
Air
Toxics LTD.
Laboratory Services Since 1989
Electronic Comprehensive Validation Package (eCVP)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0801138

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	1/28/08
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0801138

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1Southern Cell Air Monitoring
DATE RECEIVED:	01/11/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	01/23/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	DWAMS3	Modified TO-15	18.0 "Hg	5 psi
02A	UWAMS5	Modified TO-15	10.0 "Hg	5 psi
02AA	UWAMS5 Lab Duplicate	Modified TO-15	10.0 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 01/24/08

Laboratory Director

Certfication 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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0801138

One 6 Liter Summa Canister (100% Certified) and one 6 Liter Summa Canister samples were received on January 11, 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.

Requirement	***TO-15***	***ATL Modifications***
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

Sample DWAMS3 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

There were no analytical discrepancies.

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
DWAMS3	0801138-01A	1/ 9/2008	1/11/2008	NA	7	1/16/2008	NA	Good
UWAMS5	0801138-02A	1/ 9/2008	1/11/2008	NA	7	1/16/2008	NA	Good
UWAMS5 Lab Duplicate	0801138-02AA	1/ 9/2008	1/11/2008	NA	7	1/16/2008	NA	Good
Lab Blank	0801138-03A	NA	NA	NA	NA	1/15/2008	NA	Good
CCV	0801138-04A	NA	NA	NA	NA	1/15/2008	NA	Good
LCS	0801138-05A	NA	NA	NA	NA	1/15/2008	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DWAMS3

Lab ID#: 0801138-01A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS3

Lab ID#: 0801138-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011523**	**Date of Collection: 1/9/08**	
Dil. Factor:	**3.35**	**Date of Analysis: 1/16/08 12:31 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.7	Not Detected	8.3	Not Detected
Freon 114	1.7	Not Detected	12	Not Detected
Vinyl Chloride	1.7	Not Detected	4.3	Not Detected
Bromomethane	1.7	Not Detected	6.5	Not Detected
Chloroethane	1.7	Not Detected	4.4	Not Detected
Freon 11	1.7	Not Detected	9.4	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Freon 113	1.7	Not Detected	13	Not Detected
Methylene Chloride	1.7	Not Detected	5.8	Not Detected
1,1-Dichloroethane	1.7	Not Detected	6.8	Not Detected
cis-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Chloroform	1.7	Not Detected	8.2	Not Detected
1,1,1-Trichloroethane	1.7	Not Detected	9.1	Not Detected
Carbon Tetrachloride	1.7	Not Detected	10	Not Detected
Benzene	1.7	Not Detected	5.4	Not Detected
1,2-Dichloroethane	1.7	Not Detected	6.8	Not Detected
Trichloroethene	1.7	Not Detected	9.0	Not Detected
1,2-Dichloropropane	1.7	Not Detected	7.7	Not Detected
cis-1,3-Dichloropropene	1.7	Not Detected	7.6	Not Detected
Toluene	1.7	Not Detected	6.3	Not Detected
trans-1,3-Dichloropropene	1.7	Not Detected	7.6	Not Detected
1,1,2-Trichloroethane	1.7	Not Detected	9.1	Not Detected
Tetrachloroethene	1.7	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.7	Not Detected	13	Not Detected
Chlorobenzene	1.7	Not Detected	7.7	Not Detected
Ethyl Benzene	1.7	Not Detected	7.3	Not Detected
m,p-Xylene	1.7	Not Detected	7.3	Not Detected
o-Xylene	1.7	Not Detected	7.3	Not Detected
Styrene	1.7	Not Detected	7.1	Not Detected
1,1,2,2-Tetrachloroethane	1.7	Not Detected	11	Not Detected
1,3,5-Trimethylbenzene	1.7	Not Detected	8.2	Not Detected
1,2,4-Trimethylbenzene	1.7	Not Detected	8.2	Not Detected
1,3-Dichlorobenzene	1.7	Not Detected	10	Not Detected
1,4-Dichlorobenzene	1.7	Not Detected	10	Not Detected
alpha-Chlorotoluene	1.7	Not Detected	8.7	Not Detected
1,2-Dichlorobenzene	1.7	Not Detected	10	Not Detected
1,3-Butadiene	1.7	Not Detected	3.7	Not Detected
Hexane	1.7	Not Detected	5.9	Not Detected
Cyclohexane	1.7	Not Detected	5.8	Not Detected

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS3

Lab ID#: 0801138-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011523**	**Date of Collection: 1/9/08**	
Dil. Factor:	**3.35**	**Date of Analysis: 1/16/08 12:31 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.7	Not Detected	6.9	Not Detected
Bromodichloromethane	1.7	Not Detected	11	Not Detected
Dibromochloromethane	1.7	Not Detected	14	Not Detected
Cumene	1.7	Not Detected	8.2	Not Detected
Propylbenzene	1.7	Not Detected	8.2	Not Detected
Chloromethane	6.7	Not Detected	14	Not Detected
1,2,4-Trichlorobenzene	6.7	Not Detected	50	Not Detected
Hexachlorobutadiene	6.7	Not Detected	71	Not Detected
Acetone	6.7	Not Detected	16	Not Detected
Carbon Disulfide	1.7	Not Detected	5.2	Not Detected
2-Propanol	6.7	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.7	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.7	Not Detected	4.9	Not Detected
1,4-Dioxane	6.7	Not Detected	24	Not Detected
4-Methyl-2-pentanone	1.7	Not Detected	6.9	Not Detected
2-Hexanone	6.7	Not Detected	27	Not Detected
Bromoform	1.7	Not Detected	17	Not Detected
4-Ethyltoluene	1.7	Not Detected	8.2	Not Detected
Ethanol	6.7	Not Detected	13	Not Detected
Methyl tert-butyl ether	1.7	Not Detected	6.0	Not Detected
3-Chloropropene	6.7	Not Detected	21	Not Detected
2,2,4-Trimethylpentane	1.7	Not Detected	7.8	Not Detected
Naphthalene	6.7	Not Detected	35	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011523.d
Lab Smp Id: 0801138-01A
Inj Date : 16-JAN-2008 00:31
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #939
Misc Info : 18.0"Hg-5psi
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 12:25 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1
Dil Factor: 3.35000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.865 (1.000)	130	337315	25.0000		80.00- 120.00	100.00
13.886	13.865 (1.000)	128	270063			27.67- 127.67	80.06
13.858	13.865 (1.000)	49	381219			129.24- 229.24	113.02
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.635 (1.000)	114	1325605	25.0000		80.00- 120.00	100.00
15.628	15.635 (1.000)	88	216763			0.00- 66.05	16.35
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.805 (1.000)	117	1358933	25.0000		80.00- 120.00	100.00
20.798	20.805 (1.000)	82	756417			5.77- 105.77	55.66
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.943 (1.076)	65	552768	25.7382	25.738	80.00- 120.00	100.00
14.936	14.943 (1.076)	67	270013			3.93- 103.93	48.85
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.206 (1.165)	98	1385770	27.5578	27.558	80.00- 120.00	100.00
18.199	18.206 (1.165)	70	155770			0.00- 61.06	11.24

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.206 (1.165)	100	941333			18.52- 118.52	67.93
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.796 (1.096)	174	892621	23.9492	23.949	80.00- 120.00	100.00
22.789	22.796 (1.096)	95	1072357			72.30- 172.30	120.14
22.789	22.796 (1.096)	176	868224			46.85- 146.85	97.27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011523.d
Lab Smp Id: 0801138-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 18.0"Hg-5psi

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	337315	7.15
97 1,4-Difluorobenze	1206212	723727	1688697	1325605	9.90
126 Chlorobenzene-d5	1175335	705201	1645469	1358933	15.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.89	0.15
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	-0.04
126 Chlorobenzene-d5	20.81	20.48	21.14	20.80	-0.03

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 23-Jan-2008 10:33

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Jan2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0801138-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 18.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.738	102.95	70-130
$ 113 Toluene-d8	25.000	27.558	110.23	70-130
$ 137 Bromofluorobenzene	25.000	23.949	95.80	70-130

Data File: /chem/msdt.i/15Jan2008.b/t011523.d

Page 1

Date : 16-JAN-2008 00:31

Client ID:

Instrument: msdt.i

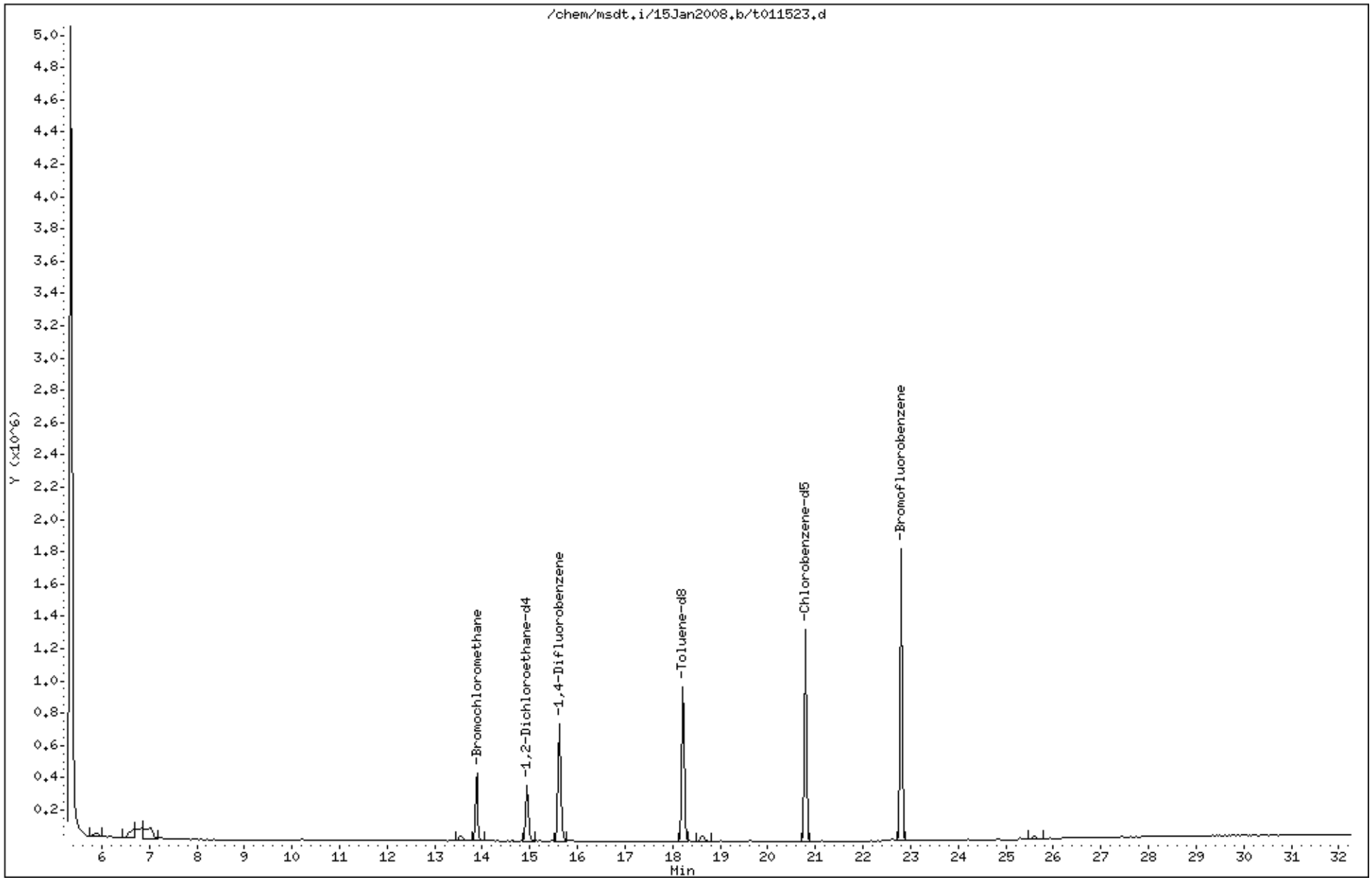
Sample Info: 200mL #939

Operator: ab

Column phase: RTx-624

Column diameter: 0.53

0013



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UWAMS5

Lab ID#: 0801138-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.0	8.6	9.5	20
2-Butanone (Methyl Ethyl Ketone)	1.0	1.1	3.0	3.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS5

Lab ID#: 0801138-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011524**	**Date of Collection: 1/9/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 1/16/08 01:09 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
Methylene Chloride	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS5

Lab ID#: 0801138-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011524**	**Date of Collection: 1/9/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 1/16/08 01:09 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.0	Not Detected	4.1	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
Chloromethane	4.0	Not Detected	8.3	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
Acetone	4.0	8.6	9.5	20
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
2-Propanol	4.0	Not Detected	9.9	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	1.1	3.0	3.3
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
Ethanol	4.0	Not Detected	7.6	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.7	Not Detected
Naphthalene	4.0	Not Detected	21	Not Detected

Container Type: 6 Liter Summa Canister

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011524.d
Lab Smp Id: 0801138-02A
Inj Date : 16-JAN-2008 01:09
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #34732
Misc Info : 10.0"Hg-5psi
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 12:25 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1
Dil Factor: 2.01000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.865 (1.000)	130	266882	25.0000		80.00- 120.00	100.00
13.886	13.865 (1.000)	128	206491			27.67- 127.67	77.37
13.886	13.865 (1.000)	49	299086			129.24- 229.24	112.07
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.635 (1.000)	114	1076120	25.0000		80.00- 120.00	100.00
15.628	15.635 (1.000)	88	171356			0.00- 66.05	15.92
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.805 (1.000)	117	1104173	25.0000		80.00- 120.00	100.00
20.798	20.805 (1.000)	82	628153			5.77- 105.77	56.89
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.943 (1.076)	65	471275	27.7349	27.735	80.00- 120.00	100.00
14.937	14.943 (1.076)	67	228314			3.93- 103.93	48.45
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.206 (1.166)	98	1137485	27.8645	27.864	80.00- 120.00	100.00
18.199	18.206 (1.165)	70	125093			0.00- 61.06	11.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.206 (1.166)	100	777093			18.52- 118.52	68.32
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.796 (1.096)	174	725265	23.9487	23.949	80.00- 120.00	100.00
22.789	22.796 (1.096)	95	903714			72.30- 172.30	124.60
22.789	22.796 (1.096)	176	710962			46.85- 146.85	98.03
45 Acetone					CAS #: 67-64-1		
10.236	10.188 (0.737)	58	27504	4.29764	8.638	80.00- 120.00	100.00
10.236	10.188 (0.737)	43	88216			264.94- 364.94	320.73
75 2-Butanone					CAS #: 78-93-3		
13.416	13.395 (0.966)	72	4082	0.55985	1.125	80.00- 120.00	100.00(H)
13.416	13.395 (0.966)	43	20816			310.00- 410.00	509.86
13.084	13.395 (0.942)	57	2843			0.00- 78.78	69.65

