
Chloromethane	100
Vinyl Chloride	99
Chloroethane	92
Freon 11	100
Ethanol	99
1,1-Dichloroethene	100
Acetone	96
2-Propanol	98
Carbon Disulfide	101
Methylene Chloride	102
trans-1,2-Dichloroethene	101
Hexane	106
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	99
Chloroform	100
1,1,1-Trichloroethane	100
Carbon Tetrachloride	106
Benzene	100
1,2-Dichloroethane	104
Trichloroethene	98
1,2-Dichloropropane	97
Bromodichloromethane	102
4-Methyl-2-pentanone	107
Toluene	96
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	105
Chlorobenzene	100
Ethyl Benzene	105
m,p-Xylene	107
o-Xylene	104
1,1,2,2-Tetrachloroethane	102
1,4-Dichlorobenzene	103
1,3-Dichlorobenzene	101
1,2-Dichlorobenzene	102
Dichlorofluoromethane	109
Chlorodifluoromethane	101
Acrylonitrile	114



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711094A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:02 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711094A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:30 AM

Compound	%Recovery
Freon 12	108
Chloromethane	102
Vinyl Chloride	96
Chloroethane	85
Freon 11	101
Ethanol	82
1,1-Dichloroethene	111
Acetone	104
2-Propanol	98
Carbon Disulfide	101
Methylene Chloride	108
trans-1,2-Dichloroethene	103
Hexane	108
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	101
Chloroform	104
1,1,1-Trichloroethane	104
Carbon Tetrachloride	108
Benzene	100
1,2-Dichloroethane	106
Trichloroethene	97
1,2-Dichloropropane	94
Bromodichloromethane	99
4-Methyl-2-pentanone	106
Toluene	98
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	100
Chlorobenzene	99
Ethyl Benzene	101
m,p-Xylene	105
o-Xylene	100
1,1,2,2-Tetrachloroethane	101
1,4-Dichlorobenzene	102
1,3-Dichlorobenzene	102
1,2-Dichlorobenzene	96
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711094A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5111907	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/19/07 05:30 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
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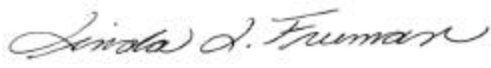
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0711097A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/19/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3:VOST1.f	Modified VOST 5041A/8260B	
02A	ALB3:VOST1.b	Modified VOST 5041A/8260B	
03A	ALB3:VOST2.f	Modified VOST 5041A/8260B	
04A	ALB3:VOST2.b	Modified VOST 5041A/8260B	
05A	ALB3:VOSTFB.f	Modified VOST 5041A/8260B	
06A	ALB:VOSTFB.b	Modified VOST 5041A/8260B	
07A	Lab Blank	Modified VOST 5041A/8260B	NA
08A	LCS	Modified VOST 5041A/8260B	NA

CERTIFIED BY:  DATE: 11/19/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
VOST 5041A
RTP Environmental Associates
Workorder# 0711097A

Six VOST Tube samples were received on November 06, 2007. The laboratory performed the analysis via EPA SW-846 Method 5041A using GC/MS in the full scan mode. VOST sorbent tubes are thermally desorbed at 180 degrees centigrade for ten minutes by UHP helium carrier gas. The gas stream is then bubbled through 5 mL of organic free water and trapped on the sorbent trap of the purge and trap system. The trap is thermally desorbed to elute the components into the GC/MS system for further separation. See the data sheets for the reporting limits for each compound.

<i>Requirement</i>	<i>VOST 5041A</i>	<i>ATL Modifications</i>
Batch Certification	Blanks from the same media as samples	Analysis of set of cartridges prior to onset of any project; Sampling media provided by the client is batch certified ahead of time, only if client provides blank cartridges.
Method blank	Cartridges from the same media batches as the samples	Media batch is certified prior to use in the field. Method Blank is used to certify instrument is contaminant free
Connection between cartridge thermal desorption apparatus & sample purge vessel	PTFE 1/16" Teflon tubing	Heated, 1/16" silica lined stainless steel tubing
Calibration Criteria for non-CCCs	RSD +/- 15 % for all non-CCCs	RSD <= 30 % for some compounds: Acetone, Bromoform, Vinyl Acetate, Bromomethane, Chloromethane, 1,1,2,2-Tetrachloroethane, & 1,2,3-Trichloropropane

Receiving Notes

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

The Chain of Custody contained incorrect method information. ATL proceeded with the analysis as per the original contract or verbal agreement.

The Chain of Custody (COC) information for sample ALB:VOSTFB.b did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank or tube certification greater than reporting limit (background subtraction not performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB3:VOST1.f

Lab ID#: 0711097A-01A

Compound	Rpt. Limit (ng)	Amount (ng)
Freon 11	10	38
Hexane	10	75
2-Butanone (Methyl Ethyl Ketone)	50	54
Chloroform	10	10
Carbon Tetrachloride	10	79
Benzene	10	160
Toluene	10	280
Tetrachloroethene	10	55
Ethyl Benzene	10	43
m,p-Xylene	10	140
o-Xylene	10	46
1,3,5-Trimethylbenzene	10	12
1,2,4-Trimethylbenzene	10	37

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	46 J
Pentane, 2-methyl-	107-83-5	86%	70 N J
Unknown	NA	NA	42 J
Hexane, 3-methyl-	589-34-4	83%	53 N J
Heptane	142-82-5	64%	60 N J
1-Octanol, 2-butyl-	3913-02-8	72%	170 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	81%	60 N J
1-Iodo-2-methylundecane	73105-67-6	72%	94 N J
Unknown	NA	NA	69 J
Nonanal	124-19-6	78%	47 N J

Client Sample ID: ALB3:VOST1.b

Lab ID#: 0711097A-02A

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	25
Freon 11	10	170
Freon 113	10	33
Acetone	50	63
Methylene Chloride	10	15



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB3:VOST1.b

Lab ID#: 0711097A-02A

Carbon Tetrachloride	10	28
Benzene	10	13
Freon 12	10	470

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	96 J
Propane, 2-methyl-	75-28-5	53%	140 N J
Butane	106-97-8	72%	160 N J
Butane, 2-methyl-	78-78-4	80%	120 N J
Pentane	109-66-0	86%	61 N J
Pentane, 2-methyl-	107-83-5	80%	34 N J

Client Sample ID: ALB3:VOST2.f

Lab ID#: 0711097A-03A

Compound	Rpt. Limit (ng)	Amount (ng)
Freon 11	10	53
Acetone	50	59
Hexane	10	69
2-Butanone (Methyl Ethyl Ketone)	50	70
Chloroform	10	13
Carbon Tetrachloride	10	88
Benzene	10	170
Toluene	10	270
Tetrachloroethene	10	18
Ethyl Benzene	10	39
m,p-Xylene	10	130
o-Xylene	10	39
1,2,4-Trimethylbenzene	10	31

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	72%	54 N J
Unknown	NA	NA	33 J
Pentane	109-66-0	90%	47 N J
Pentane, 2-methyl-	107-83-5	90%	70 N J
Hexane, 3-methyl-	589-34-4	83%	38 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB3:VOST2.f

Lab ID#: 0711097A-03A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Heptane	142-82-5	87%	54 N J
1-Butene, 2-ethyl-3-methyl-	7357-93-9	64%	40 N J
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	17%	92 N J
Unknown	NA	NA	92 J
Nonanal	124-19-6	50%	34 N J

Client Sample ID: ALB3:VOST2.b

Lab ID#: 0711097A-04A

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	18
Freon 11	10	260
Freon 113	10	90
Acetone	50	110
Methylene Chloride	10	22
Carbon Tetrachloride	10	36
Benzene	10	14
Freon 12	10	480

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	86 J
Propane, 2-methyl-	75-28-5	53%	190 N J
Butane	106-97-8	72%	260 N J
Butane, 2-methyl-	78-78-4	80%	270 N J
Pentane	109-66-0	90%	130 N J
Pentane, 2-methyl-	107-83-5	80%	44 N J
2H-Imidazo[4,5-b]pyrazin-2-one	16328-63-5	59%	83 N J

Client Sample ID: ALB3:VOSTFB.f

Lab ID#: 0711097A-05A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB:VOSTFB.b

Lab ID#: 0711097A-06A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.f

Lab ID#: 0711097A-01A

MODIFIED VOST 5041A/8260B

File Name:	I111526	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 10:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	38
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	75
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	54
Bromochloromethane	10	Not Detected
Chloroform	10	10
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	79
1,1-Dichloropropene	10	Not Detected
Benzene	10	160
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	280
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	55
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.f

Lab ID#: 0711097A-01A

MODIFIED VOST 5041A/8260B

File Name:	I111526	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 10:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	43
m,p-Xylene	10	140
o-Xylene	10	46
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	12
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	37
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	46 J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.f

Lab ID#: 0711097A-01A

MODIFIED VOST 5041A/8260B

File Name:	I111526	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 10:06 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Pentane, 2-methyl-	107-83-5	86%	70 N J
Unknown	NA	NA	42 J
Hexane, 3-methyl-	589-34-4	83%	53 N J
Heptane	142-82-5	64%	60 N J
1-Octanol, 2-butyl-	3913-02-8	72%	170 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	81%	60 N J
1-Iodo-2-methylundecane	73105-67-6	72%	94 N J
Unknown	NA	NA	69 J
Nonanal	124-19-6	78%	47 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.b

Lab ID#: 0711097A-02A

MODIFIED VOST 5041A/8260B

File Name:	I111527	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 10:40 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	25
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	170
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	33
Carbon Disulfide	10	Not Detected
Acetone	50	63
3-Chloropropene	10	Not Detected
Methylene Chloride	10	15
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	28
1,1-Dichloropropene	10	Not Detected
Benzene	10	13
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.b

Lab ID#: 0711097A-02A

MODIFIED VOST 5041A/8260B

File Name:	I111527	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 10:40 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	470

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	96 J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST1.b

Lab ID#: 0711097A-02A

MODIFIED VOST 5041A/8260B

File Name:	I111527	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 10:40 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	53%	140 N J
Butane	106-97-8	72%	160 N J
Butane, 2-methyl-	78-78-4	80%	120 N J
Pentane	109-66-0	86%	61 N J
Pentane, 2-methyl-	107-83-5	80%	34 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.f

Lab ID#: 0711097A-03A

MODIFIED VOST 5041A/8260B

File Name:	I111525	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 09:04 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	53
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	59
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	69
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	70
Bromochloromethane	10	Not Detected
Chloroform	10	13
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	88
1,1-Dichloropropene	10	Not Detected
Benzene	10	170
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	270
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	18
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.f

Lab ID#: 0711097A-03A

MODIFIED VOST 5041A/8260B

File Name:	I111525	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 09:04 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	39
m,p-Xylene	10	130
o-Xylene	10	39
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	31
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	72%	54 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.f