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011524.d
Lab Smp Id: 0801138-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 10.0"Hg-5psi

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	266882	-15.22
97 1,4-Difluorobenze	1206212	723727	1688697	1076120	-10.79
126 Chlorobenzene-d5	1175335	705201	1645469	1104173	-6.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.89	0.15
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	-0.04
126 Chlorobenzene-d5	20.81	20.48	21.14	20.80	-0.03

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 24-Jan-2008 16:06

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Jan2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0801138-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 10.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	27.735	110.94	70-130
$ 113 Toluene-d8	25.000	27.864	111.46	70-130
$ 137 Bromofluorobenzene	25.000	23.949	95.79	70-130

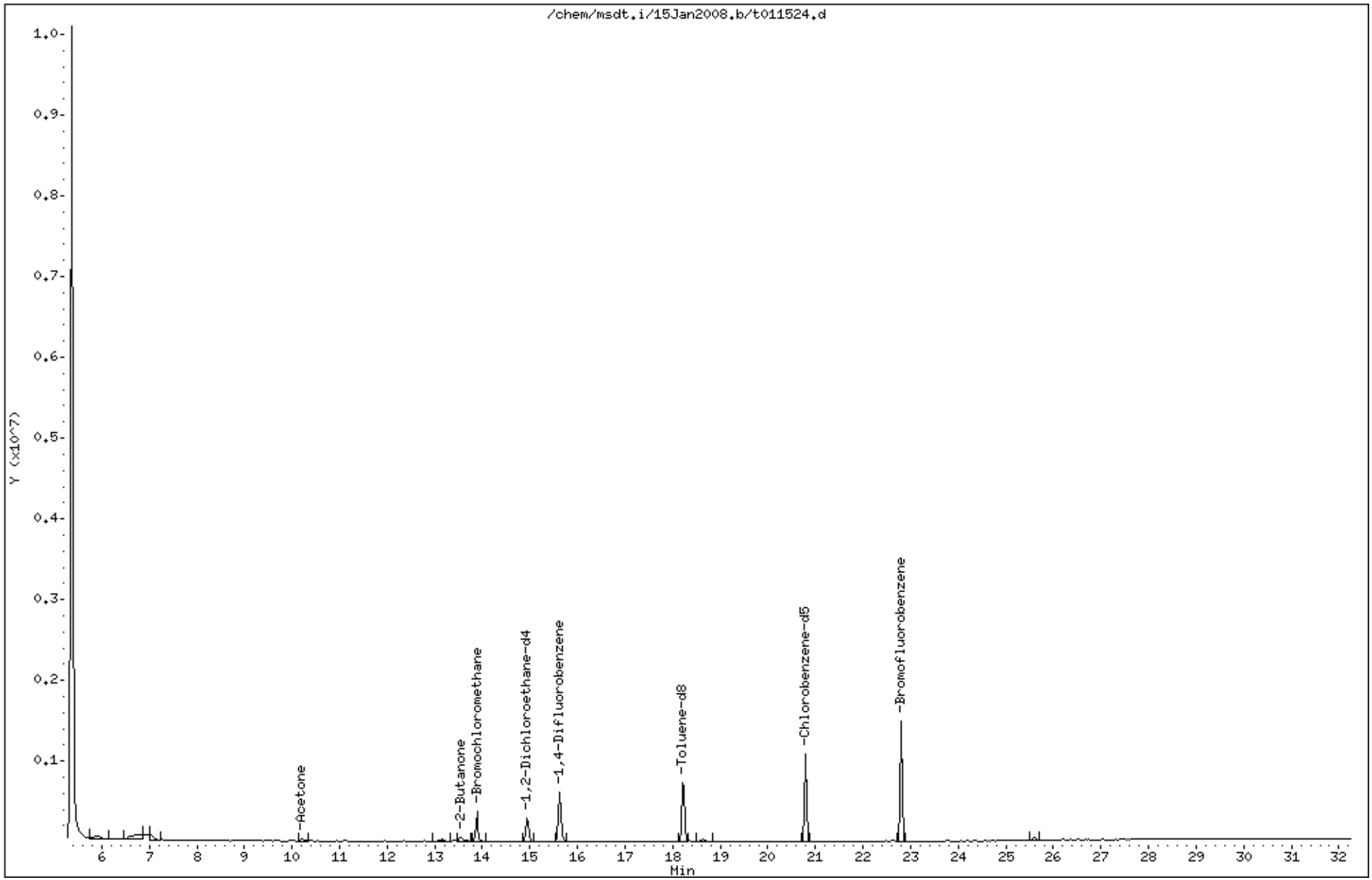
0021

Data File: /chem/msdt.i/15Jan2008.b/t011524.d
Date : 16-JAN-2008 01:09
Client ID:
Sample Info: 200mL #34732