Lab ID#: 0711097A-03A

MODIFIED VOST 5041A/8260B

File Name:	I111525	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 09:04 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	33 J
Pentane	109-66-0	90%	47 N J
Pentane, 2-methyl-	107-83-5	90%	70 N J
Hexane, 3-methyl-	589-34-4	83%	38 N J
Heptane	142-82-5	87%	54 N J
1-Butene, 2-ethyl-3-methyl-	7357-93-9	64%	40 N J
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	17%	92 N J
Unknown	NA	NA	92 J
Nonanal	124-19-6	50%	34 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.b

Lab ID#: 0711097A-04A

MODIFIED VOST 5041A/8260B

File Name:	I111523	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 08:01 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	18
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	260
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	90
Carbon Disulfide	10	Not Detected
Acetone	50	110
3-Chloropropene	10	Not Detected
Methylene Chloride	10	22
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	36
1,1-Dichloropropene	10	Not Detected
Benzene	10	14
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.b

Lab ID#: 0711097A-04A

MODIFIED VOST 5041A/8260B

File Name:	I111523	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 08:01 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	480

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Unknown	NA	NA	86 J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOST2.b

Lab ID#: 0711097A-04A

MODIFIED VOST 5041A/8260B

File Name:	I111523	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 08:01 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	53%	190 N J
Butane	106-97-8	72%	260 N J
Butane, 2-methyl-	78-78-4	80%	270 N J
Pentane	109-66-0	90%	130 N J
Pentane, 2-methyl-	107-83-5	80%	44 N J
2H-Imidazo[4,5-b]pyrazin-2-one	16328-63-5	59%	83 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	114	70-130
1,2-Dichloroethane-d4	130	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	118	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOSTFB.f

Lab ID#: 0711097A-05A

MODIFIED VOST 5041A/8260B

File Name:	I111524	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 08:30 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOSTFB.f

Lab ID#: 0711097A-05A

MODIFIED VOST 5041A/8260B

File Name:	I111524	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 08:30 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:VOSTFB.f

Lab ID#: 0711097A-05A

MODIFIED VOST 5041A/8260B

File Name:	I111524	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 08:30 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	109	70-130
1,2-Dichloroethane-d4	121	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB:VOSTFB.b

Lab ID#: 0711097A-06A

MODIFIED VOST 5041A/8260B

File Name:	I111522	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/15/07 07:29 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB:VOSTFB.b

Lab ID#: 0711097A-06A

MODIFIED VOST 5041A/8260B

File Name:	I111522	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 07:29 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB:VOSTFB.b

Lab ID#: 0711097A-06A

MODIFIED VOST 5041A/8260B

File Name:	I111522	Date of Collection: 11/5/07
Dil. Factor:	1.00	Date of Analysis: 11/15/07 07:29 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank
 Lab ID#: 0711097A-07A
 MODIFIED VOST 5041A/8260B

File Name:	I111521	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:49 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	10	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	10	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	10	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	10	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711097A-07A

MODIFIED VOST 5041A/8260B

File Name:	I111521	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:49 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711097A-07A

MODIFIED VOST 5041A/8260B

File Name:	I111521	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:49 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	105	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711097A-08A

MODIFIED VOST 5041A/8260B

File Name:	I111520	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:07 PM

Compound	%Recovery
Chloromethane	128
Vinyl Chloride	117
Bromomethane	123
Chloroethane	136
Freon 11	126
2-Chloropropane	114
1,1-Dichloroethene	115
Freon 113	120
Carbon Disulfide	103
Acetone	207
3-Chloropropene	126
Methylene Chloride	112
trans-1,2-Dichloroethene	110
Acrylonitrile	98
Hexane	107
1,1-Dichloroethane	110
Vinyl Acetate	Not Spiked
2,2-Dichloropropane	106
cis-1,2-Dichloroethene	100
2-Butanone (Methyl Ethyl Ketone)	122
Bromochloromethane	104
Chloroform	109
1,1,1-Trichloroethane	114
Carbon Tetrachloride	116
1,1-Dichloropropene	101
Benzene	114
1,2-Dichloroethane	118
Trichloroethene	103
1,2-Dichloropropane	106
Dibromomethane	108
Bromodichloromethane	113
cis-1,3-Dichloropropene	104
trans-1,3-Dichloropropene	109
4-Methyl-2-pentanone	92
Toluene	112
1,1,2-Trichloroethane	103
Tetrachloroethene	115
1,3-Dichloropropane	106
2-Hexanone	88



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711097A-08A

MODIFIED VOST 5041A/8260B

File Name:	I111520	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:07 PM

Compound	%Recovery
Dibromochloromethane	108
Chlorobenzene	119
1,2-Dibromoethane (EDB)	100
Ethyl Benzene	116
m,p-Xylene	122
o-Xylene	111
Styrene	126
Bromoform	97
1,1,2,2-Tetrachloroethane	102
1,3-Dichlorobenzene	118
1,4-Dichlorobenzene	114
1,2-Dichlorobenzene	114
Cumene	112
cis-1,4-Dichloro-2-butene	104
Bromobenzene	112
1,2,3-Trichloropropane	91
trans-1,4-Dichloro-2-butene	104
Propylbenzene	119
2-Chlorotoluene	116
4-Chlorotoluene	117
1,3,5-Trimethylbenzene	122
tert-Butylbenzene	117
1,2,4-Trimethylbenzene	119
sec-Butylbenzene	120
p-Cymene	119
1,2-Dibromo-3-chloropropane	78
1,2,4-Trichlorobenzene	80
Naphthalene	60
Hexachlorobutadiene	108
1,2,3-Trichlorobenzene	67
1,1,1,2-Tetrachloroethane	113
Butylbenzene	112
Iodomethane	111
Freon 12	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711097A-08A

MODIFIED VOST 5041A/8260B

File Name:	I111520	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/07 06:07 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	101	70-130



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- Work order Summary;
- Laboratory Narrative;
- Results; and
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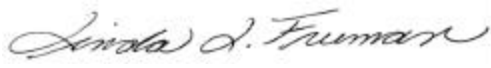
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0711094C

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/09/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3-1	ASTM D-5504	Tedlar Bag
02A	ALB3-2	ASTM D-5504	Tedlar Bag
03A	ALB3-LFG-1	ASTM D-5504	Tedlar Bag
03AA	ALB3-LFG-1 Lab Duplicate	ASTM D-5504	Tedlar Bag
04A	Lab Blank	ASTM D-5504	NA
05A	LCS	ASTM D-5504	NA

CERTIFIED BY:  DATE: 11/09/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
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LABORATORY NARRATIVE
ASTM D-5504
RTP Environmental Associates
Workorder# 0711094C

Three 1 Liter Tedlar Bag samples were received on November 06, 2007. The laboratory performed the analysis of sulfur compounds via ASTM D-5504 using GC/SCD. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Receiving Notes

Samples ALB3-1 and ALB3-2 were received past the recommended hold time of 24 hours. Analysis proceeded.

Analytical Notes

Ethyl Methyl Sulfide and n-Butyl Mercaptan coelute with 3-Methyl Thiophene.

The RPD of duplicate samples ALB3-LFG-1 and ALB3-LFG-1 Lab Duplicate exceeded acceptance limits for Isopropyl Mercaptan due to on-column concentrations that were less than 5X the reporting limit. There is no effect on data quality.

Samples ALB3-LFG-1 and ALB3-LFG-1 Lab Duplicate were analyzed past the method specified 24 hour hold time.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: ALB3-1

Lab ID#: 0711094C-01A

No Detections Were Found.

Client Sample ID: ALB3-2

Lab ID#: 0711094C-02A

No Detections Were Found.

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094C-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4000	700000
Isopropyl Mercaptan	4000	4800

Client Sample ID: ALB3-LFG-1 Lab Duplicate

Lab ID#: 0711094C-03AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8000	670000



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-1

Lab ID#: 0711094C-01A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110605	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/6/07 10:10 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-2

Lab ID#: 0711094C-02A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110606	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/6/07 10:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094C-03A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110611	Date of Collection:	11/5/07
Dil. Factor:	1000	Date of Analysis:	11/6/07 12:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4000	700000
Carbonyl Sulfide	4000	Not Detected
Methyl Mercaptan	4000	Not Detected
Ethyl Mercaptan	4000	Not Detected
Dimethyl Sulfide	4000	Not Detected
Carbon Disulfide	4000	Not Detected
Isopropyl Mercaptan	4000	4800
tert-Butyl Mercaptan	4000	Not Detected
n-Propyl Mercaptan	4000	Not Detected
Thiophene	4000	Not Detected
Isobutyl Mercaptan	4000	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4000	Not Detected
Diethyl Sulfide	4000	Not Detected
Dimethyl Disulfide	4000	Not Detected
Tetrahydrothiophene	4000	Not Detected
2-Ethylthiophene	4000	Not Detected
2,5-Dimethylthiophene	4000	Not Detected
Diethyl Disulfide	4000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-LFG-1 Lab Duplicate

Lab ID#: 0711094C-03AA

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110610	Date of Collection:	11/5/07
Dil. Factor:	2000	Date of Analysis:	11/6/07 12:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8000	670000
Carbonyl Sulfide	8000	Not Detected
Methyl Mercaptan	8000	Not Detected
Ethyl Mercaptan	8000	Not Detected
Dimethyl Sulfide	8000	Not Detected
Carbon Disulfide	8000	Not Detected
Isopropyl Mercaptan	8000	Not Detected
tert-Butyl Mercaptan	8000	Not Detected
n-Propyl Mercaptan	8000	Not Detected
Thiophene	8000	Not Detected
Isobutyl Mercaptan	8000	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	8000	Not Detected
Diethyl Sulfide	8000	Not Detected
Dimethyl Disulfide	8000	Not Detected
Tetrahydrothiophene	8000	Not Detected
2-Ethylthiophene	8000	Not Detected
2,5-Dimethylthiophene	8000	Not Detected
Diethyl Disulfide	8000	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711094C-04A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/5/07 10:12 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: NA - Not Applicable



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Client Sample ID: LCS

Lab ID#: 0711094C-05A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I110602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/5/07 09:40 PM

Compound	%Recovery
Hydrogen Sulfide	115
Carbonyl Sulfide	96
Methyl Mercaptan	114
Ethyl Mercaptan	106
Dimethyl Sulfide	112
Carbon Disulfide	114
Isopropyl Mercaptan	102
tert-Butyl Mercaptan	111
n-Propyl Mercaptan	114
Thiophene	106
Isobutyl Mercaptan	124
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	119
Diethyl Sulfide	119
Dimethyl Disulfide	100
Tetrahydrothiophene	116
2-Ethylthiophene	109
2,5-Dimethylthiophene	108
Diethyl Disulfide	120

Container Type: NA - Not Applicable



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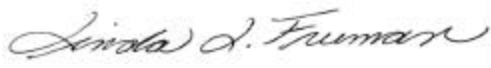
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WORK ORDER #: 0711107B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/19/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3-AT-1	Modified ASTM D-1945	6.0 "Hg
01AA	ALB3-AT-1 Lab Duplicate	Modified ASTM D-1945	6.0 "Hg
02A	ALB3-AT-2	Modified ASTM D-1945	4.5 "Hg
03A	ALB3-AT-3	Modified ASTM D-1945	5.5 "Hg
04A	ALB3-AT-4	Modified ASTM D-1945	6.0 "Hg
05A	ALB3-AT-5	Modified ASTM D-1945	5.0 "Hg
06A	Lab Blank	Modified ASTM D-1945	NA
07A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 11/19/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0711107B

Five 6 Liter Summa Canister samples were received on November 06, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for Methane in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 85-115%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD $\leq 15\%$. All target analytes must be within the linear range of calibration (with the exception of O ₂ , N ₂ , and C ₆ + Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A date was not provided by the field sampler.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

J - Estimated value.

E - Exceeds instrument calibration range.

- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

Client Sample ID: ALB3-AT-1

Lab ID#: 0711107B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00065

Client Sample ID: ALB3-AT-1 Lab Duplicate

Lab ID#: 0711107B-01AA

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00062

Client Sample ID: ALB3-AT-2

Lab ID#: 0711107B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00029

Client Sample ID: ALB3-AT-3

Lab ID#: 0711107B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00035

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107B-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00022

Client Sample ID: ALB3-AT-5

Lab ID#: 0711107B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00022



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1

Lab ID#: 0711107B-01A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110705	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/7/07 02:33 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00065

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-1 Lab Duplicate

Lab ID#: 0711107B-01AA

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110706	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/7/07 03:10 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00062

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-2

Lab ID#: 0711107B-02A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110707	Date of Collection:	11/5/07
Dil. Factor:	1.58	Date of Analysis:	11/7/07 03:52 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00029

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-3

Lab ID#: 0711107B-03A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110708	Date of Collection:	11/5/07
Dil. Factor:	1.64	Date of Analysis:	11/7/07 04:24 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00035

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-4

Lab ID#: 0711107B-04A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110709	Date of Collection:	11/5/07
Dil. Factor:	1.68	Date of Analysis:	11/7/07 04:51 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	0.00022

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-AT-5

Lab ID#: 0711107B-05A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110710	Date of Collection:	11/5/07
Dil. Factor:	1.61	Date of Analysis:	11/7/07 05:38 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00022

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711107B-06A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/7/07 12:41 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711107B-07A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	3110719	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/7/07 02:01 PM

Compound	%Recovery
Methane	104

Container Type: NA - Not Applicable



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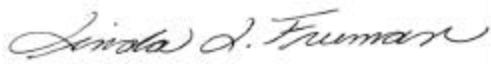
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WORK ORDER #: 0711097B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/19/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	ALB3:ALD-1	Modified TO-11A
01AA	ALB3:ALD-1 Lab Duplicate	Modified TO-11A
02A	ALB3:ALD-2	Modified TO-11A
03A	ALB3:ALD-TB	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A

CERTIFIED BY:  DATE: 11/19/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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**LABORATORY NARRATIVE
Modified TO-11A
RTP Environmental Associates
Workorder# 0711097B**

Three TO-11 Cartridge samples were received on November 06, 2007. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-11A</i>	<i>ATL Modifications</i>
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD ≤ 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Analytical anomalies of samples are notated by data qualifying flags. Definitions for each data qualifying flag can be found on associated sample result summary pages.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

Client Sample ID: ALB3:ALD-1

Lab ID#: 0711097B-01A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	1.9
Acetaldehyde	0.10	0.48
Acetone	0.25	1.2
Methyl Ethyl Ketone/Butyraldehydes	0.25	1.7 M

Client Sample ID: ALB3:ALD-1 Lab Duplicate

Lab ID#: 0711097B-01AA

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	1.9
Acetaldehyde	0.10	0.57
Acetone	0.25	1.3
Methyl Ethyl Ketone/Butyraldehydes	0.25	1.7 M

Client Sample ID: ALB3:ALD-2

Lab ID#: 0711097B-02A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.68
Acetaldehyde	0.10	0.53
Acetone	0.25	1.4
Methyl Ethyl Ketone/Butyraldehydes	0.25	2.2 M

Client Sample ID: ALB3:ALD-TB

Lab ID#: 0711097B-03A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:ALD-1

Lab ID#: 0711097B-01A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113010	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/13/07 01:24 PM
		Date of Extraction:	11/13/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	1.9
Acetaldehyde	0.10	0.48
Propanal	0.25	Not Detected
Acetone	0.25	1.2
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	1.7 M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:ALD-1 Lab Duplicate

Lab ID#: 0711097B-01AA

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113011	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/13/07 01:44 PM
		Date of Extraction:	11/13/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	1.9
Acetaldehyde	0.10	0.57
Propanal	0.25	Not Detected
Acetone	0.25	1.3
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	1.7 M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:ALD-2

Lab ID#: 0711097B-02A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113012	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/13/07 02:05 PM
		Date of Extraction:	11/13/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.68
Acetaldehyde	0.10	0.53
Propanal	0.25	Not Detected
Acetone	0.25	1.4
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	2.2 M
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

M = Reported value may be biased due to apparent matrix interferences.

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3:ALD-TB

Lab ID#: 0711097B-03A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113009	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/13/07 01:03 PM
		Date of Extraction:	11/13/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711097B-04A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113006	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	11/13/07 11:02 AM
		Date of Extraction:	11/13/07

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711097B-05A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f1113007	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/13/07 11:23 AM
		Date of Extraction: 11/13/07

Compound	%Recovery
Formaldehyde	102
Acetaldehyde	101
Propanal	106
Acetone	113
Crotonaldehyde	104
Methyl Ethyl Ketone/Butyraldehydes	102
Benzaldehyde	101
Isopentanal	99
Pentanal	102
o-Tolualdehyde	98
m,p-Tolualdehyde	101
Hexanal	102

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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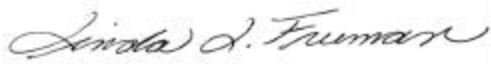
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0711094B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	ALB3
DATE RECEIVED:	11/06/2007	CONTACT:	Bryanna Langley
DATE COMPLETED:	11/19/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	ALB3-1	Modified ASTM D-1945	Tedlar Bag
01AA	ALB3-1 Lab Duplicate	Modified ASTM D-1945	Tedlar Bag
02A	ALB3-2	Modified ASTM D-1945	Tedlar Bag
03A	ALB3-LFG-1	Modified ASTM D-1945	Tedlar Bag
04A	Lab Blank	Modified ASTM D-1945	NA
05A	LCS	Modified ASTM D-1945	NA
05B	LCS	Modified ASTM D-1945	NA

CERTIFIED BY:  DATE: 11/19/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0711094B

Three 1 Liter Tedlar Bag samples were received on November 06, 2007. The laboratory performed analysis via modified ASTM Method D-1945 for Methane and fixed gases in natural gas using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 85-115%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 15%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

Client Sample ID: ALB3-1

Lab ID#: 0711094B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.0012

Client Sample ID: ALB3-1 Lab Duplicate

Lab ID#: 0711094B-01AA

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.0011

Client Sample ID: ALB3-2

Lab ID#: 0711094B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.00023

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	1.5
Nitrogen	0.10	13
Methane	0.00010	47
Carbon Dioxide	0.010	38
Propane	0.0010	0.0019
Pentane	0.0010	0.0017



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-1

Lab ID#: 0711094B-01A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9110809	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/7/07 11:05 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.0012

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-1 Lab Duplicate

Lab ID#: 0711094B-01AA

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9110811	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/7/07 11:49 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.0011

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-2

Lab ID#: 0711094B-02A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9110810	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/7/07 11:27 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	0.00023

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB3-LFG-1

Lab ID#: 0711094B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9110812	Date of Collection:	11/5/07
Dil. Factor:	1.00	Date of Analysis:	11/8/07 01:20 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	1.5
Nitrogen	0.10	13
Methane	0.00010	47
Carbon Dioxide	0.010	38
Ethane	0.0010	Not Detected
Propane	0.0010	0.0019
Butane	0.0010	Not Detected
Pentane	0.0010	0.0017

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711094B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9110805	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	11/7/07 09:30 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Butane	0.0010	Not Detected
Pentane	0.0010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711094B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9110817b	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/8/07 05:01 AM

Compound	%Recovery
Oxygen	103
Nitrogen	100
Carbon Dioxide	100

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711094B-05B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9110816	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/8/07 03:57 AM

Compound	%Recovery
Methane	97
Ethane	97
Propane	96
Butane	98
Pentane	97

Container Type: NA - Not Applicable



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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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WORK ORDER #: 0802021A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	02/01/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	02/15/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	ALB4:AT-1	Modified TO-15/TICs	3.5 "Hg	5 psi
02A	ALB4:AT-2	Modified TO-15/TICs	4.5 "Hg	5 psi
03A	ALB4:AT-3	Modified TO-15/TICs	3.0 "Hg	5 psi
03AA	ALB4:AT-3 Lab Duplicate	Modified TO-15/TICs	3.0 "Hg	5 psi
04A	ALB4:AT-4	Modified TO-15/TICs	3.0 "Hg	5 psi
05A	ALB4:AT-5	Modified TO-15/TICs	2.5 "Hg	5 psi
06A	Lab Blank	Modified TO-15/TICs	NA	NA
07A	CCV	Modified TO-15/TICs	NA	NA
08A	LCS	Modified TO-15/TICs	NA	NA

CERTIFIED BY: 

DATE: 02/15/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0802021A



Five 6 Liter Summa Canister samples were received on February 01, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.

- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB4:AT-1

Lab ID#: 0802021A-01A

No Detections Were Found.

Client Sample ID: ALB4:AT-2

Lab ID#: 0802021A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.79	0.82	3.9	4.1
Ethanol	3.2	8.1	6.0	15
Toluene	0.79	0.79	3.0	3.0

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	4.9 N J

Client Sample ID: ALB4:AT-3

Lab ID#: 0802021A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.0	4.7	7.1	11

Client Sample ID: ALB4:AT-3 Lab Duplicate

Lab ID#: 0802021A-03AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.0	4.3	7.1	10

Client Sample ID: ALB4:AT-4

Lab ID#: 0802021A-04A

No Detections Were Found.