Instrument: msdt.i

Operator: ab

Column phase: RTx-624
Column diameter: 0.53



Data File: /chem/msdt.i/15Jan2008.b/t011524.d

Date : 16-JAN-2008 01:09

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34732

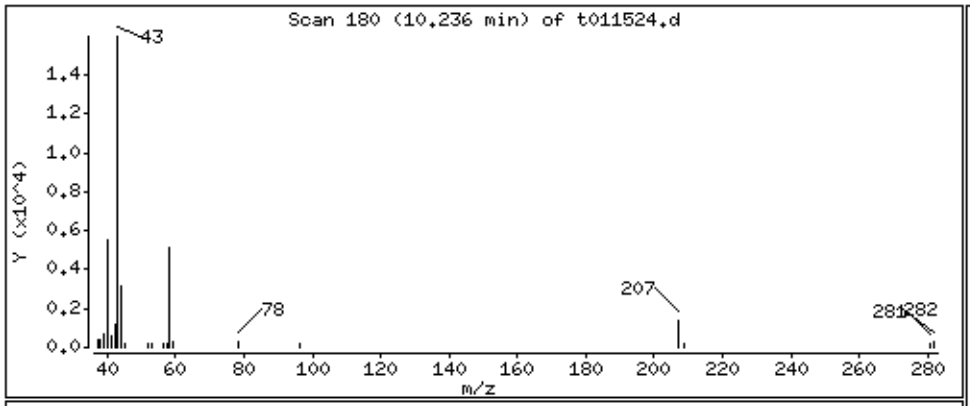
Operator: ab

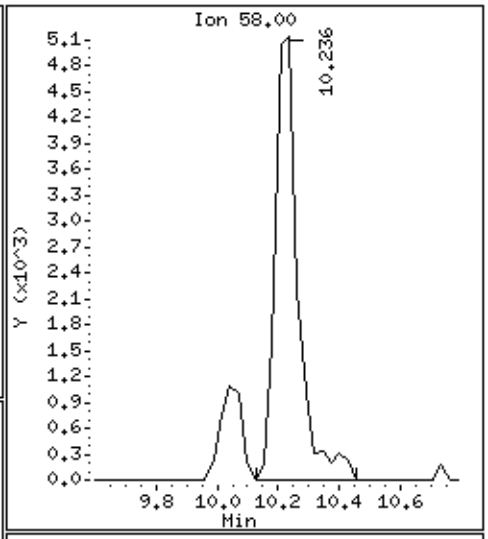
Column phase: RTx-624

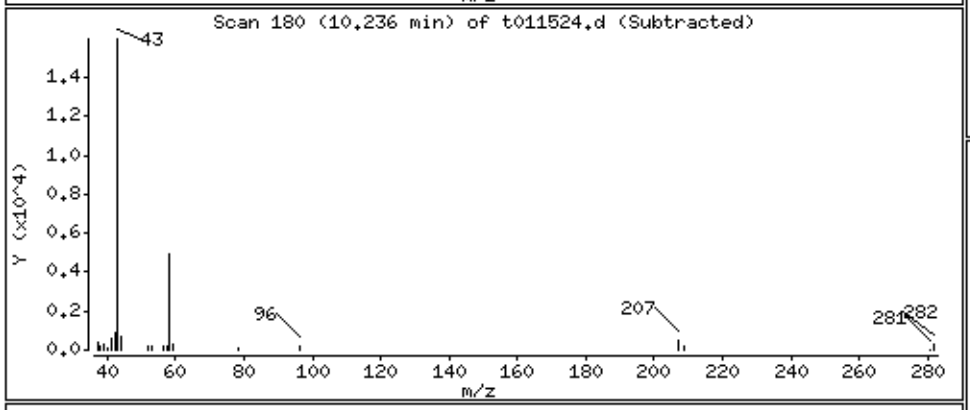
Column diameter: 0.53

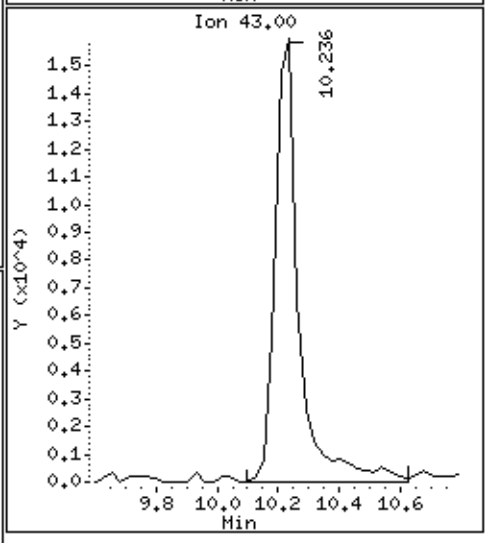
45 Acetone

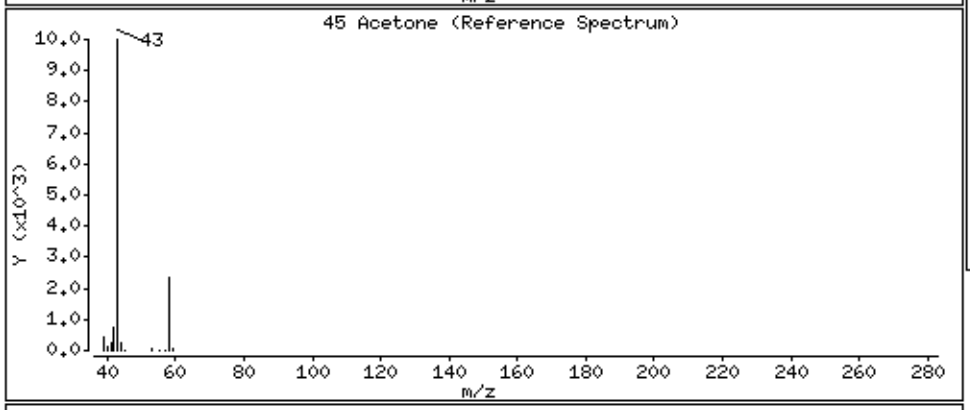
Concentration: 8.638 PPBV

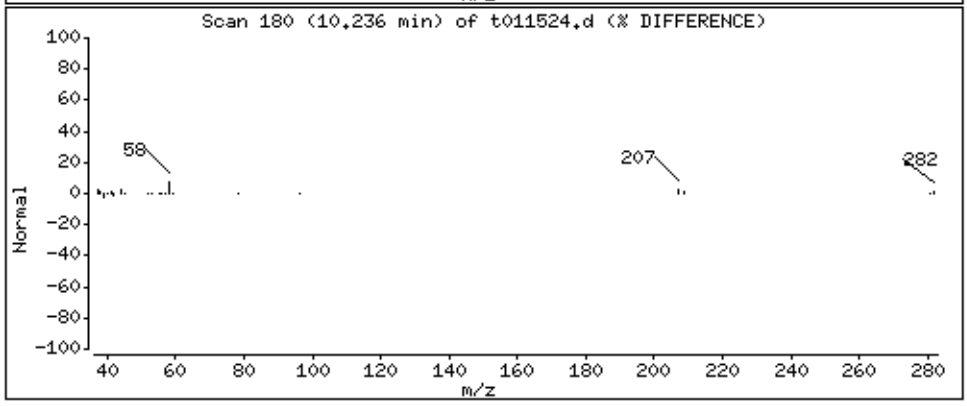












Data File: /chem/msdt.i/15Jan2008.b/t011524.d

Date : 16-JAN-2008 01:09

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34732

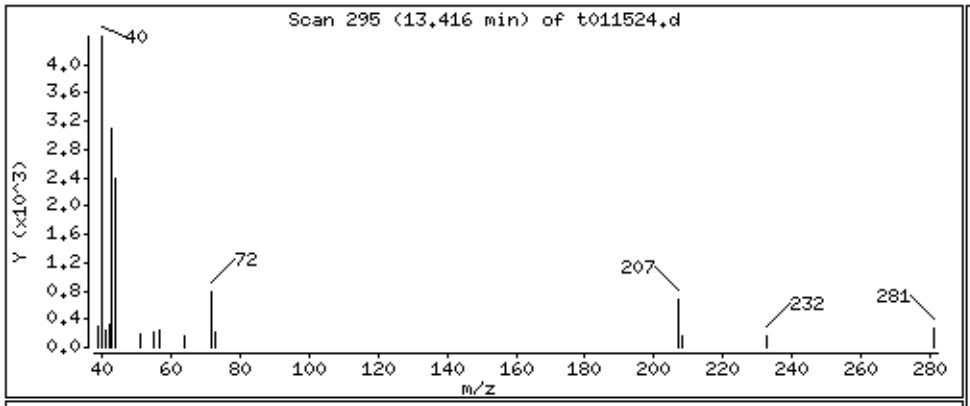
Operator: ab

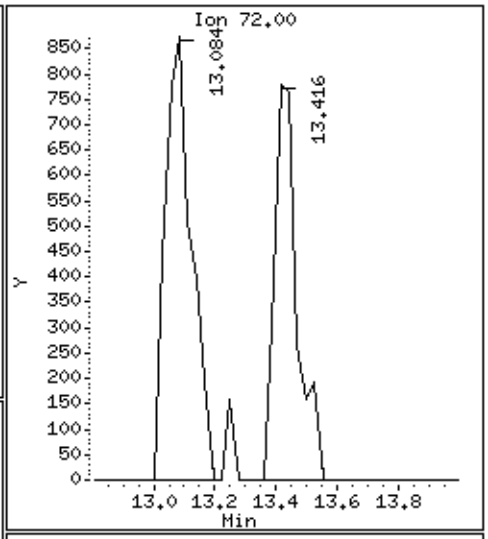
Column phase: RTx-624

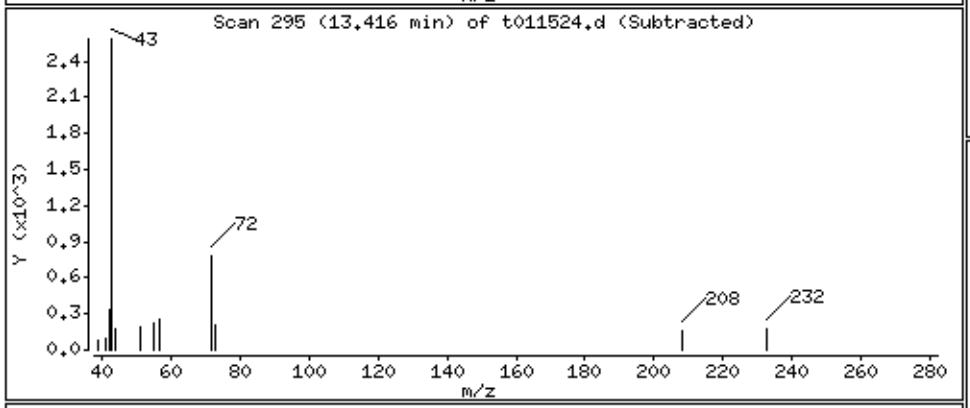
Column diameter: 0.53

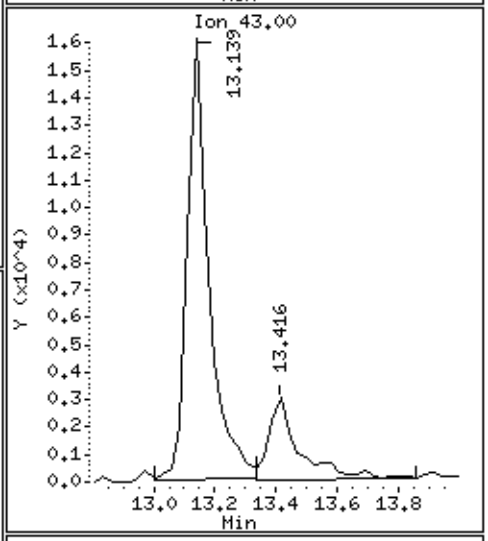
75 2-Butanone

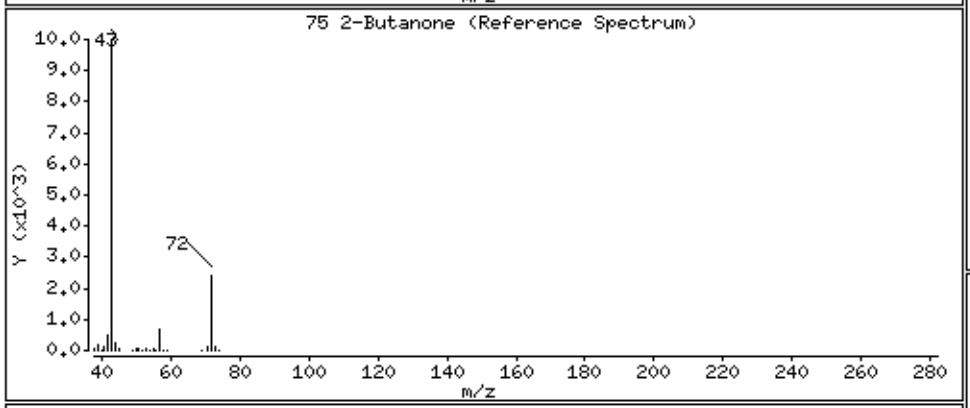
Concentration: 1.125 PPBV

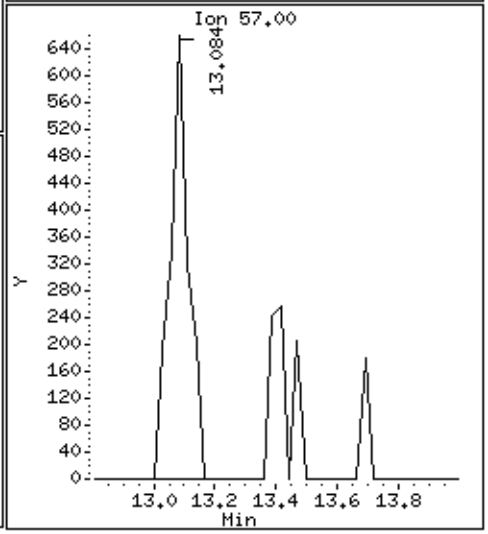


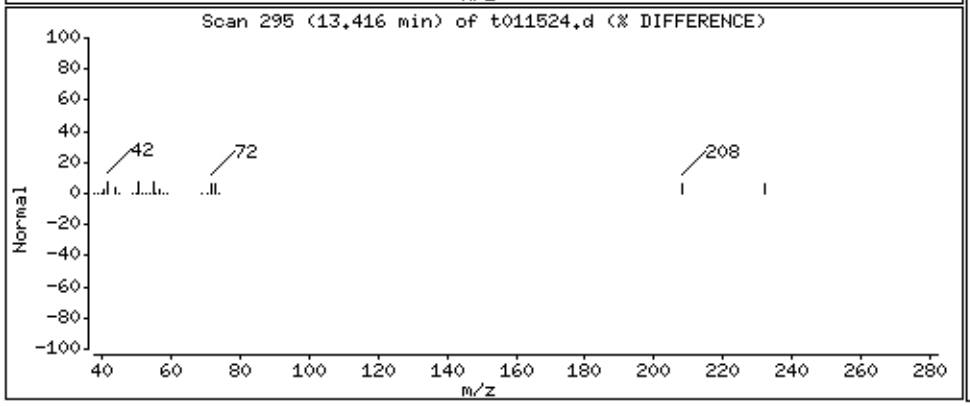












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UWAMS5 Lab Duplicate

Lab ID#: 0801138-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.0	6.7	9.5	16

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS5 Lab Duplicate

Lab ID#: 0801138-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011525**	**Date of Collection: 1/9/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 1/16/08 02:23 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
Methylene Chloride	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS5 Lab Duplicate

Lab ID#: 0801138-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011525**	**Date of Collection: 1/9/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 1/16/08 02:23 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.0	Not Detected	4.1	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
Chloromethane	4.0	Not Detected	8.3	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
Acetone	4.0	6.7	9.5	16
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
2-Propanol	4.0	Not Detected	9.9	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	Not Detected	3.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
Ethanol	4.0	Not Detected	7.6	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.7	Not Detected
Naphthalene	4.0	Not Detected	21	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	113	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011525.d
Lab Smp Id: 0801138-02AA
Inj Date : 16-JAN-2008 02:23
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #34732
Misc Info : 10.0"Hg-5psi
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 12:25 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1
Dil Factor: 2.01000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.865 (1.000)	130	341977	25.0000		80.00- 120.00	100.00
13.886	13.865 (1.000)	128	266218			27.67- 127.67	77.85
13.886	13.865 (1.000)	49	381327			129.24- 229.24	111.51
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.635 (1.000)	114	1181150	25.0000		80.00- 120.00	100.00
15.628	15.635 (1.000)	88	188377			0.00- 66.05	15.95
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.805 (1.000)	117	1271399	25.0000		80.00- 120.00	100.00
20.798	20.805 (1.000)	82	714522			5.77- 105.77	56.20
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.943 (1.076)	65	519329	23.8516	23.852	80.00- 120.00	100.00
14.936	14.943 (1.076)	67	263684			3.93- 103.93	50.77
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.206 (1.165)	98	1270342	28.3519	28.352	80.00- 120.00	100.00
18.199	18.206 (1.165)	70	142738			0.00- 61.06	11.24

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.206 (1.165)	100	868612			18.52- 118.52	68.38
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.796 (1.096)	174	844684	24.2234	24.223	80.00- 120.00	100.00
22.789	22.796 (1.096)	95	1034592			72.30- 172.30	122.48
22.789	22.796 (1.096)	176	813547			46.85- 146.85	96.31
45 Acetone					CAS #: 67-64-1		
10.208	10.188 (0.735)	58	27343	3.33429	6.702	80.00- 120.00	100.00
10.208	10.188 (0.735)	43	89934			264.94- 364.94	328.90

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011525.d
Lab Smp Id: 0801138-02AA
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 10.0"Hg-5psi

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	341977	8.63
97 1,4-Difluorobenze	1206212	723727	1688697	1181150	-2.08
126 Chlorobenzene-d5	1175335	705201	1645469	1271399	8.17

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.89	0.15
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	-0.04
126 Chlorobenzene-d5	20.81	20.48	21.14	20.80	-0.03

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 23-Jan-2008 10:34

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Jan2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0801138-02AA
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 10.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.852	95.41	70-130
$ 113 Toluene-d8	25.000	28.352	113.41	70-130
$ 137 Bromofluorobenzene	25.000	24.223	96.89	70-130

Data File: /chem/msdt.i/15Jan2008.b/t011525.d

Date : 16-JAN-2008 02:23

Client ID:

Sample Info: 200mL #34732

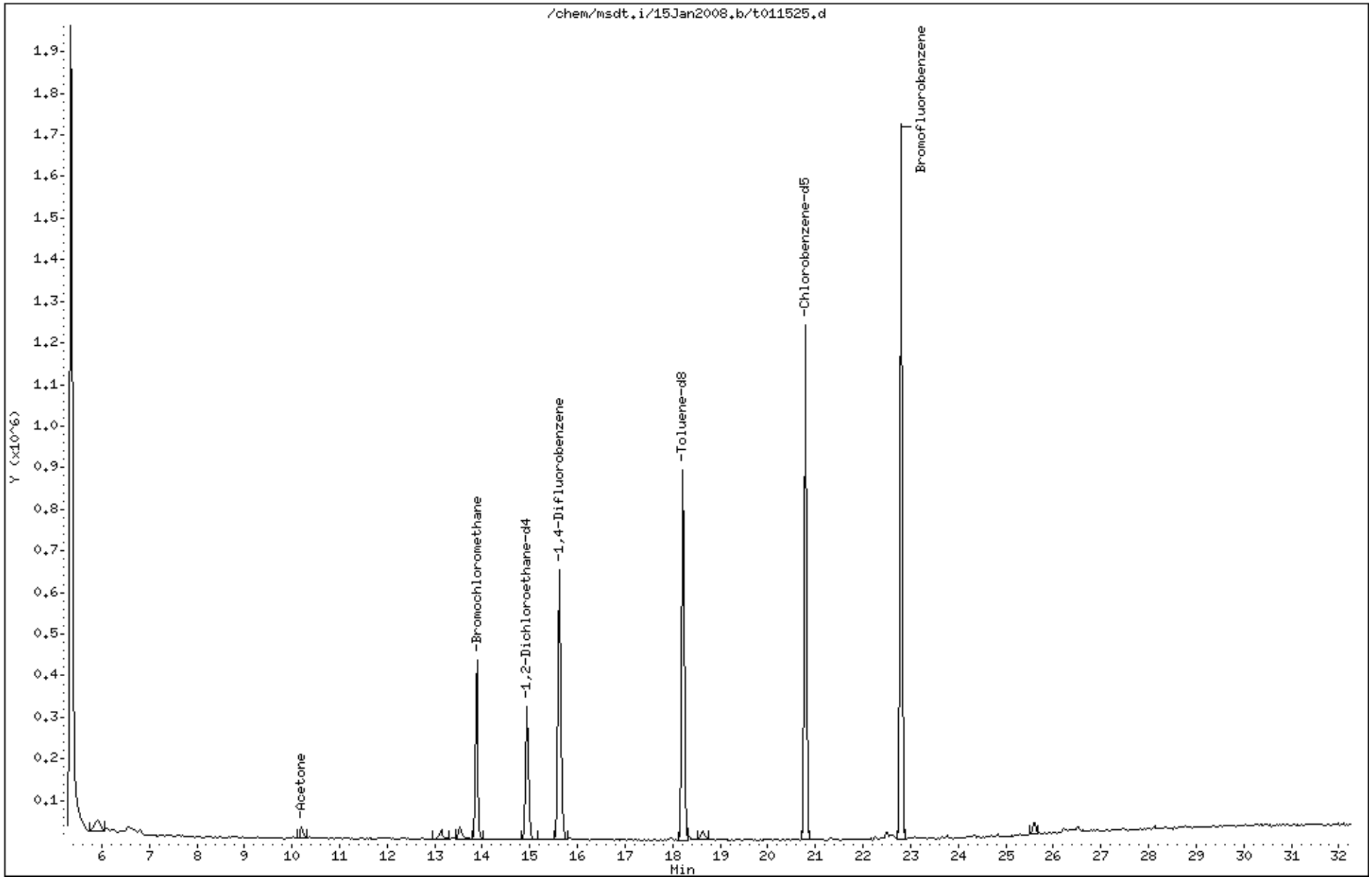
Column phase: RTx-624

Instrument: msdt.i

Operator: ab

Column diameter: 0.53

0031



Data File: /chem/msdt.i/15Jan2008.b/t011525.d

Date : 16-JAN-2008 02:23

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34732

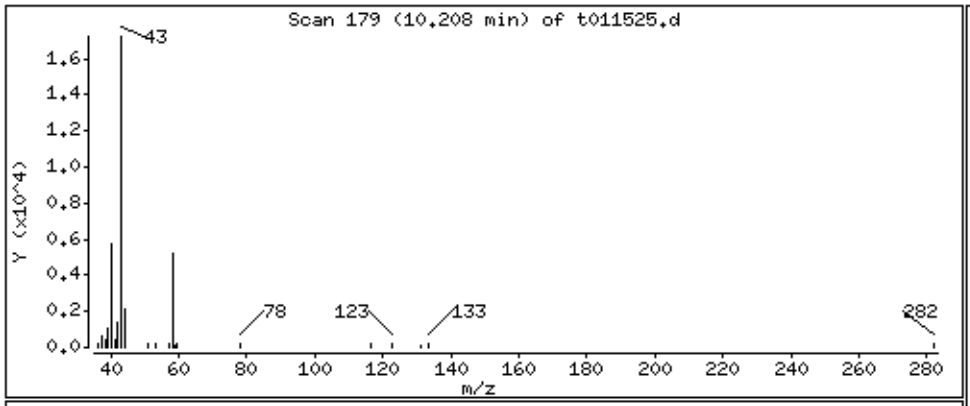
Operator: ab

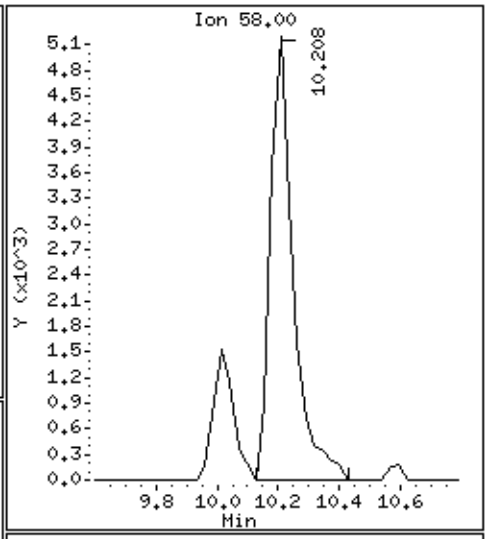
Column phase: RTx-624

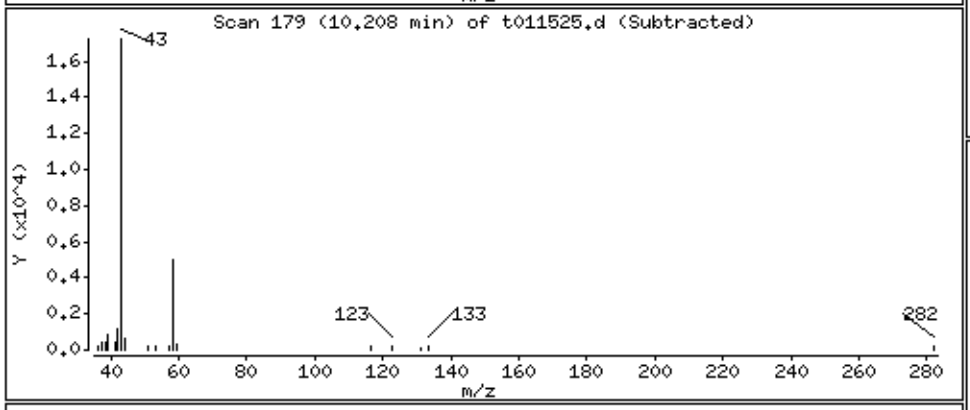
Column diameter: 0.53

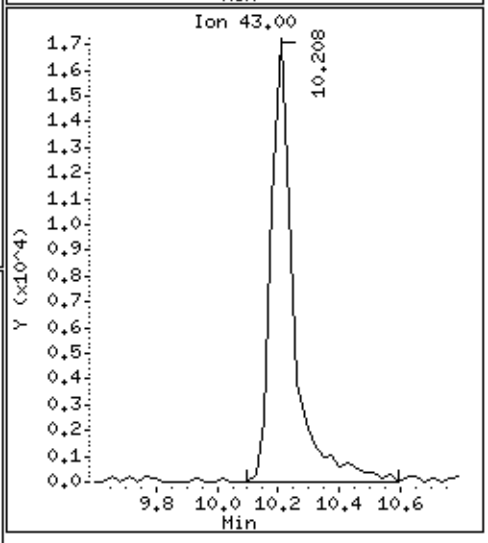
45 Acetone

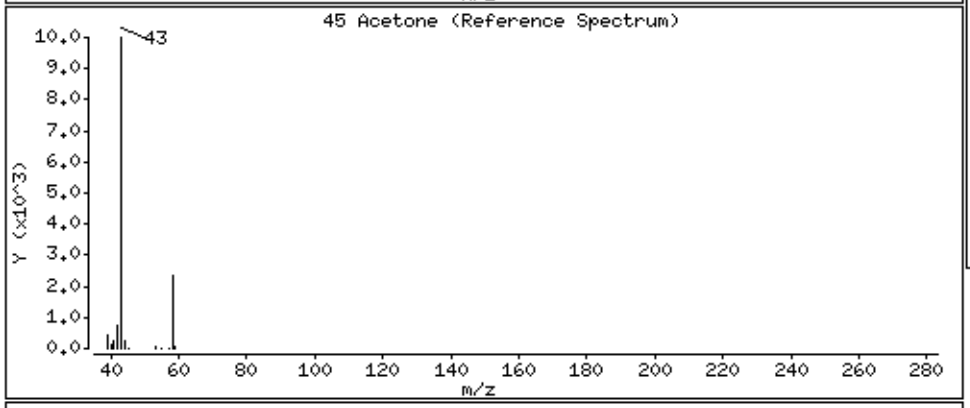
Concentration: 6.702 PPBV

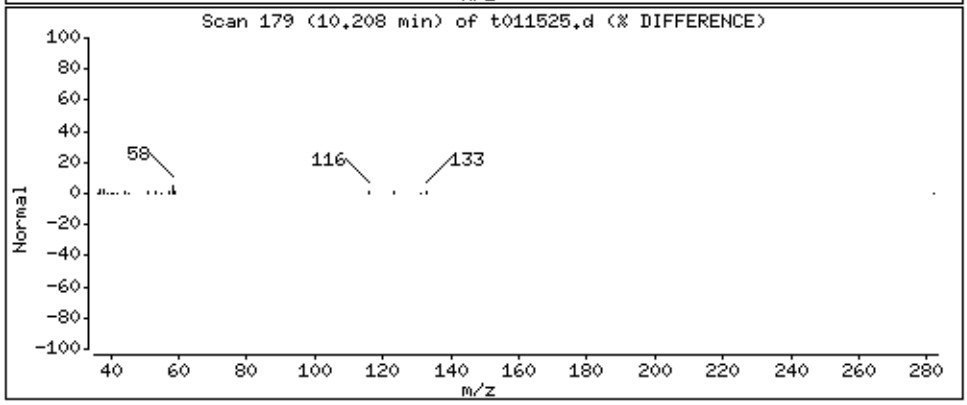












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0801138-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 10:34 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	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
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	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
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0801138-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 10:34 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011504.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 15-JAN-2008 10:34
Operator : lo Inst ID: msdt.i
Smp Info : 200mL #12009
Misc Info : Humid
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 09:19 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.865 (1.000)	130	333634	25.0000		80.00- 120.00	100.00
13.886	13.865 (1.000)	128	259446			27.67- 127.67	77.76
13.886	13.865 (1.000)	49	365845			129.24- 229.24	109.65
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.635 (1.000)	114	1115733	25.0000		80.00- 120.00	100.00
15.628	15.635 (1.000)	88	179439			0.00- 66.05	16.08
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.805 (1.000)	117	1178714	25.0000		80.00- 120.00	100.00
20.798	20.805 (1.000)	82	656101			5.77- 105.77	55.66
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.943 (1.076)	65	508632	23.9444	23.944	80.00- 120.00	100.00
14.936	14.943 (1.076)	67	247322			3.93- 103.93	48.62
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.206 (1.165)	98	1149755	27.1651	27.165	80.00- 120.00	100.00
18.199	18.206 (1.165)	70	127243			0.00- 61.06	11.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.206 (1.165)	100	782104			18.52- 118.52	68.02
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.796 (1.096)	174	807498	24.9779	24.978	80.00- 120.00	100.00
22.789	22.796 (1.096)	95	981434			72.30- 172.30	121.54
22.789	22.796 (1.096)	176	793186			46.85- 146.85	98.23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011504.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: Humid

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	333634	5.98
97 1,4-Difluorobenze	1206212	723727	1688697	1115733	-7.50
126 Chlorobenzene-d5	1175335	705201	1645469	1178714	0.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.89	0.15
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	-0.04
126 Chlorobenzene-d5	20.81	20.48	21.14	20.80	-0.03

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 15-Jan-2008 10:53

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Jan2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: lo
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.944	95.78	70-130
$ 113 Toluene-d8	25.000	27.165	108.66	70-130
$ 137 Bromofluorobenzene	25.000	24.978	99.91	70-130

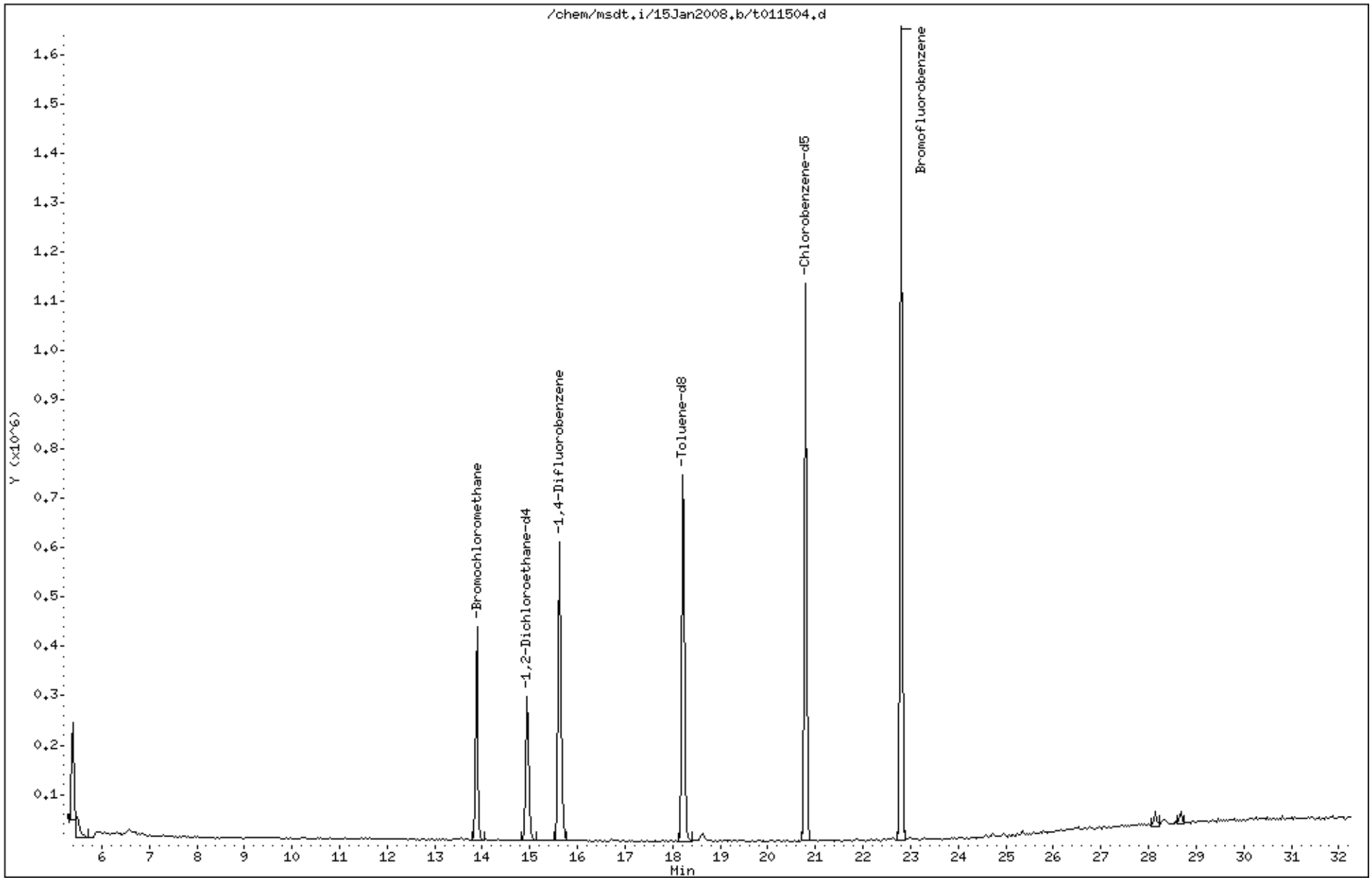
0040

Data File: /chem/msdt.i/15Jan2008.b/t011504.d
Date : 15-JAN-2008 10:34
Client ID: Lab Blank
Sample Info: 200mL #12009

Instrument: msdt.i

Operator: lo
Column diameter: 0.53

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0801138

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	DWAMS3	103		110		96				0
02	UWAMS5	111		111		96				0
03	UWAMS5 Lab Duplicate	95		113		97				0
04	Lab Blank	96		109		100				0
05	CCV	110		104		101				0
06	LCS	104		106		101				0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

1,2-Dichloroethane-d4 70 - 130
Toluene-d8 70 - 130
4-Bromofluorobenzene 70 - 130

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0801138
Lab File ID: t011502.d
Date Analyzed: 01/15/2008
Instrument ID: msdt.i
Time Analyzed: 08:59 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1175335		20.81		1206212		15.63		314795		13.87	
	UPPER LIMIT	1645469		21.14		1688697		15.96		440713		14.20	
	LOWER LIMIT	705201		20.48		723727		15.30		188877		13.54	
	CLIENT SAMPLE NO												
01	DWAMS3	1358933		20.8		1325605		15.63		337315		13.89	
02	UWAMS5	1104173		20.8		1076120		15.63		266882		13.89	
03	UWAMS5 Lab Duplicate	1271399		20.8		1181150		15.63		341977		13.89	
04	Lab Blank	1178714		20.8		1115733		15.63		333634		13.89	
05	CCV	1175335		20.81		1206212		15.63		314795		13.87	
06	LCS	1267970		20.8		1290514		15.63		341015		13.86	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

'Area Upper Limit=+40% of internal standard area'
'Area Lower Limit=-40% of internal standard area'

RT Upper Limit=+0.33 minutes of internal standard RT
RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: t011525.d & t011524.d

Lab Sample ID: 02A & 02AA Dilution: 2.01 & 2.01

Client Sample ID: & Date Analyzed: 1/16/08 & 1/16/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.125		ND	U	-->200<--
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	8.638		6.702		25
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: t011525.d & t011524.d

Lab Sample ID: 02A & 02AA

Dilution: 2.01 & 2.01

Client Sample ID: &

Date Analyzed: 1/16/08 & 1/16/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
142-82-5	Heptane	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
110-54-3	Hexane	ND	U	ND	U	0
108-38-3	m,p-Xylene	ND	U	ND	U	0
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0
75-09-2	Methylene Chloride	ND	U	ND	U	0
91-20-3	Naphthalene	ND	U	ND	U	0
95-47-6	o-Xylene	ND	U	ND	U	0
103-65-1	Propylbenzene	ND	U	ND	U	0
100-42-5	Styrene	ND	U	ND	U	0
127-18-4	Tetrachloroethene	ND	U	ND	U	0
109-99-9	Tetrahydrofuran	ND	U	ND	U	0
108-88-3	Toluene	ND	U	ND	U	0
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0
79-01-6	Trichloroethene	ND	U	ND	U	0
75-01-4	Vinyl Chloride	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/13Dec2007.b/t121310.d
Level 2: /chem/msdt.i/13Dec2007.b/t121319.d
Level 3: /chem/msdt.i/02Jan2008.b/t010202.d
Level 4: /chem/msdt.i/02Jan2008.b/t010203.d
Level 5: /chem/msdt.i/02Jan2008.b/t010204.d
Level 6: /chem/msdt.i/13Dec2007.b/t121315.d
Level 7: /chem/msdt.i/02Jan2008.b/t010205.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
204 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	+++++	3.08653	3.00915	3.53508	+++++	3.29115	3.23048	7.285

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
9 Freon 13	+++++	+++++	3.04829	3.07678	3.13145	+++++		
	3.42476						3.17032	5.460
199 Vinyl Fluoride	+++++	+++++	0.76573	+++++	0.76590	+++++		
	0.47518						0.66894	25.084
13 Freon 134a	+++++	+++++	1.38440	1.32417	1.51576	+++++		
	1.48957						1.42848	6.284
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Propylene	+++++	+++++	0.70578	0.71805	0.65380	0.63314		
	0.62764						0.66768	6.255
15 Freon 152a	+++++	+++++	0.92721	0.66273	0.71513	+++++		
	0.73806						0.76079	15.162
12 Dichlorodifluoromethane/Fr12	+++++	3.97468	4.32102	4.84823	4.47789	4.42973		
	4.22044						4.37866	6.655
17 Freon 22	+++++	+++++	0.39765	0.37366	0.40074	+++++		
	0.39163						0.39092	3.098

Air Toxics Ltd.

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Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 Freon 114	+++++	2.32278	2.53064	3.23968	3.11448	3.06128	2.90616	2.86250	12.582
18 Chloromethane	+++++	+++++	1.01700	0.96604	0.88370	0.94394	0.92490	0.94711	5.217
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Vinyl Chloride	+++++	0.88270	1.14648	1.30894	1.25479	1.28727	1.22751	1.18461	13.367
19 Butane	+++++	+++++	0.20998	0.26199	0.25935	0.24850	0.23330	0.24262	8.845
22 1,3-Butadiene	+++++	0.71853	0.85769	1.03955	1.01395	0.99572	0.92299	0.92474	13.084
26 Methanol	+++++	+++++	0.43916	0.27587	0.28466	+++++	0.29382	0.32338	23.977
25 Bromomethane	+++++	1.01327	1.17226	1.31389	1.29715	1.34974	1.38088	1.25453	11.007
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	200.000 Level 7							
27 Chloroethane	+++++	0.50003	0.53398	0.71944	0.68949	0.69314		
	0.65651						0.63210	14.554
29 Isopentane	+++++	+++++	1.29517	1.45895	1.40134	1.38252		
	1.29308						1.36621	5.239
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.54089	2.34650	2.62565	+++++		
	2.50716						2.50505	4.665
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	3.87754	4.64132	5.56838	5.34096	5.16563		
	4.77418						4.89467	12.393
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 Ethanol	+++++	+++++	0.26632	0.34866	0.35944	0.34902	0.33637	0.33196	11.324
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	1.79398	1.78001	2.15034	+++++	2.02517	1.93737	9.348
41 Freon123	+++++	+++++	2.47248	2.50454	2.91059	+++++	2.75397	2.66040	7.853
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon 113	+++++	1.96268	2.07987	2.35100	2.31070	2.30613	2.20694	2.20289	6.946
43 1,1-Dichloroethene	+++++	1.34194	1.86298	2.15199	2.09288	2.10298	2.03228	1.93084	15.819
45 Acetone	+++++	+++++	0.58549	0.62159	0.63428	0.59638	0.55974	0.59950	4.923
46 2-Propanol	+++++	+++++	1.64554	2.14997	2.16339	2.05269	1.91807	1.98593	10.780
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
47 Carbon Disulfide	+++++	2.81195	3.34684	3.94302	3.91636	4.03685		
	4.03308						3.68135	13.536
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 3-Chloropropene	+++++	+++++	0.51758	0.63344	0.66908	0.67264		
	0.64877						0.62830	10.170
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 Methylene Chloride	+++++	1.26471	1.19310	1.28466	1.23919	1.18576		
	1.14830						1.21929	4.275

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
57 tert-Butyl-Alcohol	+++++	+++++	1.80493	1.95511	2.98361	+++++	2.79397	2.38441	24.775
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 MTBE	+++++	2.86778	3.17953	4.70062	4.68724	4.63328	4.45264	4.08685	20.410
61 trans-1,2-Dichloroethene	+++++	1.16841	1.36846	1.59737	1.60693	1.58666	1.54862	1.47941	11.920
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Hexane	+++++	1.57867	1.69330	2.32975	2.33470	2.28726	2.10047	2.05402	16.401

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
68 Isopropyl ether	+++++	+++++	3.05046	3.11756	3.99770	+++++	4.22863	3.59859	16.735
69 Vinyl Acetate	+++++	+++++	0.20790	0.39420	0.42239	0.41174	0.39644	0.36654	24.398
70 1,1-Dichloroethane	+++++	1.89113	2.33908	2.90168	2.91414	2.81166	2.62404	2.58029	15.534
71 1-Propanol	+++++	+++++	0.22966	0.19476	0.26447	+++++	0.25614	0.23626	13.288
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	3.16677	3.48183	4.44427	+++++	4.62588	3.92969	18.186
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Ethyl Acetate	+++++	+++++	0.37523	0.36665	0.44766	+++++	0.44002	0.40739	10.395

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
75 2-Butanone	+++++	0.45590	0.48939	0.78234	0.81777	0.80248		
	0.75013						0.68300	24.136
76 cis-1,2-Dichloroethene	+++++	1.42102	1.76263	2.03003	2.00229	1.88647		
	1.77053						1.81216	12.248
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
80 Tetrahydrofuran	+++++	0.62943	0.97571	1.29337	1.28127	1.22096		
	1.12970						1.08841	23.310
82 Chloroform	1.93020	2.22348	2.95375	3.71813	3.62342	3.45338		
	3.23218						3.01922	23.070
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
83 1,1,1-Trichloroethane	+++++	2.71849	3.26457	4.14088	3.99320	3.90473		
	3.67211						3.61566	14.808
85 Cyclohexane	+++++	1.15872	1.50949	2.10026	2.12733	2.12851		
	2.04708						1.84523	22.340
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 Carbon Tetrachloride	+++++	2.41406	3.39973	4.11587	3.91507	3.78677		
	3.49842						3.52165	17.133
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
89 2,2,4-Trimethylpentane	+++++	3.37333	4.16527	6.15007	5.92173	5.82002		
	5.44365						5.14568	21.740
91 Benzene	0.79154	0.74919	0.97744	1.11276	1.11446	1.11006		
	1.13183						0.99818	16.470
92 tert-amyl-Methyl Ether	+++++	+++++	2.74382	3.09909	4.09898	+++++		
	4.40041						3.58558	22.035
96 2-Heptanone	+++++	+++++	1.24936	1.55886	2.50284	+++++		
	2.74492						2.01400	35.863
93 1,2-Dichloroethane	+++++	0.38488	0.48190	0.55269	0.54393	0.52114		
	0.50696						0.49858	12.289
94 Heptane	+++++	0.20489	0.26652	0.35522	0.36144	0.35262		
	0.36176						0.31708	20.836
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
98 1-Butanol	+++++	+++++	0.11758	0.13858	0.22474	+++++		
	0.26717						0.18702	37.829
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
101 Trichloroethene	+++++	0.30755	0.42243	0.51510	0.50522	0.50991		
	0.50712						0.46122	17.993
102 Methyl Cyclohexane	+++++	1.53754	1.83216	2.72792	2.68033	2.67359		
	2.58776						2.33988	22.131
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
104 1,2-Dichloropropane	+++++	0.20715	0.30400	0.37024	0.37518	0.36979		
	0.37498						0.33356	20.315
106 1,4-Dioxane	+++++	+++++	0.22203	0.25610	0.27595	0.27947		
	0.28905						0.26452	10.060
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Bromodichloromethane	+++++	0.50534	0.74489	0.89564	0.89167	0.88402		
	0.89199						0.80226	19.543
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	200.000 Level 7								
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
110 cis-1,3-Dichloropropene	+++++	0.30640	0.44286	0.60133	0.61573	0.62097			
	0.63593						0.53720	24.865	
111 4-Methyl-2-pentanone	+++++	0.13796	0.16184	0.27386	0.28990	0.29574			
	0.30723						0.24442	30.435	<-
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
114 Toluene	+++++	0.83239	1.12981	1.30873	1.30346	1.31419			
	1.33584						1.20407	16.359	
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
116 trans-1,3-Dichloropropene	+++++	0.41700	0.58275	0.77519	0.78627	0.74429			
	0.75390						0.67657	21.773	
117 1,1,2-Trichloroethane	+++++	0.28851	0.44339	0.58010	0.56523	0.53027			
	0.53700						0.49075	22.392	
120 Tetrachloroethene	+++++	0.45983	0.65186	0.79375	0.76614	0.71998			
	0.71217						0.68395	17.565	

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
121 2-Hexanone	+++++	+++++	0.20168	0.43260	0.45733	0.45334	0.46385	0.40176	27.992
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Butyl Acetate	+++++	+++++	0.27684	0.28132	0.41784	+++++	0.43295	0.35224	24.052
122 Dibromochloromethane	+++++	0.51738	0.75336	1.02108	1.00364	0.94813	0.93216	0.86263	22.495
123 1,2-Dibromoethane	+++++	0.53395	0.72494	0.94104	0.94272	0.90240	0.90865	0.82562	19.905
127 Chlorobenzene	+++++	0.79354	1.15589	1.34681	1.30993	1.27196	1.27332	1.19191	17.233
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 Ethyl Benzene	+++++	0.37185	0.51078	0.69793	0.69334	0.67176	0.67623	0.60365	22.126
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 m,p-Xylene	+++++	0.35609	0.60513	0.87709	0.87632	0.86382	0.87668	0.74252	29.317

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Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
130 o-Xylene	+++++	0.36187	0.54084	0.82436	0.82113	0.81038	0.82624	0.69747	28.523	
131 Styrene	+++++	0.54597	0.81319	1.33208	1.33982	1.34932	1.40128	1.13028	31.851	<-
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
133 Bromoform	+++++	0.52557	0.75472	1.02838	1.03414	1.02241	1.03034	0.89926	23.733	
134 Cumene	+++++	1.13283	1.63286	2.28786	2.29534	2.26956	2.34324	1.99362	25.051	
135 Cyclohexanone	+++++	+++++	0.28767	0.33246	0.50189	+++++	0.54440	0.41660	30.143	
140 1,1,2,2-Tetrachloroethane	+++++	0.60007	0.98357	1.22729	1.23921	1.23277	1.27586	1.09313	24.111	
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
142 Propylbenzene	+++++	1.54927	2.01199	2.86787	2.86164	2.85800	2.97981	2.52143	23.555	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	200.000 Level 7								
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
145 4-Ethyltoluene	+++++	1.07008	1.67504	2.47369	2.47772	2.47705			
	2.56845						2.12367	28.889	
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
147 1,3,5-Trimethylbenzene	+++++	0.84480	1.39338	2.01760	2.03818	1.99616			
	2.07944						1.72826	29.133	
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
146 Diisobutyl Ketone	+++++	+++++	0.67675	0.81426	1.22647	+++++			
	1.31745						1.00873	30.862	
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
150 1,2,4-Trimethylbenzene	+++++	0.81716	1.16747	1.86021	1.91982	1.90073			
	1.98573						1.60852	30.567	<-
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.77778	1.12187	1.31936	1.35186	1.34638	1.38692	1.21736	19.308
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,4-Dichlorobenzene	+++++	0.85904	1.14176	1.35507	1.40212	1.39375	1.43763	1.26490	17.794
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	+++++	0.93964	1.28514	1.86740	2.06379	2.10823	2.23761	1.75030	29.699
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
161 1,2-Dichlorobenzene	+++++	0.78507	1.01883	1.24430	1.30815	1.30062	1.34713	1.16735	18.925	
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
165 1,2,4-Trichlorobenzene	+++++	+++++	0.51685	0.61758	0.91884	0.93633	1.01397	0.80071	27.357	
166 Hexachlorobutadiene	+++++	+++++	0.58993	0.60351	0.79170	0.81049	0.85857	0.73084	17.094	
167 Naphthalene	+++++	+++++	0.74401	0.94656	1.57407	1.60183	1.73272	1.31984	33.576	<-
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Cal Date : 02-Jan-2008 15:47 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.57449	1.47659	1.55272	1.65486	1.69109	1.59880	1.59354	1.59173	4.367
$ 113 Toluene-d8	0.93064	0.93484	0.94284	0.93991	0.94100	0.96874	0.98055	0.94836	1.975
$ 137 Bromofluorobenzene	0.68044	0.68452	0.69466	0.68353	0.67899	0.67591	0.70167	0.68567	1.344

Calibration History

Method : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Start Cal Date: 13-DEC-2007 21:35
End Cal Date : 02-JAN-2008 12:48

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
13-DEC-2007 21:35	AFCEElow	/chem/msdt.i/13Dec2007.b/t121310.d
Cal Level: 2 , Cal Amount: 0.50000		
14-DEC-2007 09:58	AT04low+ENSR	/chem/msdt.i/13Dec2007.b/t121319.d
Cal Level: 3 , Cal Amount: 2.00000		
02-JAN-2008 10:39	sp22c	/chem/msdt.i/02Jan2008.b/t010202.d
19-DEC-2007 10:31	sp1b	/chem/msdt.i/19Dec2007.b/t121902.d
13-DEC-2007 23:51	AT04mdl+ENSR	/chem/msdt.i/13Dec2007.b/t121312.d
Cal Level: 4 , Cal Amount: 25.00000		
02-JAN-2008 11:18	sp22c	/chem/msdt.i/02Jan2008.b/t010203.d
14-DEC-2007 00:40	AT04mdl+ENSR	/chem/msdt.i/13Dec2007.b/t121313.d
Cal Level: 5 , Cal Amount: 50.00000		
02-JAN-2008 12:02	sp22c	/chem/msdt.i/02Jan2008.b/t010204.d
19-DEC-2007 11:12	sp1b	/chem/msdt.i/19Dec2007.b/t121903.d
14-DEC-2007 01:23	AT04mdl+ENSR	/chem/msdt.i/13Dec2007.b/t121314.d
Cal Level: 6 , Cal Amount: 100.00000		
14-DEC-2007 02:20	AT04mdl+ENSR	/chem/msdt.i/13Dec2007.b/t121315.d
Cal Level: 7 , Cal Amount: 200.00000		
02-JAN-2008 12:48	sp22c	/chem/msdt.i/02Jan2008.b/t010205.d
19-DEC-2007 12:21	sp1b	/chem/msdt.i/19Dec2007.b/t121904.d

14-DEC-2007 03:20	AT04mdl+ENSR	/chem/msdt.i/13Dec2007.b/t121316.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
02-JAN-2008 12:02	sp22c	/chem/msdt.i/02Jan2008.b/t010204.d
Ccal Level: 5 , Ccal Amount: 50.000		
02-JAN-2008 12:02	sp22cCCV	/chem/msdt.i/02Jan2008.b/t010204a.d
Ccal Level: 5 , Ccal Amount: 50.000		
02-JAN-2008 14:10	AT04ENSR	/chem/msdt.i/02Jan2008.b/t010206.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-T on December 13, 2007.