Client Sample ID: ALB4:AT-5

Lab ID#: 0802021A-05A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-1

Lab ID#: 0802021A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020507	Date of Collection: 1/31/08
Dil. Factor:	1.52	Date of Analysis: 2/5/08 02:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Chloromethane	3.0	Not Detected	6.3	Not Detected
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
Ethanol	3.0	Not Detected	5.7	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Acetone	3.0	Not Detected	7.2	Not Detected
2-Propanol	3.0	Not Detected	7.5	Not Detected
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
Methylene Chloride	0.76	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Hexane	0.76	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	Not Detected	2.2	Not Detected
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
Benzene	0.76	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
Toluene	0.76	Not Detected	2.9	Not Detected
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.8	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	Not Detected	3.3	Not Detected
m,p-Xylene	0.76	Not Detected	3.3	Not Detected
o-Xylene	0.76	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
Dichlorofluoromethane	3.0	Not Detected	13	Not Detected
Chlorodifluoromethane	3.0	Not Detected	11	Not Detected
Acrylonitrile	3.0	Not Detected	6.6	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-1

Lab ID#: 0802021A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020507	Date of Collection:	1/31/08
Dil. Factor:	1.52	Date of Analysis:	2/5/08 02:29 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
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None Identified

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-2

Lab ID#: 0802021A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020508	Date of Collection: 1/31/08
Dil. Factor:	1.58	Date of Analysis: 2/5/08 03:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.79	0.82	3.9	4.1
Chloromethane	3.2	Not Detected	6.5	Not Detected
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
Freon 11	0.79	Not Detected	4.4	Not Detected
Ethanol	3.2	8.1	6.0	15
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Acetone	3.2	Not Detected	7.5	Not Detected
2-Propanol	3.2	Not Detected	7.8	Not Detected
Carbon Disulfide	0.79	Not Detected	2.5	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Hexane	0.79	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.79	Not Detected	2.3	Not Detected
Chloroform	0.79	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Carbon Tetrachloride	0.79	Not Detected	5.0	Not Detected
Benzene	0.79	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.79	Not Detected	3.2	Not Detected
Trichloroethene	0.79	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.79	Not Detected	3.6	Not Detected
Bromodichloromethane	0.79	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	0.79	Not Detected	3.2	Not Detected
Toluene	0.79	0.79	3.0	3.0
Tetrachloroethene	0.79	Not Detected	5.4	Not Detected
1,2-Dibromoethane (EDB)	0.79	Not Detected	6.1	Not Detected
Chlorobenzene	0.79	Not Detected	3.6	Not Detected
Ethyl Benzene	0.79	Not Detected	3.4	Not Detected
m,p-Xylene	0.79	Not Detected	3.4	Not Detected
o-Xylene	0.79	Not Detected	3.4	Not Detected
1,1,2,2-Tetrachloroethane	0.79	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.79	Not Detected	4.7	Not Detected
Dichlorofluoromethane	3.2	Not Detected	13	Not Detected
Chlorodifluoromethane	3.2	Not Detected	11	Not Detected
Acrylonitrile	3.2	Not Detected	6.8	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-2

Lab ID#: 0802021A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020508	Date of Collection:	1/31/08
Dil. Factor:	1.58	Date of Analysis:	2/5/08 03:24 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Propane, 2-methyl-	75-28-5	9.0%	4.9 N J

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-3

Lab ID#: 0802021A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020509	Date of Collection: 1/31/08
Dil. Factor:	1.49	Date of Analysis: 2/5/08 04:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.74	Not Detected	3.7	Not Detected
Chloromethane	3.0	Not Detected	6.2	Not Detected
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
Chloroethane	0.74	Not Detected	2.0	Not Detected
Freon 11	0.74	Not Detected	4.2	Not Detected
Ethanol	3.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Acetone	3.0	4.7	7.1	11
2-Propanol	3.0	Not Detected	7.3	Not Detected
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.74	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Hexane	0.74	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.74	Not Detected	2.2	Not Detected
Chloroform	0.74	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.74	Not Detected	4.7	Not Detected
Benzene	0.74	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.74	Not Detected	3.0	Not Detected
Trichloroethene	0.74	Not Detected	4.0	Not Detected
1,2-Dichloropropane	0.74	Not Detected	3.4	Not Detected
Bromodichloromethane	0.74	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	0.74	Not Detected	3.0	Not Detected
Toluene	0.74	Not Detected	2.8	Not Detected
Tetrachloroethene	0.74	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	0.74	Not Detected	5.7	Not Detected
Chlorobenzene	0.74	Not Detected	3.4	Not Detected
Ethyl Benzene	0.74	Not Detected	3.2	Not Detected
m,p-Xylene	0.74	Not Detected	3.2	Not Detected
o-Xylene	0.74	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.74	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
Dichlorofluoromethane	3.0	Not Detected	12	Not Detected
Chlorodifluoromethane	3.0	Not Detected	10	Not Detected
Acrylonitrile	3.0	Not Detected	6.5	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-3

Lab ID#: 0802021A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020509	Date of Collection:	1/31/08
Dil. Factor:	1.49	Date of Analysis:	2/5/08 04:02 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-3 Lab Duplicate

Lab ID#: 0802021A-03AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020510	Date of Collection: 1/31/08
Dil. Factor:	1.49	Date of Analysis: 2/5/08 05:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.74	Not Detected	3.7	Not Detected
Chloromethane	3.0	Not Detected	6.2	Not Detected
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
Chloroethane	0.74	Not Detected	2.0	Not Detected
Freon 11	0.74	Not Detected	4.2	Not Detected
Ethanol	3.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Acetone	3.0	4.3	7.1	10
2-Propanol	3.0	Not Detected	7.3	Not Detected
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.74	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Hexane	0.74	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.74	Not Detected	2.2	Not Detected
Chloroform	0.74	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.74	Not Detected	4.7	Not Detected
Benzene	0.74	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.74	Not Detected	3.0	Not Detected
Trichloroethene	0.74	Not Detected	4.0	Not Detected
1,2-Dichloropropane	0.74	Not Detected	3.4	Not Detected
Bromodichloromethane	0.74	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	0.74	Not Detected	3.0	Not Detected
Toluene	0.74	Not Detected	2.8	Not Detected
Tetrachloroethene	0.74	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	0.74	Not Detected	5.7	Not Detected
Chlorobenzene	0.74	Not Detected	3.4	Not Detected
Ethyl Benzene	0.74	Not Detected	3.2	Not Detected
m,p-Xylene	0.74	Not Detected	3.2	Not Detected
o-Xylene	0.74	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.74	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
Dichlorofluoromethane	3.0	Not Detected	12	Not Detected
Chlorodifluoromethane	3.0	Not Detected	10	Not Detected
Acrylonitrile	3.0	Not Detected	6.5	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-3 Lab Duplicate

Lab ID#: 0802021A-03AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020510	Date of Collection:	1/31/08
Dil. Factor:	1.49	Date of Analysis:	2/5/08 05:18 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
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None Identified

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-4

Lab ID#: 0802021A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020511	Date of Collection: 1/31/08
Dil. Factor:	1.49	Date of Analysis: 2/5/08 05:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.74	Not Detected	3.7	Not Detected
Chloromethane	3.0	Not Detected	6.2	Not Detected
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
Chloroethane	0.74	Not Detected	2.0	Not Detected
Freon 11	0.74	Not Detected	4.2	Not Detected
Ethanol	3.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Acetone	3.0	Not Detected	7.1	Not Detected
2-Propanol	3.0	Not Detected	7.3	Not Detected
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.74	Not Detected	2.6	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Hexane	0.74	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.74	Not Detected	2.2	Not Detected
Chloroform	0.74	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.74	Not Detected	4.7	Not Detected
Benzene	0.74	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.74	Not Detected	3.0	Not Detected
Trichloroethene	0.74	Not Detected	4.0	Not Detected
1,2-Dichloropropane	0.74	Not Detected	3.4	Not Detected
Bromodichloromethane	0.74	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	0.74	Not Detected	3.0	Not Detected
Toluene	0.74	Not Detected	2.8	Not Detected
Tetrachloroethene	0.74	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	0.74	Not Detected	5.7	Not Detected
Chlorobenzene	0.74	Not Detected	3.4	Not Detected
Ethyl Benzene	0.74	Not Detected	3.2	Not Detected
m,p-Xylene	0.74	Not Detected	3.2	Not Detected
o-Xylene	0.74	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.74	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
Dichlorofluoromethane	3.0	Not Detected	12	Not Detected
Chlorodifluoromethane	3.0	Not Detected	10	Not Detected
Acrylonitrile	3.0	Not Detected	6.5	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-4

Lab ID#: 0802021A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020511	Date of Collection:	1/31/08
Dil. Factor:	1.49	Date of Analysis:	2/5/08 05:57 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-5

Lab ID#: 0802021A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020512	Date of Collection: 1/31/08
Dil. Factor:	1.46	Date of Analysis: 2/5/08 06:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.73	Not Detected	3.6	Not Detected
Chloromethane	2.9	Not Detected	6.0	Not Detected
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Chloroethane	0.73	Not Detected	1.9	Not Detected
Freon 11	0.73	Not Detected	4.1	Not Detected
Ethanol	2.9	Not Detected	5.5	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Acetone	2.9	Not Detected	6.9	Not Detected
2-Propanol	2.9	Not Detected	7.2	Not Detected
Carbon Disulfide	0.73	Not Detected	2.3	Not Detected
Methylene Chloride	0.73	Not Detected	2.5	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Hexane	0.73	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.73	Not Detected	2.2	Not Detected
Chloroform	0.73	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.73	Not Detected	4.0	Not Detected
Carbon Tetrachloride	0.73	Not Detected	4.6	Not Detected
Benzene	0.73	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.73	Not Detected	3.0	Not Detected
Trichloroethene	0.73	Not Detected	3.9	Not Detected
1,2-Dichloropropane	0.73	Not Detected	3.4	Not Detected
Bromodichloromethane	0.73	Not Detected	4.9	Not Detected
4-Methyl-2-pentanone	0.73	Not Detected	3.0	Not Detected
Toluene	0.73	Not Detected	2.8	Not Detected
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	0.73	Not Detected	5.6	Not Detected
Chlorobenzene	0.73	Not Detected	3.4	Not Detected
Ethyl Benzene	0.73	Not Detected	3.2	Not Detected
m,p-Xylene	0.73	Not Detected	3.2	Not Detected
o-Xylene	0.73	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.73	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
Dichlorofluoromethane	2.9	Not Detected	12	Not Detected
Chlorodifluoromethane	2.9	Not Detected	10	Not Detected
Acrylonitrile	2.9	Not Detected	6.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-5

Lab ID#: 0802021A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020512	Date of Collection: 1/31/08
Dil. Factor:	1.46	Date of Analysis: 2/5/08 06:39 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
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None Identified

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802021A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020506	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 01:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802021A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020506	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 01:20 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802021A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 09:54 AM