The following compounds used 0.2 ppbv as the lowest calibration concentration:

Chloroform and Benzene.

As noted on the accompanying analytical run log, the following points; 0.2ppbv, 0.5ppbv, and 2.0ppbv, were re-analyzed due to:

a. an incorrect load

As noted on the accompanying analytical run log, the following point, 0.5ppbv, was re-analyzed due to:

a. anomalous unacceptable linearity for various compounds

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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.61
75	30.0 – 60.0% of mass 95	49.10
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.55
173	Less than 2.0% of mass 174	(0.77)[1]
174	Greater than 50.0% of mass 95	71.66
175	5.0 – 9.0% of mass 174	(7.23)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.03)[1]
177	5.0 – 9.0% of mass 176	(6.46)[2]

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

BFB Injection Date: 12/13/07

BFB Injection Time: ~~T121305~~ 1717

BFB File ID: T121305

Tekmar Purge Flow: 22.6 mL/min

Vacuum: 4.24 x 10^-5

IS/S Std.#:	1443-355	Exp. Date: 2/5/08
BCM	280754	
1,4-DFB	1182601	
CB-d5	1033655	

Verified CCV IS vs ICAL mid-point (- 40%D) LS (initials)

Verify 176/174 m/z Ratio: (120640 / 123750) x 100 = 97.021

NOAH Cart #: NA **File #:** NA

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1112825)}{(1182601)} \times \frac{(25.0)}{(0.94836)} = 24.806$

File ID:	T121314a
Compound:	Tol-d8
Initials:	SMK

Reported Result 24.806

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T121305	BFB Tune Check	1467464	50 psig	2.0 µl	1.00	12/13/07	1717	SMK	
2	✓	06	System Blank	12009	Humid	200 ml	1.00		1743	SMK	
3	X	07	ICAL Level 1	1443-378	0.2 ppbv	0.2 ml	1.00		1859	SMK	Bad Load
4	X	08	" 2	"	0.5 ppbv	0.5 ml	"		1950	SMK	"
5	X	09	" 3	"	2.0 ppbv	2.0 ml	"		2046	SMK	"
6	✓	10	ICAL Level 1	1443-378	0.2 ppbv	0.2 ml	1.00		2135	SMK	t14g1213a
7	X	11	" 2	"	0.5 ppbv	0.5 ml	1.00		2221	SMK	
8	✓	12	" 3	"	2.0 ppbv	2.0 ml	1.00	"	2351	SMK	
9	✓	13	" 4	"	25 ppbv	25 ml	1.00	12/14/07	0040	SMK	

Laura Overmyer
Signature

12/14/07
Date

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MSD-T

Logbook #: 1599

7900

10	✓	T121314	TCAL Level 5	1443-378	50ppbv	50mL	1.00	12/14/07	0123	SJR		
11	✓	15	6		100ppbv	100mL	1.00		0220	SJR		
12	✓	16	7		200ppbv	200mL	1.00		0320	SJR		
13	✓	17	System Blank	12009	Humid	200mL	1.00		0409	SJR		
14	✓	18	1	1	1	1			0852	SJR/SJR		
15	✓	19	TCAL Level 2	1443-378	0.5ppbv	0.5mL			0958	SJR		
16	✓	20	LCS-1 (200ppbv)	1576-168	50ppbv	50mL			1117	SJR	TCAL LCS (1 out)	
17	✓	21	LCSd-1	1	1	1			1211	SJR	0 out	
18	✓	22	Lab Blank	~~1576~~ 12/13/07	Humid	200mL	1.00		1322	SJR	Can#t 12009	
19	✓	23	07121165A-11A	3300	6"Hg-5psi	200mL	1.68		1521	SJR		
20	✓	24	-12A	3350	4"Hg-5psi	1	1.55		1620	SJR		
21												
22												
23												
24												
25												
26												
27												
28												
29												
30											SJR 12/14/07	
31												
32												

Comments: Flow Controller # AA98125220

Flow Meter # 200-7744 Exp 8/27/08

Actual	~~Nominal~~	Nominal
25 ml/min	~~22 ml/min~~ 12/13/07	22.4 ml/min

Signature

12/13/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599 0068

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.13
75	30.0 – 60.0% of mass 95	57.50
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.51
173	Less than 2.0% of mass 174	(0.90)[1]
174	Greater than 50.0% of mass 95	67.22
175	5.0 – 9.0% of mass 174	(7.36)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.57)[1]
177	5.0 – 9.0% of mass 176	(6.54)[2]

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

BFB Injection Date: 12/19/07
BFB Injection Time: 0936
BFB File ID: t121901
Tekmar Purge Flow: —
Vacuum: — SJM 12/19/07

IS/S Std.#: 1443-355	Exp. Date: 2/5/08
BCM	226250
1,4-DFB	954801
CB-d5	877836

Verified CCV IS vs ICAL mid-point (- 40%D) SJM initials

Verify 176/174 m/z Ratio: 682346/706602 x 100 = 96.57

NOAH Cart #: N/A **File #:** N/A

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(939704)}{(954801)} \times \frac{(25.0)}{(0.94836)} = 25.944$

File ID: t121906
Compound: Tol-d8
Initials: SJM

Reported Result 25.944 ppbv

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	t121901	BFB Tune Check	1467264	50ng	2uL	1.00	12/19/07	0936	SJM	
2	✓	02	ICAL Level 3	1443-388	2.0ppbv	2.0mL	↓	↓	1031	SJM	t14q12136
3	✓	03	5	↓	50ppbv	50mL			1112	SJM	sp16
4	✓	04	7	↓	200ppbv	200mL			1221	SJM	
5	X	05	CCV-1 (200ppbv)	1443-378	50ppbv	50mL			1321	SJM	
6	✓	06	CCV-1	↓					1431	SJM	
7	✓	07	LCS-1	1576-168	↓	↓			1532	SJM	Short list only
8	✓	08	Lab blank	2009	Humid	200mL	↓		16:32	[illegible]	No BTEX ↓
9	✓	09	0712264 - CIA Vufont	34465	4.5"Hg → 5psi	200mL	1.58	↓	17:23	[illegible]	

Signature: Brandon M Dunmore

Date: 12/19/07

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MSD-T

Logbook #: 1599

6900

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.05
75	30.0 – 60.0% of mass 95	52.29
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.53
173	Less than 2.0% of mass 174	(0.84)[1]
174	Greater than 50.0% of mass 95	73.21
175	5.0 – 9.0% of mass 174	(7.30)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.95)[1]
177	5.0 – 9.0% of mass 176	(6.42)[2]

BFB Injection Date: 1/2/08
BFB Injection Time: 0834
BFB File ID: t010201
Tekmar Purge Flow: 22.7 mL/min
Vacuum: 4.28e-5

IS/S Std.#: 1443-398	Exp. Date: 3/08/08
BCM	360824
1,4-DFB	1320902
CB-d5	1313800

Verified CCV IS vs ICAL mid-point (- 40%D) SJM (Initials)

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

Verify 176/174 m/z Ratio: 1192769/1243078 x 100 = 95.95 **NOAH Cart #:** NA **File #:** NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1393281)}{(1320902)} \times \frac{(25.0)}{(0.94836)} = 27.806$

File ID:	t12010206
Compound:	Tol-d8
Initials:	SJM

Reported Result 27.806

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	t010201	BFB Tune Check	1467-64	50ng	2µL	1.00	1/2/08	0834	SJM	
2	✓	02	ICAL Level 3	1443-399	2ppbv/12ppbv	20mL			1039	SJM	t14g1213c
3	✓	03	4		8ppbv/48ppbv	5.0mL			1118	SJM	MeOH1213b
4	✓	04	5		50ppbv/300ppbv	50mL			1202	SJM	sp22c
5	✓	05	7		200ppbv/1200ppbv	200mL			1248	SJM	
6	✓	06	CCV-1 (200ppbv)	1576-197	50ppbv	50mL			1410	SJM	2 out
7	✓	07	LCS-1	1576-168					1525	SJM	0 out
8	✓	08	Lab blank	12009	Humid	200mL			1623	KR	
9	✓	09	Lab Blank	"	"	"	"	"	1744	KR	

Signature

1/2/08
Date

Air Toxics Ltd.
Modified EPA Methods TO-14A/TO-15
Internal Standard and Associated Target Compounds and Surrogates

Bromochloromethane
Target Compounds:
Freon 12
Freon 114
Chloromethane
Vinyl Chloride
1,3-Butadiene
Bromomethane
Chloroethane
Freon 11
Ethanol
Freon 113
1,1-Dichloroethene
Acetone
2-Propanol
Carbon Disulfide
3-Chloropropene
Methylene Chloride
Methyl tert-butyl ether
trans-1,2-Dichloroethene
Hexane
1,1-Dichloroethane
2-Butanone (Methyl Ethyl Ketone)
cis-1,2-Dichloroethene
Tetrahydrofuran
Chloroform
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
2,2,4-Trimethylpentane
Surrogates:
1,2-Dichloroethane-d4

1,4-Difluorobenzene
Target Compounds:
Benzene
1,2-Dichloroethane
Heptane
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene
Surrogates:
Toluene-d8

Chlorobenzene-d5
Target Compounds:
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane (EDB)
Chlorobenzene
Ethyl Benzene
m,p-Xylene
o-Xylene
Styrene
Bromoform
Cumene
1,1,2,2-Tetrachloroethane
Propylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
alpha-Chlorotoluene
1,2-Dichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Surrogates:
Bromofluorobenzene

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121320.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 14-DEC-2007 11:17
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1576-168
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:44 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 03:20 Cal File: t121316.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	297931	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	235151			26.73- 126.73	78.93
13.858	13.858 (1.000)	49	457359			83.94- 183.94	153.51
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1225805	25.0000		50.00- 150.00	100.00
15.600	15.628 (1.000)	88	200996			0.00- 65.84	16.40
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1087987	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	618909			5.33- 105.33	56.89
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.078)	65	479945	25.3015	25.302	50.00- 150.00	100.00
14.936	14.936 (1.078)	67	266508			3.93- 103.93	55.53
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1159315	24.9314	24.931	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	130009			0.00- 61.06	11.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	805306			18.52- 118.52	69.46
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	761756	25.5279	25.528	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	960617			74.37- 174.37	126.11
22.789	22.789 (1.096)	176	748218			47.63- 147.63	98.22
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	407486	51.2114	51.211	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	278355			17.44- 117.44	68.31
5.812	5.812 (0.419)	39	330847			31.05- 131.05	81.19
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	2690700	51.5642	51.564	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	871018			0.00- 82.50	32.37
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.453)	135	1918203	56.2307	56.231	50.00- 150.00	100.00
6.282	6.282 (0.453)	137	605566			0.00- 81.78	31.57
18 Chloromethane					CAS #: 74-87-3		
6.531	6.559 (0.471)	50	528383	46.8136	46.814	50.00- 150.00	100.00
6.531	6.559 (0.471)	52	175192			0.00- 83.59	33.16
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.890 (0.495)	62	764253	54.1358	54.136	50.00- 150.00	100.00
6.890	6.890 (0.497)	64	246222			0.00- 94.54	32.22
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.946 (0.503)	54	603285	54.7429	54.743	50.00- 150.00	100.00
6.946	6.946 (0.501)	39	556460			61.08- 161.08	92.24
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.571)	94	800969	53.5745	53.574	50.00- 150.00	100.00
7.913	7.913 (0.571)	96	732818			44.93- 144.93	91.49
27 Chloroethane					CAS #: 75-00-3		
8.162	8.190 (0.589)	64	433707	57.5752	57.575	50.00- 150.00	100.00
8.162	8.190 (0.589)	49	106353			0.00- 76.61	24.52
8.162	8.190 (0.589)	66	140432			0.00- 85.87	32.38
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.770	8.771 (0.633)	101	3269104	56.0441	56.044	50.00- 150.00	100.00
8.770	8.771 (0.633)	103	2117698			15.72- 115.72	64.78

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	239080	60.4335	60.434	50.00- 150.00	100.00
9.241	9.241 (0.667)	43	60855			0.00- 74.87	25.45
9.241	9.241 (0.667)	46	90830			0.00- 88.05	37.99
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.719)	151	1615940	61.5542	61.554	50.00- 150.00	100.00
9.959	9.959 (0.719)	153	1032178			15.26- 115.26	63.87
9.932	9.959 (0.717)	101	2112556			81.18- 181.18	130.73
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.725)	61	1438019	62.4946	62.494	50.00- 150.00	100.00
10.042	10.042 (0.725)	96	910052			16.16- 116.16	63.29
10.042	10.042 (0.725)	98	584422			0.00- 91.50	40.64
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	378148	52.9297	52.930	50.00- 150.00	100.00
10.181	10.181 (0.735)	43	1188293			264.94- 364.94	314.24
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	1354669	57.2391	57.239	50.00- 150.00	100.00
10.374	10.374 (0.749)	43	331688			0.00- 78.96	24.48
10.374	10.374 (0.749)	59	58484			0.00- 54.05	4.32
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	2469156	56.2815	56.282	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	417374	55.7417	55.742	50.00- 150.00	100.00
10.817	10.817 (0.781)	41	855586			176.05- 276.05	204.99
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	796452	54.8123	54.812	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	777691			44.80- 144.80	97.64
11.093	11.093 (0.800)	51	249342			0.00- 83.78	31.31
60 MTBE					CAS #: 1634-04-4		
11.452	11.453 (0.826)	73	2948507	60.5394	60.539	50.00- 150.00	100.00
11.452	11.453 (0.826)	57	536190			0.00- 69.37	18.19
11.452	11.453 (0.826)	41	498181			0.00- 70.94	16.90
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.535	11.535 (0.832)	96	998183	56.6170	56.617	50.00- 150.00	100.00
11.535	11.535 (0.832)	61	1324537			84.61- 184.61	132.69
11.535	11.535 (0.832)	98	640437			15.85- 115.85	64.16

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	1447152	59.1198	59.120	50.00- 150.00	100.00
11.895	11.895 (0.858)	43	807876			8.15- 108.15	55.83
11.895	11.895 (0.858)	86	273943			0.00- 69.59	18.93
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.337 (0.892)	86	266315	60.9681	60.968	50.00- 150.00	100.00
12.337	12.337 (0.890)	43	2203777			903.58-1003.58	827.51
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	1840962	59.8689	59.869	50.00- 150.00	100.00
12.365	12.365 (0.892)	65	595247			0.00- 83.37	32.33
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	512054	62.9098	62.910	50.00- 150.00	100.00
13.388	13.388 (0.966)	43	1555813			271.22- 371.22	303.84
13.388	13.388 (0.966)	57	140713			0.00- 78.78	27.48
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	1201965	55.6569	55.657	50.00- 150.00	100.00
13.416	13.416 (0.968)	96	1004620			29.23- 129.23	83.58
13.416	13.416 (0.968)	98	645816			0.16- 100.16	53.73
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	766179	59.0695	59.069	50.00- 150.00	100.00
13.858	13.858 (1.000)	71	430316			0.61- 100.61	56.16
13.858	13.858 (1.000)	72	458315			8.31- 108.31	59.82
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	2244713	62.3864	62.386	50.00- 150.00	100.00
13.941	13.941 (1.006)	85	1463131			18.46- 118.46	65.18
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	2515274	58.3743	58.374	50.00- 150.00	100.00
14.273	14.273 (1.030)	99	1614810			13.89- 113.89	64.20
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.032)	84	1353375	61.5448	61.545	50.00- 150.00	100.00
14.300	14.300 (1.032)	56	1256976			43.75- 143.75	92.88
14.300	14.300 (1.032)	41	628833			1.66- 101.66	46.46
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.522	14.522 (1.048)	119	2395660	57.0825	57.082	50.00- 150.00	100.00
14.522	14.522 (1.048)	117	2520039			54.19- 154.19	105.19
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	3545944	57.8247	57.825	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.881	14.881 (1.074)	56	1141294			0.00- 83.27	32.19
14.881	14.881 (1.074)	41	879371			0.00- 77.74	24.80
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	2894004	59.1301	59.130	50.00- 150.00	100.00
14.964	14.964 (0.958)	77	656988			0.00- 73.32	22.70
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	1382649	56.5579	56.558	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	452098			0.00- 82.87	32.70
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	918490	59.0785	59.078	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	1149487			77.61- 177.61	125.15
15.185	15.185 (0.972)	57	722874			32.99- 132.99	78.70
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	1302106	57.5778	57.578	50.00- 150.00	100.00
16.070	16.070 (1.028)	130	1210308			45.55- 145.55	92.95
16.070	16.070 (1.028)	97	834926			15.22- 115.22	64.12
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	945570	57.8152	57.815	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	681613			23.00- 123.00	72.08
16.568	16.568 (1.060)	41	498335			8.64- 108.64	52.70
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	706088	54.4400	54.440	50.00- 150.00	100.00
16.678	16.678 (1.067)	58	380445			5.85- 105.85	53.88
16.678	16.678 (1.067)	57	134496			0.00- 69.86	19.05
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.982 (1.087)	83	2298371	58.4285	58.428	50.00- 150.00	100.00
16.982	16.982 (1.087)	85	1481812			16.51- 116.51	64.47
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1559791	59.2171	59.217	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	499741			0.00- 83.76	32.04
17.784	17.784 (1.138)	39	633346			0.00- 94.73	40.60
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.950	17.950 (1.149)	58	748743	62.4757	62.476	50.00- 150.00	100.00
17.950	17.950 (1.149)	43	1625109			168.02- 268.02	217.04
17.978	17.950 (1.150)	85	406600			2.69- 102.69	54.30

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	3488711	59.0924	59.092	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	2137294			9.70- 109.70	61.26
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	1723281	58.5278	58.528	50.00- 150.00	100.00
18.752	18.752 (0.902)	77	549331			0.00- 82.23	31.88
18.752	18.752 (0.902)	39	643249			0.00- 88.37	37.33
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1249369	58.4987	58.499	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	780443			15.96- 115.96	62.47
19.111	19.111 (0.919)	83	1032830			36.03- 136.03	82.67
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1718550	57.7366	57.736	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	1188790			20.82- 120.82	69.17
19.277	19.277 (0.927)	131	1136428			18.42- 118.42	66.13
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	1015166	58.0616	58.062	50.00- 150.00	100.00
19.416	19.416 (0.934)	43	1585312			120.66- 220.66	156.16
19.416	19.416 (0.934)	100	231322			0.00- 74.50	22.79
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2201707	58.6480	58.648	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	1695177			25.33- 125.33	76.99
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.052 (0.964)	107	2032005	56.5540	56.554	50.00- 150.00	100.00
20.051	20.052 (0.964)	109	1861574			41.12- 141.12	91.61
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2917621	56.2474	56.247	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	903390			0.00- 80.99	30.96
20.853	20.853 (1.003)	77	1746502			25.73- 125.73	59.86
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1522313	57.9476	57.948	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	4802757			266.56- 366.56	315.49
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	1930516	59.7422	59.742	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	3845669			157.11- 257.11	199.20
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1848646	60.9039	60.904	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	3849311			166.77- 266.77	208.22
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	3016308	61.3208	61.321	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	1506910			12.82- 112.82	49.96
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2332121	59.5912	59.591	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	1192867			0.34- 100.34	51.15
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	5299298	61.0792	61.079	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	1367193			0.00- 74.52	25.80
22.429	22.429 (1.078)	51	403151			51.79- 151.79	7.61
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2780728	58.4525	58.452	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	1796107			17.66- 117.66	64.59
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	6617883	60.3099	60.310	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	1462761			0.00- 71.52	22.10
23.121	23.121 (1.112)	105	239586			0.00- 53.54	3.62
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	5652075	61.1557	61.156	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	1678224			0.00- 79.85	29.69
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	4580475	60.9001	60.900	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	2226842			0.29- 100.29	48.62
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	4351654	62.1648	62.165	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	2012408			0.00- 94.69	46.24
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3071747	57.9806	57.980	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	1961928			14.61- 114.61	63.87
24.586	24.586 (1.182)	111	1275284			0.00- 92.01	41.52
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	3136467	56.9774	56.977	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	1982548			13.83- 113.83	63.21
24.724	24.724 (1.189)	111	1254870			0.00- 89.75	40.01

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	4855343	63.7416	63.742	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	929617			0.00- 69.65	19.15
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	2974913	58.5585	58.558	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	1879900			14.36- 114.36	63.19
25.360	25.360 (1.219)	111	1279017			0.00- 92.81	42.99
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2325679	66.7403	66.740	50.00- 150.00	100.00(R)
28.153	28.153 (1.354)	182	2211551			45.41- 145.41	95.09
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	2017457	63.4304	63.430	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	1250920			13.46- 113.46	62.00
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	849178	52.1561	52.156	50.00- 150.00	100.00
8.273	8.273 (0.597)	57	670085			26.79- 126.79	78.91
19 Butane					CAS #: 106-97-8		
6.780	6.780 (0.489)	58	156054	53.9715	53.972	50.00- 150.00	100.00
6.807	6.780 (0.491)	43	1081106			640.46- 740.46	692.78
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.180)	83	1666583	59.7664	59.766	50.00- 150.00	100.00
16.346	16.346 (1.180)	98	774998			0.00- 95.49	46.50
16.346	16.346 (1.180)	55	1083399			16.76- 116.76	65.01
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	3569617	62.1466	62.146	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	436768			0.00- 62.56	12.24

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121320.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	297931	6.12
97 1,4-Difluorobenze	1182601	709561	1655641	1225805	3.65
126 Chlorobenzene-d5	1033655	620193	1447117	1087987	5.26

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 14-Dec-2007 11:45

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 13Dec2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	51.564	103.13	70-130
16 Freon 114	50.000	56.231	112.46	70-130
18 Chloromethane	50.000	46.814	93.63	70-130
20 Vinyl Chloride	50.000	54.136	108.27	70-130
22 1,3-Butadiene	50.000	54.743	109.49	60-140
25 Bromomethane	50.000	53.574	107.15	70-130
27 Chloroethane	50.000	57.575	115.15	70-130
31 Trichlorofluoromet	50.000	56.044	112.09	70-130
38 Ethanol	50.000	60.434	120.87	60-140
42 Freon 113	50.000	61.554	123.11	70-130
43 1,1-Dichloroethene	50.000	62.494	124.99	70-130
45 Acetone	50.000	52.930	105.86	60-140
47 Carbon Disulfide	50.000	56.282	112.56	60-140
46 2-Propanol	50.000	57.239	114.48	60-140
54 Methylene Chloride	50.000	54.812	109.62	70-130
60 MTBE	50.000	60.539	121.08	60-140
61 trans-1,2-Dichloro	50.000	56.617	113.23	60-140
65 Hexane	50.000	59.120	118.24	60-140
69 Vinyl Acetate	50.000	60.968	121.94	60-140
70 1,1-Dichloroethane	50.000	59.869	119.74	70-130
76 cis-1,2-Dichloroet	50.000	55.657	111.31	70-130
75 2-Butanone	50.000	62.910	125.82	60-140
80 Tetrahydrofuran	50.000	59.069	118.14	60-140
82 Chloroform	50.000	62.386	124.77	70-130
85 Cyclohexane	50.000	61.545	123.09	60-140
83 1,1,1-Trichloroeth	50.000	58.374	116.75	70-130
87 Carbon Tetrachlori	50.000	57.082	114.16	70-130
91 Benzene	50.000	59.130	118.26	70-130
93 1,2-Dichloroethane	50.000	56.558	113.12	70-130
94 Heptane	50.000	59.078	118.16	60-140
101 Trichloroethene	50.000	57.578	115.16	70-130
104 1,2-Dichloropropan	50.000	57.815	115.63	70-130
106 1,4-Dioxane	50.000	54.440	108.88	60-140

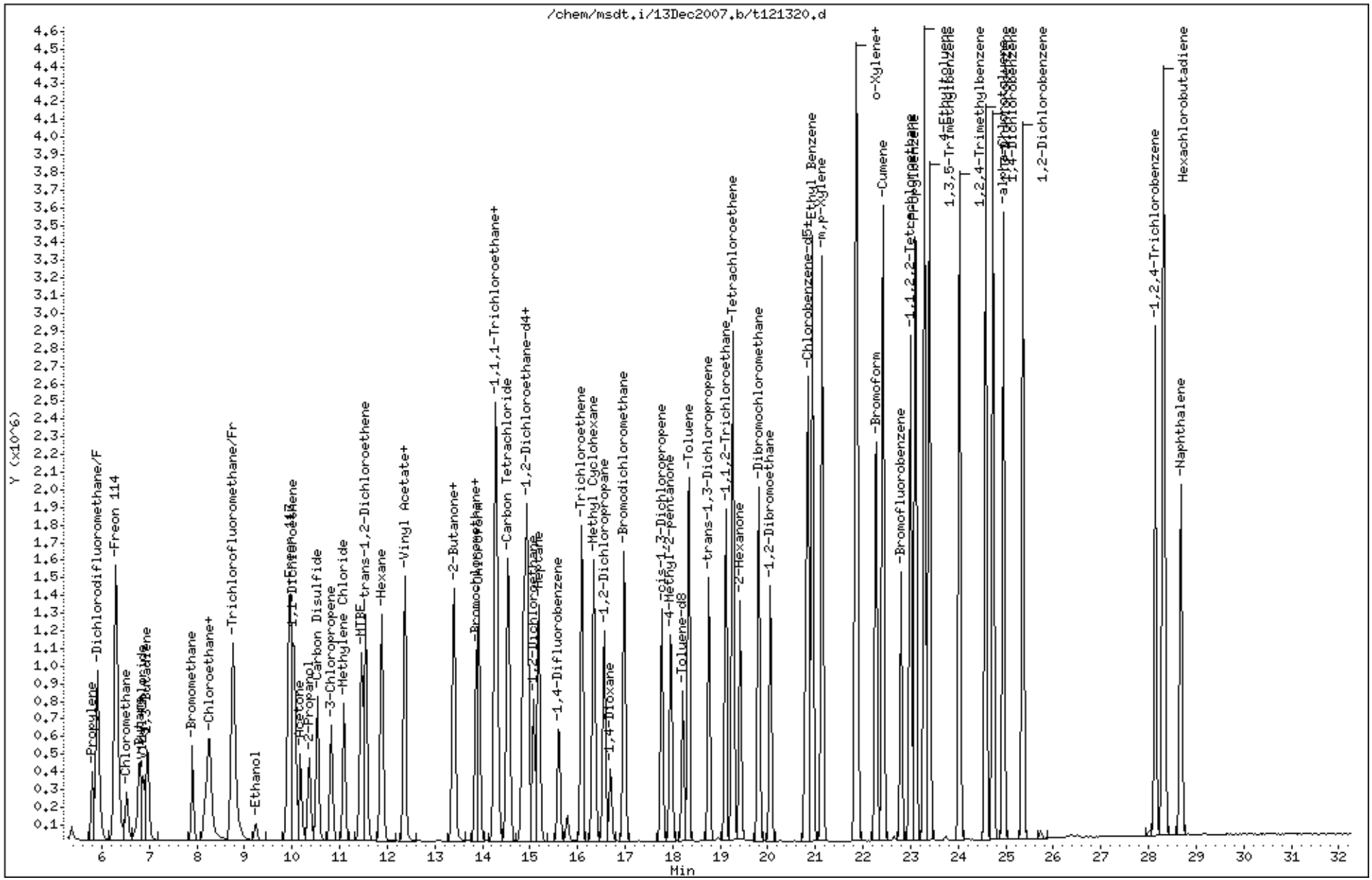
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	58.428	116.86	60-140
110 cis-1,3-Dichloropr	50.000	59.217	118.43	70-130
111 4-Methyl-2-pentano	50.000	62.476	124.95	60-140
114 Toluene	50.000	59.092	118.18	70-130
116 trans-1,3-Dichloro	50.000	58.528	117.06	70-130
117 1,1,2-Trichloroeth	50.000	58.499	117.00	70-130
120 Tetrachloroethene	50.000	57.736	115.47	70-130
121 2-Hexanone	50.000	58.062	116.12	60-140
122 Dibromochlorometha	50.000	58.648	117.30	60-140
123 1,2-Dibromoethane	50.000	56.554	113.11	70-130
127 Chlorobenzene	50.000	56.247	112.49	70-130
128 Ethyl Benzene	50.000	57.948	115.90	70-130
129 m,p-Xylene	50.000	59.742	119.48	70-130
130 o-Xylene	50.000	60.904	121.81	70-130
131 Styrene	50.000	61.321	122.64	70-130
133 Bromoform	50.000	59.591	119.18	60-140
140 1,1,2,2-Tetrachlor	50.000	58.452	116.91	70-130
145 4-Ethyltoluene	50.000	61.156	122.31	60-140
147 1,3,5-Trimethylben	50.000	60.900	121.80	70-130
150 1,2,4-Trimethylben	50.000	62.165	124.33	70-130
155 1,3-Dichlorobenzen	50.000	57.980	115.96	70-130
156 1,4-Dichlorobenzen	50.000	56.977	113.95	70-130
159 alpha-Chlorotoluen	50.000	63.742	127.48	70-130
161 1,2-Dichlorobenzen	50.000	58.558	117.12	70-130
165 1,2,4-Trichloroben	50.000	66.740	133.48*	70-130
166 Hexachlorobutadien	50.000	63.430	126.86	70-130
142 Propylbenzene	50.000	60.310	120.62	60-140
134 Cumene	50.000	61.079	122.16	60-140
51 3-Chloropropene	50.000	55.742	111.48	60-140
89 2,2,4-Trimethylpen	50.000	57.825	115.65	60-140
19 Butane	50.000	53.972	107.94	70-130
29 Isopentane	50.000	52.156	104.31	70-130
102 Methyl Cyclohexane	50.000	59.766	119.53	70-130
11 Propylene	50.000	51.211	102.42	60-140
167 Naphthalene	50.000	62.146	124.29	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.302	101.21	70-130
$ 113 Toluene-d8	25.000	24.931	99.73	70-130
$ 137 Bromofluorobenzene	25.000	25.528	102.11	70-130