Compound	%Recovery
Freon 12	112
Chloromethane	112
Vinyl Chloride	116
Chloroethane	111
Freon 11	108
Ethanol	112
1,1-Dichloroethene	113
Acetone	104
2-Propanol	110
Carbon Disulfide	108
Methylene Chloride	108
trans-1,2-Dichloroethene	104
Hexane	105
1,1-Dichloroethane	113
2-Butanone (Methyl Ethyl Ketone)	107
Chloroform	119
1,1,1-Trichloroethane	114
Carbon Tetrachloride	116
Benzene	113
1,2-Dichloroethane	117
Trichloroethene	111
1,2-Dichloropropane	119
Bromodichloromethane	117
4-Methyl-2-pentanone	118
Toluene	106
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	107
Chlorobenzene	102
Ethyl Benzene	109
m,p-Xylene	113
o-Xylene	115
1,1,2,2-Tetrachloroethane	113
1,4-Dichlorobenzene	114
1,3-Dichlorobenzene	114
1,2-Dichlorobenzene	116
Dichlorofluoromethane	105
Chlorodifluoromethane	105
Acrylonitrile	89



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802021A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 09:54 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802021A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 10:47 AM

Compound	%Recovery
Freon 12	102
Chloromethane	104
Vinyl Chloride	110
Chloroethane	107
Freon 11	98
Ethanol	108
1,1-Dichloroethene	120
Acetone	104
2-Propanol	102
Carbon Disulfide	105
Methylene Chloride	109
trans-1,2-Dichloroethene	101
Hexane	102
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	107
Chloroform	113
1,1,1-Trichloroethane	106
Carbon Tetrachloride	105
Benzene	113
1,2-Dichloroethane	114
Trichloroethene	109
1,2-Dichloropropane	114
Bromodichloromethane	113
4-Methyl-2-pentanone	118
Toluene	110
Tetrachloroethene	106
1,2-Dibromoethane (EDB)	103
Chlorobenzene	101
Ethyl Benzene	105
m,p-Xylene	109
o-Xylene	111
1,1,1,2-Tetrachloroethane	110
1,4-Dichlorobenzene	109
1,3-Dichlorobenzene	110
1,2-Dichlorobenzene	109
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802021A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 10:47 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**




AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0802019A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	02/01/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	02/14/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	ALB4: AT-1	Modified TO-15/TICs	Tedlar Bag	Tedlar Bag
02A	ALB4: AT-2	Modified TO-15/TICs	Tedlar Bag	Tedlar Bag
03A	ALB4: LFC-1	Modified TO-15/TICs	Tedlar Bag	Tedlar Bag
04A	Lab Blank	Modified TO-15/TICs	NA	NA
05A	CCV	Modified TO-15/TICs	NA	NA
06A	LCS	Modified TO-15/TICs	NA	NA

CERTIFIED BY: 
 Laboratory Director

DATE: 02/14/08

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
Modified TO-15
RTP Environmental Associates
Workorder# 0802019A**



Three 1 Liter Tedlar Bag samples were received on February 01, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	<= 30% Difference with two allowed out up to <=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB4: AT-1

Lab ID#: 0802019A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.50	2.5	2.5
Ethanol	2.0	23	3.8	44
Acetone	2.0	12	4.8	29
2-Propanol	2.0	7.4	4.9	18
Carbon Disulfide	0.50	2.8	1.6	8.7
Methylene Chloride	0.50	0.52	1.7	1.8
2-Butanone (Methyl Ethyl Ketone)	0.50	1.6	1.5	4.8
Toluene	0.50	2.2	1.9	8.3

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethane, 1,1-difluoro-	75-37-6	90%	17 N J
2-Butene, (Z)-	590-18-1	64%	4.3 N J
Butane, 2-methyl-	78-78-4	72%	2.9 N J
Pentane	109-66-0	78%	3.3 N J
Hexane, 2,3,3-trimethyl-	16747-28-7	64%	5.2 N J
Octane, 4-methyl-	2216-34-4	90%	5.7 N J
Eicosane	112-95-8	83%	4.4 N J
Octane, 6-ethyl-2-methyl-	62016-19-7	64%	4.3 N J

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	13	2.5	66
Ethanol	2.0	32	3.8	60
Acetone	2.0	15	4.8	36
2-Propanol	2.0	11	4.9	28
Carbon Disulfide	0.50	2.9	1.6	9.1
Methylene Chloride	0.50	0.61	1.7	2.1
2-Butanone (Methyl Ethyl Ketone)	0.50	1.4	1.5	4.1
Toluene	0.50	2.6	1.9	9.7
m,p-Xylene	0.50	0.67	2.2	2.9

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019A-02A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Ethane, 1,1,1,2-tetrafluoro-	811-97-2	74%	9.8 N J
Propane, 2-methyl-	75-28-5	40%	7.2 N J
Butane	106-97-8	58%	6.0 N J
Unknown	NA	NA	4.4 J
Pentane	109-66-0	64%	2.6 N J
Pentane, 2-bromo-	107-81-3	59%	3.2 N J
Decane, 2,4-dimethyl-	2801-84-5	64%	2.7 N J
Unknown	NA	NA	3.2 J

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	1100	200	5600
Vinyl Chloride	40	440	100	1100
Chloroethane	40	180	100	470
Freon 11	40	370	220	2100
Ethanol	160	50000 E	300	94000 E
Acetone	160	6000	380	14000
2-Propanol	160	7700	390	19000
Carbon Disulfide	40	340	120	1100
Methylene Chloride	40	350	140	1200
Hexane	40	1300	140	4700
1,1-Dichloroethane	40	130	160	530
2-Butanone (Methyl Ethyl Ketone)	40	8600	120	25000
Benzene	40	1400	130	4300
1,2-Dichloroethane	40	170	160	690
Trichloroethene	40	700	210	3700
1,2-Dichloropropane	40	45	180	210
4-Methyl-2-pentanone	40	640	160	2600
Toluene	40	14000	150	52000
Tetrachloroethene	40	580	270	3900
Ethyl Benzene	40	3400	170	15000
m,p-Xylene	40	6200	170	27000
o-Xylene	40	1900	170	8300



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019A-03A

1,4-Dichlorobenzene	40	150	240	920
Dichlorofluoromethane	160	560	670	2400
Chlorodifluoromethane	160	1200	570	4100

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	5400 J
Propane, 2-methyl-	75-28-5	47%	6400 N J
Butane, 2-methyl-	78-78-4	14%	7400 N J
Pentane	109-66-0	90%	8100 N J
Butanoic acid, propyl ester	105-66-8	59%	4400 N J
.alpha.-Pinene	80-56-8	95%	18000 N J
Decane	124-18-5	90%	11000 N J
Butanoic acid, hexyl ester	2639-63-6	59%	8700 N J
Cyclohexane, 1,2,4-tris(methylene)-	14296-81-2	58%	5100 N J
Limonene	138-86-3	93%	11000 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-1

Lab ID#: 0802019A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020207	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/2/08 01:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	0.50	2.5	2.5
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	23	3.8	44
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	12	4.8	29
2-Propanol	2.0	7.4	4.9	18
Carbon Disulfide	0.50	2.8	1.6	8.7
Methylene Chloride	0.50	0.52	1.7	1.8
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	1.6	1.5	4.8
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	2.2	1.9	8.3
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-1

Lab ID#: 0802019A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020207	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/2/08 01:57 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethane, 1,1-difluoro-	75-37-6	90%	17 N J
2-Butene, (Z)-	590-18-1	64%	4.3 N J
Butane, 2-methyl-	78-78-4	72%	2.9 N J
Pentane	109-66-0	78%	3.3 N J
Hexane, 2,3,3-trimethyl-	16747-28-7	64%	5.2 N J
Octane, 4-methyl-	2216-34-4	90%	5.7 N J
Eicosane	112-95-8	83%	4.4 N J
Octane, 6-ethyl-2-methyl-	62016-19-7	64%	4.3 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	107	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020208	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/2/08 02:45 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	13	2.5	66
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	32	3.8	60
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	15	4.8	36
2-Propanol	2.0	11	4.9	28
Carbon Disulfide	0.50	2.9	1.6	9.1
Methylene Chloride	0.50	0.61	1.7	2.1
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	1.4	1.5	4.1
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	2.6	1.9	9.7
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	0.67	2.2	2.9
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020208	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/2/08 02:45 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethane, 1,1,1,2-tetrafluoro-	811-97-2	74%	9.8 N J
Propane, 2-methyl-	75-28-5	40%	7.2 N J
Butane	106-97-8	58%	6.0 N J
Unknown	NA	NA	4.4 J
Pentane	109-66-0	64%	2.6 N J
Pentane, 2-bromo-	107-81-3	59%	3.2 N J
Decane, 2,4-dimethyl-	2801-84-5	64%	2.7 N J
Unknown	NA	NA	3.2 J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020212	Date of Collection: 1/31/08
Dil. Factor:	80.0	Date of Analysis: 2/2/08 06:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	40	1100	200	5600
Chloromethane	160	Not Detected	330	Not Detected
Vinyl Chloride	40	440	100	1100
Chloroethane	40	180	100	470
Freon 11	40	370	220	2100
Ethanol	160	50000 E	300	94000 E
1,1-Dichloroethene	40	Not Detected	160	Not Detected
Acetone	160	6000	380	14000
2-Propanol	160	7700	390	19000
Carbon Disulfide	40	340	120	1100
Methylene Chloride	40	350	140	1200
trans-1,2-Dichloroethene	40	Not Detected	160	Not Detected
Hexane	40	1300	140	4700
1,1-Dichloroethane	40	130	160	530
2-Butanone (Methyl Ethyl Ketone)	40	8600	120	25000
Chloroform	40	Not Detected	200	Not Detected
1,1,1-Trichloroethane	40	Not Detected	220	Not Detected
Carbon Tetrachloride	40	Not Detected	250	Not Detected
Benzene	40	1400	130	4300
1,2-Dichloroethane	40	170	160	690
Trichloroethene	40	700	210	3700
1,2-Dichloropropane	40	45	180	210
Bromodichloromethane	40	Not Detected	270	Not Detected
4-Methyl-2-pentanone	40	640	160	2600
Toluene	40	14000	150	52000
Tetrachloroethene	40	580	270	3900
1,2-Dibromoethane (EDB)	40	Not Detected	310	Not Detected
Chlorobenzene	40	Not Detected	180	Not Detected
Ethyl Benzene	40	3400	170	15000
m,p-Xylene	40	6200	170	27000
o-Xylene	40	1900	170	8300
1,1,2,2-Tetrachloroethane	40	Not Detected	270	Not Detected
1,4-Dichlorobenzene	40	150	240	920
1,3-Dichlorobenzene	40	Not Detected	240	Not Detected
1,2-Dichlorobenzene	40	Not Detected	240	Not Detected
Dichlorofluoromethane	160	560	670	2400
Chlorodifluoromethane	160	1200	570	4100
Acrylonitrile	160	Not Detected	350	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020212	Date of Collection:	1/31/08
Dil. Factor:	80.0	Date of Analysis:	2/2/08 06:17 PM

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	5400 J
Propane, 2-methyl-	75-28-5	47%	6400 N J
Butane, 2-methyl-	78-78-4	14%	7400 N J
Pentane	109-66-0	90%	8100 N J
Butanoic acid, propyl ester	105-66-8	59%	4400 N J
.alpha.-Pinene	80-56-8	95%	18000 N J
Decane	124-18-5	90%	11000 N J
Butanoic acid, hexyl ester	2639-63-6	59%	8700 N J
Cyclohexane, 1,2,4-tris(methylene)-	14296-81-2	58%	5100 N J
Limonene	138-86-3	93%	11000 N J

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802019A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 01:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
Dichlorofluoromethane	2.0	Not Detected	8.4	Not Detected
Chlorodifluoromethane	2.0	Not Detected	7.1	Not Detected
Acrylonitrile	2.0	Not Detected	4.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802019A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 01:01 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802019A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 08:54 AM

Compound	%Recovery
Freon 12	111
Chloromethane	108
Vinyl Chloride	115
Chloroethane	110
Freon 11	111
Ethanol	119
1,1-Dichloroethene	114
Acetone	104
2-Propanol	116
Carbon Disulfide	107
Methylene Chloride	108
trans-1,2-Dichloroethene	108
Hexane	107
1,1-Dichloroethane	116
2-Butanone (Methyl Ethyl Ketone)	110
Chloroform	121
1,1,1-Trichloroethane	114
Carbon Tetrachloride	116
Benzene	116
1,2-Dichloroethane	120
Trichloroethene	114
1,2-Dichloropropane	120
Bromodichloromethane	118
4-Methyl-2-pentanone	118
Toluene	106
Tetrachloroethene	109
1,2-Dibromoethane (EDB)	109
Chlorobenzene	104
Ethyl Benzene	109
m,p-Xylene	112
o-Xylene	115
1,1,1,2-Tetrachloroethane	114
1,4-Dichlorobenzene	114
1,3-Dichlorobenzene	114
1,2-Dichlorobenzene	115
Dichlorofluoromethane	104
Chlorodifluoromethane	104
Acrylonitrile	93



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802019A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 08:54 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802019A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 09:32 AM

Compound	%Recovery
Freon 12	103
Chloromethane	100
Vinyl Chloride	109
Chloroethane	106
Freon 11	100
Ethanol	118
1,1-Dichloroethene	121
Acetone	106
2-Propanol	105
Carbon Disulfide	105
Methylene Chloride	110
trans-1,2-Dichloroethene	106
Hexane	98
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	105
Chloroform	116
1,1,1-Trichloroethane	105
Carbon Tetrachloride	106
Benzene	116
1,2-Dichloroethane	120
Trichloroethene	115
1,2-Dichloropropane	118
Bromodichloromethane	118
4-Methyl-2-pentanone	116
Toluene	108
Tetrachloroethene	110
1,2-Dibromoethane (EDB)	106
Chlorobenzene	104
Ethyl Benzene	108
m,p-Xylene	114
o-Xylene	116
1,1,1,2-Tetrachloroethane	115
1,4-Dichlorobenzene	114
1,3-Dichlorobenzene	115
1,2-Dichlorobenzene	113
Dichlorofluoromethane	Not Spiked
Chlorodifluoromethane	Not Spiked
Acrylonitrile	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802019A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t020203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/08 09:32 AM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

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- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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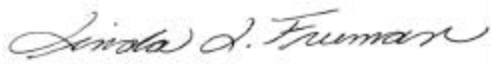
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0802020A

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	02/01/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	02/18/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	ALB4:VOST1.f	Modified VOST 5041A/8260B
02A	ALB4:VOST1.b	Modified VOST 5041A/8260B
03A	ALB4:VOST2.f	Modified VOST 5041A/8260B
04A	ALB4:VOST2.b	Modified VOST 5041A/8260B
05A	ALB4:TB1.f	Modified VOST 5041A/8260B
06A	ALB4:TB1.b	Modified VOST 5041A/8260B
07A	Lab Blank	Modified VOST 5041A/8260B
08A	LCS	Modified VOST 5041A/8260B

CERTIFIED BY:  DATE: 02/19/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
VOST 5041A
RTP Environmental Associates
Workorder# 0802020A

Six VOST Tube samples were received on February 01, 2008. The laboratory performed the analysis via EPA SW-846 Method 5041A using GC/MS in the full scan mode. VOST sorbent tubes are thermally desorbed at 180 degrees centigrade for ten minutes by UHP helium carrier gas. The gas stream is then bubbled through 5 mL of organic free water and trapped on the sorbent trap of the purge and trap system. The trap is thermally desorbed to elute the components into the GC/MS system for further separation. See the data sheets for the reporting limits for each compound.

<i>Requirement</i>	<i>VOST 5041A</i>	<i>ATL Modifications</i>
Batch Certification	Blanks from the same media as samples	Analysis of set of cartridges prior to onset of any project; Sampling media provided by the client is batch certified ahead of time, only if client provides blank cartridges.
Method blank	Cartridges from the same media batches as the samples	Media batch is certified prior to use in the field. Method Blank is used to certify instrument is contaminant free
Connection between cartridge thermal desorption apparatus & sample purge vessel	PTFE 1/16" Teflon tubing	Heated, 1/16" silica lined stainless steel tubing
Calibration Criteria for non-CCCs	RSD +/- 15 % for all non-CCCs	RSD <= 30 % for some compounds: Acetone, Bromoform, Vinyl Acetate, Bromomethane, Chloromethane, 1,1,2,2-Tetrachloroethane, & 1,2,3-Trichloropropane

Receiving Notes

The Chain of Custody contained incorrect method information. ATL proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank or tube certification greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB4:VOST1.f

Lab ID#: 0802020A-01A

Compound	Rpt. Limit (ng)	Amount (ng)
Freon 11	10	54
Hexane	10	59
Chloroform	10	12
Carbon Tetrachloride	10	87
Benzene	10	140
1,2-Dichloroethane	10	10
Toluene	10	120
Tetrachloroethene	10	12
Ethyl Benzene	10	19
m,p-Xylene	10	49
o-Xylene	10	16
1,2,4-Trimethylbenzene	10	10

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	80%	29 N J
Pentane	109-66-0	90%	39 N J
Pentane, 2-methyl-	107-83-5	87%	40 N J
Hexane, 3-methyl-	589-34-4	83%	31 N J
Heptane	142-82-5	91%	36 N J
Unknown	NA	NA	28 J

Client Sample ID: ALB4:VOST1.b

Lab ID#: 0802020A-02A

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	28
Freon 11	10	83
Freon 113	10	15
Carbon Tetrachloride	10	20
Freon 12	10	460

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	64%	36 N J
Butane	106-97-8	72%	38 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB4:VOST2.f

Lab ID#: 0802020A-03A

Compound	Rpt. Limit (ng)	Amount (ng)
Freon 11	10	40
Acetone	50	64
Methylene Chloride	10	14
Hexane	10	170
2-Butanone (Methyl Ethyl Ketone)	50	460
Chloroform	10	14
1,1,1-Trichloroethane	10	100
Carbon Tetrachloride	10	76
Benzene	10	150
1,2-Dichloroethane	10	11
Toluene	10	670
Tetrachloroethene	10	150
Ethyl Benzene	10	92
m,p-Xylene	10	260
o-Xylene	10	74
1,4-Dichlorobenzene	10	21
Propylbenzene	10	12
1,3,5-Trimethylbenzene	10	16
1,2,4-Trimethylbenzene	10	41

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	80%	77 N J
Pentane	109-66-0	90%	51 N J
Pentane, 2-methyl-	107-83-5	91%	78 N J
Hexane, 2-methyl-	591-76-4	93%	220 N J
Hexane, 3-methyl-	589-34-4	91%	320 N J
Heptane	142-82-5	72%	300 N J
Octane, 2-methyl-	3221-61-2	64%	62 N J
Cyclohexane, propyl-	1678-92-8	64%	89 N J
Octane, 2,5-dimethyl-	15869-89-3	68%	110 N J
Decane, 2-methyl-	6975-98-0	72%	100 N J

Client Sample ID: ALB4:VOST2.b

Lab ID#: 0802020A-04A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED VOST 5041A/8260B

Client Sample ID: ALB4:VOST2.b

Lab ID#: 0802020A-04A

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	65
Freon 11	10	130
Freon 113	10	23
Acetone	50	64
Methylene Chloride	10	48
1,1,1-Trichloroethane	10	37
Carbon Tetrachloride	10	19
Freon 12	10	1100 E

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	58%	680 N J
Butane	106-97-8	80%	270 N J
Butane, 2-methyl-	78-78-4	80%	100 N J
Pentane	109-66-0	90%	34 N J
Hexane, 3-methyl-	589-34-4	87%	31 N J

Client Sample ID: ALB4:TB1.f

Lab ID#: 0802020A-05A

No Detections Were Found.

Client Sample ID: ALB4:TB1.b

Lab ID#: 0802020A-06A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.f

Lab ID#: 0802020A-01A

MODIFIED VOST 5041A/8260B

File Name:	I021011	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/11/08 12:11 AM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	54
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	50	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	59
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	12
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	87
1,1-Dichloropropene	10	Not Detected
Benzene	10	140
1,2-Dichloroethane	10	10
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	120
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	12
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.f

Lab ID#: 0802020A-01A

MODIFIED VOST 5041A/8260B

File Name:	I021011	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/11/08 12:11 AM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	19
m,p-Xylene	10	49
o-Xylene	10	16
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	10
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	80%	29 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.f

Lab ID#: 0802020A-01A

MODIFIED VOST 5041A/8260B

File Name:	I021011	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/11/08 12:11 AM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Pentane	109-66-0	90%	39 N J
Pentane, 2-methyl-	107-83-5	87%	40 N J
Hexane, 3-methyl-	589-34-4	83%	31 N J
Heptane	142-82-5	91%	36 N J
Unknown	NA	NA	28 J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.b

Lab ID#: 0802020A-02A

MODIFIED VOST 5041A/8260B

File Name:	I021009	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/10/08 11:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	28
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	83
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	15
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	50	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	20
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.b

Lab ID#: 0802020A-02A

MODIFIED VOST 5041A/8260B

File Name:	I021009	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 11:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	460

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	64%	36 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST1.b

Lab ID#: 0802020A-02A

MODIFIED VOST 5041A/8260B

File Name:	I021009	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 11:06 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane	106-97-8	72%	38 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.f

Lab ID#: 0802020A-03A

MODIFIED VOST 5041A/8260B

File Name:	I021010	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 11:36 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	40
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	64
3-Chloropropene	50	Not Detected
Methylene Chloride	10	14
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	170
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	460
Bromochloromethane	10	Not Detected
Chloroform	10	14
1,1,1-Trichloroethane	10	100
Carbon Tetrachloride	10	76
1,1-Dichloropropene	10	Not Detected
Benzene	10	150
1,2-Dichloroethane	10	11
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	670
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	150
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.f

Lab ID#: 0802020A-03A

MODIFIED VOST 5041A/8260B

File Name:	I021010	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 11:36 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	92
m,p-Xylene	10	260
o-Xylene	10	74
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	21
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	12
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	16
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	41
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Butane, 2-methyl-	78-78-4	80%	77 N J



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.f

Lab ID#: 0802020A-03A

MODIFIED VOST 5041A/8260B

File Name:	I021010	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/10/08 11:36 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Pentane	109-66-0	90%	51 N J
Pentane, 2-methyl-	107-83-5	91%	78 N J
Hexane, 2-methyl-	591-76-4	93%	220 N J
Hexane, 3-methyl-	589-34-4	91%	320 N J
Heptane	142-82-5	72%	300 N J
Octane, 2-methyl-	3221-61-2	64%	62 N J
Cyclohexane, propyl-	1678-92-8	64%	89 N J
Octane, 2,5-dimethyl-	15869-89-3	68%	110 N J
Decane, 2-methyl-	6975-98-0	72%	100 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.b

Lab ID#: 0802020A-04A

MODIFIED VOST 5041A/8260B

File Name:	I021008	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 10:39 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	65
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	130
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	23
Carbon Disulfide	10	Not Detected
Acetone	50	64
3-Chloropropene	50	Not Detected
Methylene Chloride	10	48
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	37
Carbon Tetrachloride	10	19
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.b

Lab ID#: 0802020A-04A

MODIFIED VOST 5041A/8260B

File Name:	I021008	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 10:39 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	1100 E

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:VOST2.b

Lab ID#: 0802020A-04A

MODIFIED VOST 5041A/8260B

File Name:	I021008	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/10/08 10:39 PM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ng)
Propane, 2-methyl-	75-28-5	58%	680 N J
Butane	106-97-8	80%	270 N J
Butane, 2-methyl-	78-78-4	80%	100 N J
Pentane	109-66-0	90%	34 N J
Hexane, 3-methyl-	589-34-4	87%	31 N J

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	97	70-130
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.f

Lab ID#: 0802020A-05A

MODIFIED VOST 5041A/8260B

File Name:	I021007	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 10:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	50	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.f

Lab ID#: 0802020A-05A

MODIFIED VOST 5041A/8260B

File Name:	I021007	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 10:06 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.f

Lab ID#: 0802020A-05A

MODIFIED VOST 5041A/8260B

File Name:	I021007	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/10/08 10:06 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.b

Lab ID#: 0802020A-06A

MODIFIED VOST 5041A/8260B

File Name:	I021006	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 09:27 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	50	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.b

Lab ID#: 0802020A-06A

MODIFIED VOST 5041A/8260B

File Name:	I021006	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/10/08 09:27 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:TB1.b

Lab ID#: 0802020A-06A

MODIFIED VOST 5041A/8260B

File Name:	I021006	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/10/08 09:27 PM

Container Type: VOST Tube

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802020A-07A

MODIFIED VOST 5041A/8260B

File Name:	I021005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 07:31 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Chloromethane	10	Not Detected
Vinyl Chloride	10	Not Detected
Bromomethane	10	Not Detected
Chloroethane	10	Not Detected
Freon 11	10	Not Detected
2-Chloropropane	50	Not Detected
1,1-Dichloroethene	10	Not Detected
Freon 113	10	Not Detected
Carbon Disulfide	10	Not Detected
Acetone	50	Not Detected
3-Chloropropene	50	Not Detected
Methylene Chloride	10	Not Detected
trans-1,2-Dichloroethene	10	Not Detected
Acrylonitrile	50	Not Detected
Hexane	10	Not Detected
1,1-Dichloroethane	10	Not Detected
Vinyl Acetate	50	Not Detected
2,2-Dichloropropane	50	Not Detected
cis-1,2-Dichloroethene	10	Not Detected
2-Butanone (Methyl Ethyl Ketone)	50	Not Detected
Bromochloromethane	10	Not Detected
Chloroform	10	Not Detected
1,1,1-Trichloroethane	10	Not Detected
Carbon Tetrachloride	10	Not Detected
1,1-Dichloropropene	10	Not Detected
Benzene	10	Not Detected
1,2-Dichloroethane	10	Not Detected
Trichloroethene	10	Not Detected
1,2-Dichloropropane	10	Not Detected
Dibromomethane	10	Not Detected
Bromodichloromethane	10	Not Detected
cis-1,3-Dichloropropene	10	Not Detected
trans-1,3-Dichloropropene	10	Not Detected
4-Methyl-2-pentanone	50	Not Detected
Toluene	10	Not Detected
1,1,2-Trichloroethane	10	Not Detected
Tetrachloroethene	10	Not Detected
1,3-Dichloropropane	10	Not Detected
2-Hexanone	50	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802020A-07A

MODIFIED VOST 5041A/8260B

File Name:	I021005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 07:31 PM

Compound	Rpt. Limit (ng)	Amount (ng)
Dibromochloromethane	10	Not Detected
Chlorobenzene	10	Not Detected
1,2-Dibromoethane (EDB)	10	Not Detected
Ethyl Benzene	10	Not Detected
m,p-Xylene	10	Not Detected
o-Xylene	10	Not Detected
Styrene	10	Not Detected
Bromoform	10	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected
1,3-Dichlorobenzene	10	Not Detected
1,4-Dichlorobenzene	10	Not Detected
1,2-Dichlorobenzene	10	Not Detected
Cumene	10	Not Detected
cis-1,4-Dichloro-2-butene	50	Not Detected
Bromobenzene	10	Not Detected
1,2,3-Trichloropropane	10	Not Detected
trans-1,4-Dichloro-2-butene	50	Not Detected
Propylbenzene	10	Not Detected
2-Chlorotoluene	10	Not Detected
4-Chlorotoluene	10	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected
tert-Butylbenzene	10	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected
sec-Butylbenzene	10	Not Detected
p-Cymene	10	Not Detected
1,2-Dibromo-3-chloropropane	50	Not Detected
1,2,4-Trichlorobenzene	50	Not Detected
Naphthalene	50	Not Detected
Hexachlorobutadiene	50	Not Detected
1,2,3-Trichlorobenzene	50	Not Detected
1,1,1,2-Tetrachloroethane	10	Not Detected
Butylbenzene	10	Not Detected
Iodomethane	50	Not Detected
Freon 12	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount nG
None Identified			



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802020A-07A

MODIFIED VOST 5041A/8260B

File Name:	I021005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 07:31 PM

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802020A-08A

MODIFIED VOST 5041A/8260B

File Name:	I021004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 06:19 PM

Compound	%Recovery
Chloromethane	108
Vinyl Chloride	89
Bromomethane	92
Chloroethane	117
Freon 11	101
2-Chloropropane	106
1,1-Dichloroethene	100
Freon 113	103
Carbon Disulfide	108
Acetone	133
3-Chloropropene	108
Methylene Chloride	101
trans-1,2-Dichloroethene	104
Acrylonitrile	126
Hexane	110
1,1-Dichloroethane	103
Vinyl Acetate	Not Spiked
2,2-Dichloropropane	104
cis-1,2-Dichloroethene	100
2-Butanone (Methyl Ethyl Ketone)	132
Bromochloromethane	108
Chloroform	106
1,1,1-Trichloroethane	106
Carbon Tetrachloride	104
1,1-Dichloropropene	106
Benzene	103
1,2-Dichloroethane	109
Trichloroethene	103
1,2-Dichloropropane	105
Dibromomethane	110
Bromodichloromethane	95
cis-1,3-Dichloropropene	103
trans-1,3-Dichloropropene	115
4-Methyl-2-pentanone	158 Q
Toluene	106
1,1,2-Trichloroethane	110
Tetrachloroethene	102
1,3-Dichloropropane	108
2-Hexanone	145



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802020A-08A

MODIFIED VOST 5041A/8260B

File Name:	I021004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 06:19 PM

Compound	%Recovery
Dibromochloromethane	101
Chlorobenzene	100
1,2-Dibromoethane (EDB)	113
Ethyl Benzene	106
m,p-Xylene	106
o-Xylene	105
Styrene	111
Bromoform	110
1,1,1,2-Tetrachloroethane	112
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	97
1,2-Dichlorobenzene	101
Cumene	100
cis-1,4-Dichloro-2-butene	101
Bromobenzene	99
1,2,3-Trichloropropane	105
trans-1,4-Dichloro-2-butene	109
Propylbenzene	99
2-Chlorotoluene	100
4-Chlorotoluene	100
1,3,5-Trimethylbenzene	98
tert-Butylbenzene	96
1,2,4-Trimethylbenzene	98
sec-Butylbenzene	94
p-Cymene	115
1,2-Dibromo-3-chloropropane	142 Q
1,2,4-Trichlorobenzene	105
Naphthalene	154 Q
Hexachlorobutadiene	108
1,2,3-Trichlorobenzene	116
1,1,1,2-Tetrachloroethane	105
Butylbenzene	112
Iodomethane	107
Freon 12	136

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
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Client Sample ID: LCS

Lab ID#: 0802020A-08A

MODIFIED VOST 5041A/8260B

File Name:	I021004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/10/08 06:19 PM

Surrogates	%Recovery	Method Limits
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130



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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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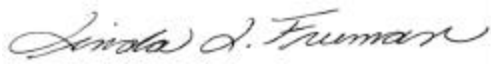
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0802019C

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	02/01/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	02/06/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	ALB4: AT-1	ASTM D-5504	Tedlar Bag	Tedlar Bag
02A	ALB4: AT-2	ASTM D-5504	Tedlar Bag	Tedlar Bag
03A	ALB4: LFC-1	ASTM D-5504	Tedlar Bag	Tedlar Bag
04A	Lab Blank	ASTM D-5504	NA	NA
04B	Lab Blank	ASTM D-5504	NA	NA
05A	LCS	ASTM D-5504	NA	NA

CERTIFIED BY:  DATE: 02/06/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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LABORATORY NARRATIVE
ASTM D-5504
RTP Environmental Associates
Workorder# 0802019C

Three 1 Liter Tedlar Bag samples were received on February 01, 2008. The laboratory performed the analysis of sulfur compounds via ASTM D-5504 using GC/SCD. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Receiving Notes

Samples were received past the recommended hold time of 24 hours. Analysis proceeded.

Analytical Notes

Ethyl Methyl Sulfide and n-Butyl Mercaptan coelute with 3-Methyl Thiophene.

Hydrogen Sulfide was detected in the laboratory blank analyzed on 02/01/2008 at less than 5X the reporting limit. Associated result for sample ALB4: LFC-1 is reported as qualified.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



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Summary of Detected Compounds SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: ALB4: AT-1

Lab ID#: 0802019C-01A

No Detections Were Found.

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019C-02A

No Detections Were Found.

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019C-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4000	890000 B
Methyl Mercaptan	4000	4600
Isopropyl Mercaptan	4000	6200

Client Sample ID: Lab Blank

Lab ID#: 0802019C-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	11



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-1

Lab ID#: 0802019C-01A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020119	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/1/08 05:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: AT-2

Lab ID#: 0802019C-02A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020120	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/1/08 05:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4: LFC-1

Lab ID#: 0802019C-03A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020124	Date of Collection:	1/31/08
Dil. Factor:	1000	Date of Analysis:	2/1/08 07:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4000	890000 B
Carbonyl Sulfide	4000	Not Detected
Methyl Mercaptan	4000	4600
Ethyl Mercaptan	4000	Not Detected
Dimethyl Sulfide	4000	Not Detected
Carbon Disulfide	4000	Not Detected
Isopropyl Mercaptan	4000	6200
tert-Butyl Mercaptan	4000	Not Detected
n-Propyl Mercaptan	4000	Not Detected
Thiophene	4000	Not Detected
Isobutyl Mercaptan	4000	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4000	Not Detected
Diethyl Sulfide	4000	Not Detected
Dimethyl Disulfide	4000	Not Detected
Tetrahydrothiophene	4000	Not Detected
2-Ethylthiophene	4000	Not Detected
2,5-Dimethylthiophene	4000	Not Detected
Diethyl Disulfide	4000	Not Detected

B = Compound present in laboratory blank greater than reporting limit, background subtraction not performed.

Container Type: 1 Liter Tedlar Bag



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802019C-04A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/31/08 10:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802019C-04B

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020123	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/1/08 07:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	11
Carbonyl Sulfide	4.0	Not Detected
Methyl Mercaptan	4.0	Not Detected
Ethyl Mercaptan	4.0	Not Detected
Dimethyl Sulfide	4.0	Not Detected
Carbon Disulfide	4.0	Not Detected
Isopropyl Mercaptan	4.0	Not Detected
tert-Butyl Mercaptan	4.0	Not Detected
n-Propyl Mercaptan	4.0	Not Detected
Thiophene	4.0	Not Detected
Isobutyl Mercaptan	4.0	Not Detected
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	4.0	Not Detected
Diethyl Sulfide	4.0	Not Detected
Dimethyl Disulfide	4.0	Not Detected
Tetrahydrothiophene	4.0	Not Detected
2-Ethylthiophene	4.0	Not Detected
2,5-Dimethylthiophene	4.0	Not Detected
Diethyl Disulfide	4.0	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802019C-05A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	I020102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/31/08 09:31 PM

Compound	%Recovery
Hydrogen Sulfide	73
Carbonyl Sulfide	71
Methyl Mercaptan	85
Ethyl Mercaptan	105
Dimethyl Sulfide	116
Carbon Disulfide	84
Isopropyl Mercaptan	104
tert-Butyl Mercaptan	112
n-Propyl Mercaptan	116
Thiophene	105
Isobutyl Mercaptan	119
3-Methyl Thiophene/n-Butyl Mercaptan/Ethyl Methyl Sulfide	112
Diethyl Sulfide	116
Dimethyl Disulfide	111
Tetrahydrothiophene	132 Q
2-Ethylthiophene	99
2,5-Dimethylthiophene	111
Diethyl Disulfide	110

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable



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- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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WORK ORDER #: 0802021B

Work Order Summary

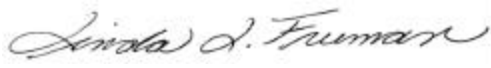
CLIENT: Mr. Brian Aerne
RTP Environmental Associates
400 Post Avenue
Westbury, NY 11590

BILL TO: Mr. Brian Aerne
RTP Environmental Associates
400 Post Avenue
Westbury, NY 11590

PHONE: 516-333-4526
FAX: 516-333-4571
DATE RECEIVED: 02/01/2008
DATE COMPLETED: 02/15/2008

P.O. #
PROJECT # Albany Landfill
CONTACT: Bryanna Langley

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	ALB4:AT-1	Modified ASTM D-1945	3.5 "Hg	5 psi
01AA	ALB4:AT-1 Lab Duplicate	Modified ASTM D-1945	3.5 "Hg	5 psi
02A	ALB4:AT-2	Modified ASTM D-1945	4.5 "Hg	5 psi
03A	ALB4:AT-3	Modified ASTM D-1945	3.0 "Hg	5 psi
04A	ALB4:AT-4	Modified ASTM D-1945	3.0 "Hg	5 psi
05A	ALB4:AT-5	Modified ASTM D-1945	2.5 "Hg	5 psi
06A	Lab Blank	Modified ASTM D-1945	NA	NA
07A	LCS	Modified ASTM D-1945	NA	NA

CERTIFIED BY:  DATE: 02/15/08
Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1945
RTP Environmental Associates
Workorder# 0802021B

Five 6 Liter Summa Canister samples were received on February 01, 2008. The laboratory performed analysis via modified ASTM Method D-1945 for Methane in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1945</i>	<i>ATL Modifications</i>
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 85-115%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 15%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

Client Sample ID: ALB4:AT-1

Lab ID#: 0802021B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00023

Client Sample ID: ALB4:AT-1 Lab Duplicate

Lab ID#: 0802021B-01AA

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00021

Client Sample ID: ALB4:AT-2

Lab ID#: 0802021B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00053

Client Sample ID: ALB4:AT-3

Lab ID#: 0802021B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00039

Client Sample ID: ALB4:AT-4

Lab ID#: 0802021B-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00049

Client Sample ID: ALB4:AT-5

Lab ID#: 0802021B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00025



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-1

Lab ID#: 0802021B-01A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020408	Date of Collection:	1/31/08
Dil. Factor:	1.52	Date of Analysis:	2/4/08 10:43 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00023

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-1 Lab Duplicate

Lab ID#: 0802021B-01AA

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020409	Date of Collection:	1/31/08
Dil. Factor:	1.52	Date of Analysis:	2/4/08 11:17 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00021

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-2

Lab ID#: 0802021B-02A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020410	Date of Collection:	1/31/08
Dil. Factor:	1.58	Date of Analysis:	2/4/08 11:40 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00053

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-3

Lab ID#: 0802021B-03A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020411	Date of Collection:	1/31/08
Dil. Factor:	1.49	Date of Analysis:	2/4/08 12:06 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00039

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-4

Lab ID#: 0802021B-04A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020412	Date of Collection:	1/31/08
Dil. Factor:	1.49	Date of Analysis:	2/4/08 12:27 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00049

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:AT-5

Lab ID#: 0802021B-05A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020413	Date of Collection:	1/31/08
Dil. Factor:	1.46	Date of Analysis:	2/4/08 12:48 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	0.00025

Container Type: 6 Liter Summa Canister



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802021B-06A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/4/08 01:39 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802021B-07A

NATURAL GAS ANALYSIS BY MOD ASTM D-1945 GC/FID

File Name:	9020421	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/4/08 05:43 PM

Compound	%Recovery
Methane	101

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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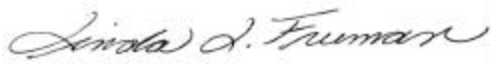
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0802020B

Work Order Summary

CLIENT:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590	BILL TO:	Mr. Brian Aerne RTP Environmental Associates 400 Post Avenue Westbury, NY 11590
PHONE:	516-333-4526	P.O. #	
FAX:	516-333-4571	PROJECT #	Albany Landfill
DATE RECEIVED:	02/01/2008	CONTACT:	Bryanna Langley
DATE COMPLETED:	02/15/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	ALB4:ALD-1	Modified TO-11A
01AA	ALB4:ALD-1 Lab Duplicate	Modified TO-11A
02A	ALB4:ALD-2	Modified TO-11A
03A	ALB4:ALD-TB	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A

CERTIFIED BY:  DATE: 02/15/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
Modified TO-11A
RTP Environmental Associates
Workorder# 0802020B**

Three TO-11 Cartridge samples were received on February 01, 2008. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-11A</i>	<i>ATL Modifications</i>
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD ≤ 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

Client Sample ID: ALB4:ALD-1

Lab ID#: 0802020B-01A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.26
Acetaldehyde	0.10	0.29
Acetone	0.25	0.82

Client Sample ID: ALB4:ALD-1 Lab Duplicate

Lab ID#: 0802020B-01AA

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.27
Acetaldehyde	0.10	0.26
Acetone	0.25	0.86

Client Sample ID: ALB4:ALD-2

Lab ID#: 0802020B-02A

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.31
Acetaldehyde	0.10	0.31
Acetone	0.25	3.9

Client Sample ID: ALB4:ALD-TB

Lab ID#: 0802020B-03A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:ALD-1

Lab ID#: 0802020B-01A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205015	Date of Collection: 1/31/08
Dil. Factor:	1.00	Date of Analysis: 2/5/08 02:40 PM
		Date of Extraction: 2/5/08

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.26
Acetaldehyde	0.10	0.29
Propanal	0.25	Not Detected
Acetone	0.25	0.82
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:ALD-1 Lab Duplicate

Lab ID#: 0802020B-01AA

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205016	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/5/08 03:01 PM
		Date of Extraction:	2/5/08

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.27
Acetaldehyde	0.10	0.26
Propanal	0.25	Not Detected
Acetone	0.25	0.86
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:ALD-2

Lab ID#: 0802020B-02A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205017	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/5/08 03:21 PM
		Date of Extraction:	2/5/08

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	0.31
Acetaldehyde	0.10	0.31
Propanal	0.25	Not Detected
Acetone	0.25	3.9
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: ALB4:ALD-TB

Lab ID#: 0802020B-03A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205018	Date of Collection:	1/31/08
Dil. Factor:	1.00	Date of Analysis:	2/5/08 03:42 PM
		Date of Extraction:	2/5/08

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: TO-11 Cartridge



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802020B-04A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205007	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/5/08 11:29 AM
		Date of Extraction:	2/5/08

Compound	Rpt. Limit (ug)	Amount (ug)
Formaldehyde	0.050	Not Detected
Acetaldehyde	0.10	Not Detected
Propanal	0.25	Not Detected
Acetone	0.25	Not Detected
Crotonaldehyde	0.25	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	Not Detected
Benzaldehyde	0.25	Not Detected
Isopentanal	0.25	Not Detected
Pentanal	0.25	Not Detected
o-Tolualdehyde	0.25	Not Detected
m,p-Tolualdehyde	0.25	Not Detected
Hexanal	0.25	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802020B-05A

AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

File Name:	f0205008	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/5/08 11:50 AM
		Date of Extraction: 2/5/08

Compound	%Recovery
Formaldehyde	102
Acetaldehyde	101
Propanal	107
Acetone	109
Crotonaldehyde	104
Methyl Ethyl Ketone/Butyraldehydes	102
Benzaldehyde	101
Isopentanal	99
Pentanal	101
o-Tolualdehyde	95
m,p-Tolualdehyde	102
Hexanal	102

Container Type: NA - Not Applicable