Data File: /chem/msdt.i/13Dec2007.b/t121320.d
Date : 14-DEC-2007 11:17
Client ID: LCS-1
Sample Info: 50mL #1576-168

Instrument: msdt.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121310.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 13-DEC-2007 21:35
Operator : srs Inst ID: msdt.i
Smp Info : 0.2mL #1443-378
Misc Info : 200ppbv -> 0.2ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:40 ealcan Quant Type: ISTD
Cal Date : 13-DEC-2007 21:35 Cal File: t121310.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	254701	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	196886			26.73- 126.73	77.30
13.858	13.858 (1.000)	49	266898			83.94- 183.94	104.79
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1022222	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	159600			0.00- 65.84	15.61
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	910794	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	506164			5.33- 105.33	55.57
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.078)	65	401025	25.0000	24.729	50.00- 150.00	100.00
14.936	14.936 (1.078)	67	202074			3.93- 103.93	50.39
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	951323	25.0000	24.533	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	104571			0.00- 61.06	10.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	647039			18.52- 118.52	68.01
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
22.789	22.789 (1.096)	174	619737	25.0000	24.809	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	779613			74.37- 174.37	125.80
22.789	22.789 (1.096)	176	609005			47.63- 147.63	98.27
82 Chloroform						CAS #: 67-66-3	
13.941	13.941 (1.006)	83	3933	0.20000	0.1279	50.00- 150.00	100.00(a)
13.941	13.941 (1.006)	85	2994			18.46- 118.46	76.13
91 Benzene						CAS #: 71-43-2	
14.964	14.964 (0.958)	78	6473	0.20000	0.1586	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	1476			0.00- 73.32	22.80
131 Styrene						CAS #: 100-42-5	
21.876	21.876 (1.052)	104	2393	0.20000	0.05811	50.00- 150.00	100.00(a)
21.849	21.849 (1.051)	78	2697			12.82- 112.82	112.70
134 Cumene						CAS #: 98-82-8	
22.429	22.429 (1.078)	105	6626	0.20000	0.09123	50.00- 150.00	100.00(a)
22.429	22.429 (1.078)	120	1421			0.00- 74.52	21.45
22.789	22.789 (1.096)	51	37750			51.79- 151.79	569.73

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121310.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 0.2ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	254701	-9.28
97 1,4-Difluorobenze	1182601	709561	1655641	1022222	-13.56
126 Chlorobenzene-d5	1033655	620193	1447117	910794	-11.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

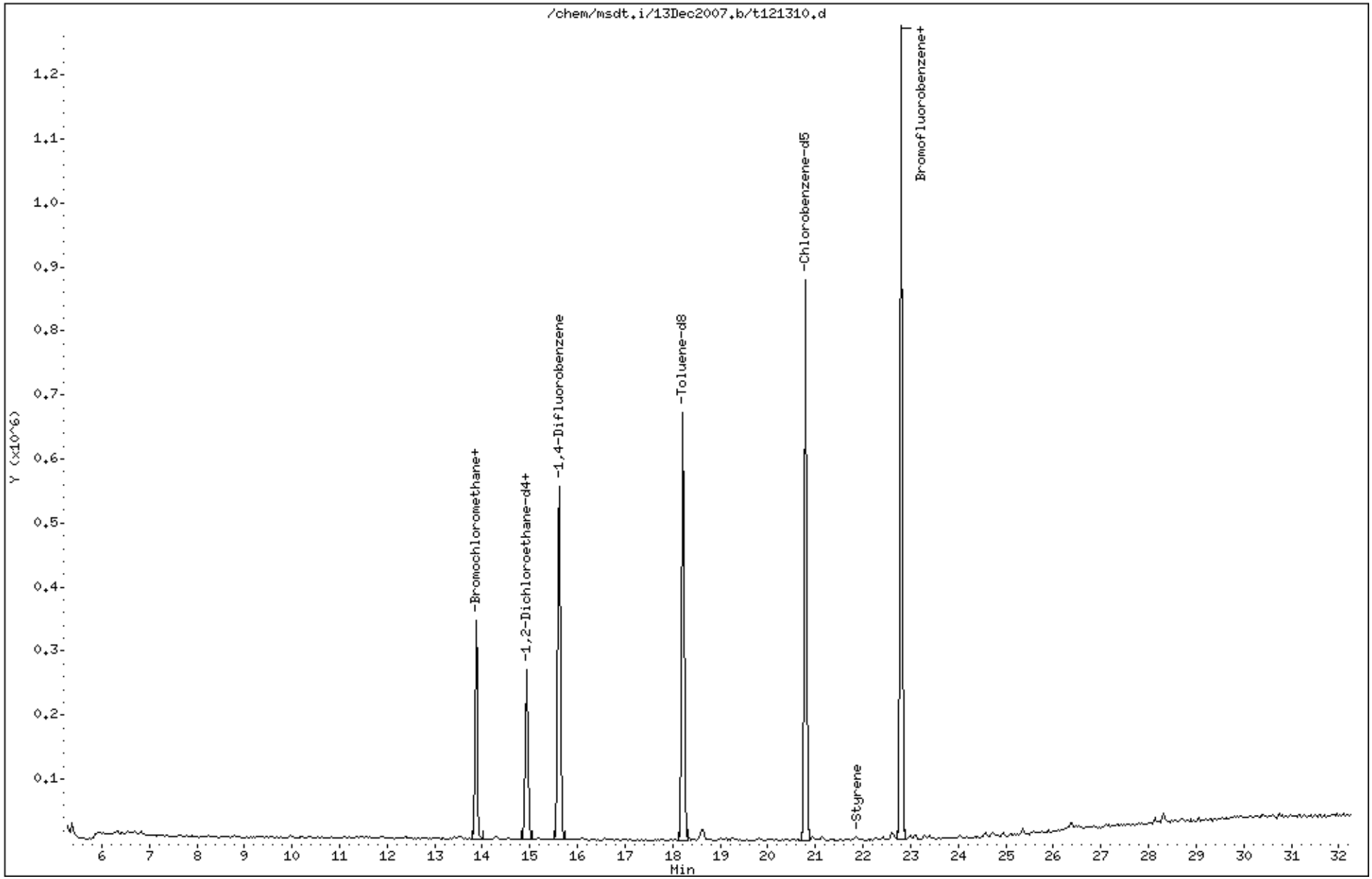
0080

Data File: /chem/msdt.i/13Dec2007.b/t121310.d
Date : 13-DEC-2007 21:35
Client ID: Level 1
Sample Info: 0.2mL #1443-378

Instrument: msdt.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121319.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 14-DEC-2007 09:58
Operator : sjr Inst ID: msdt.i
Smp Info : 0.5ml #1443-378
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:40 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 09:58 Cal File: t121319.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	299081	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	230570			26.73- 126.73	77.09
13.858	13.858 (1.000)	49	302565			83.94- 183.94	101.16
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1174268	25.0000		50.00- 150.00	100.00
15.600	15.600 (1.000)	88	185107			0.00- 65.84	15.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1056467	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	574906			5.33- 105.33	54.42
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.937 (1.078)	65	441620	25.0000	23.192	50.00- 150.00	100.00
14.937	14.937 (1.078)	67	225003			3.93- 103.93	50.95
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1097753	25.0000	24.644	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	123408			0.00- 61.06	11.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	757368			18.52- 118.52	68.99
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	723170	25.0000	24.958	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	913519			74.37- 174.37	126.32
22.789	22.789 (1.096)	176	707774			47.63- 147.63	97.87
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	23775	0.50000	0.4539	50.00- 150.00	100.00(a)
5.923	5.923 (0.427)	87	7400			0.00- 82.50	31.13
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.455)	135	13894	0.50000	0.4057	50.00- 150.00	100.00(a)
6.282	6.282 (0.453)	137	4541			0.00- 81.78	32.68
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.495)	62	5280	0.50000	0.3726	50.00- 150.00	100.00(a)
6.891	6.891 (0.497)	64	4819			0.00- 94.54	91.27
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.501)	54	4298	0.50000	0.3885	50.00- 150.00	100.00(a)
6.946	6.946 (0.501)	39	6927			61.08- 161.08	161.17
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.571)	94	6061	0.50000	0.4038	50.00- 150.00	100.00(a)
7.914	7.914 (0.571)	96	6144			44.93- 144.93	101.37
27 Chloroethane					CAS #: 75-00-3		
8.162	8.162 (0.589)	64	2991	0.50000	0.3955	50.00- 150.00	100.00(a)
0.000	1.000 (0.000)	49	0			0.00- 76.61	0.00
8.190	8.190 (0.591)	66	1285			0.00- 85.87	42.96
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.633)	101	23194	0.50000	0.3961	50.00- 150.00	100.00(a)
8.771	8.771 (0.633)	103	15578			15.72- 115.72	67.16
42 Freon 113					CAS #: 76-13-1		
9.904	9.904 (0.715)	151	11740	0.50000	0.4455	50.00- 150.00	100.00(a)
9.960	9.960 (0.719)	153	8316			15.26- 115.26	70.83
9.932	9.932 (0.717)	101	15617			81.18- 181.18	133.02
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.015	10.015 (0.723)	61	8027	0.50000	0.3475	50.00- 150.00	100.00(a)
10.015	10.015 (0.723)	96	7012			16.16- 116.16	87.36
10.043	10.043 (0.725)	98	4041			0.00- 91.50	50.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide						CAS #: 75-15-0	
10.513	10.513 (0.759)	76	16820	0.50000	0.3819	50.00- 150.00	100.00(a)
54 Methylene Chloride						CAS #: 75-09-2	
11.093	11.093 (0.800)	49	7565	0.50000	0.5186	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	8165			44.80- 144.80	107.93
11.093	11.093 (0.800)	51	3108			0.00- 83.78	41.08
60 MTBE						CAS #: 1634-04-4	
11.453	11.453 (0.826)	73	17154	0.50000	0.3508	50.00- 150.00	100.00(a)
11.453	11.453 (0.826)	57	3460			0.00- 69.37	20.17
11.453	11.453 (0.826)	41	4376			0.00- 70.94	25.51
61 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.536	11.536 (0.832)	96	6989	0.50000	0.3949	50.00- 150.00	100.00(a)
11.536	11.536 (0.832)	61	8323			84.61- 184.61	119.09
11.536	11.536 (0.832)	98	4963			15.85- 115.85	71.01
65 Hexane						CAS #: 110-54-3	
11.895	11.895 (0.858)	57	9443	0.50000	0.3843	50.00- 150.00	100.00(a)
11.895	11.895 (0.858)	43	5403			8.15- 108.15	57.22
11.895	11.895 (0.858)	86	2251			0.00- 69.59	23.84
70 1,1-Dichloroethane						CAS #: 75-34-3	
12.365	12.365 (0.892)	63	11312	0.50000	0.3664	50.00- 150.00	100.00(a)
12.365	12.365 (0.892)	65	3770			0.00- 83.37	33.33
75 2-Butanone						CAS #: 78-93-3	
13.388	13.388 (0.966)	72	2727	0.50000	0.3337	50.00- 150.00	100.00(a)
13.388	13.388 (0.966)	43	7626			271.22- 371.22	279.65
0.000	1.000 (0.000)	57	0			0.00- 78.78	0.00
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.416	13.416 (0.968)	61	8500	0.50000	0.3921	50.00- 150.00	100.00(a)
13.416	13.416 (0.968)	96	6368			29.23- 129.23	74.92
13.416	13.416 (0.968)	98	3654			0.16- 100.16	42.99
80 Tetrahydrofuran						CAS #: 109-99-9	
13.858	13.858 (1.000)	42	3765	0.50000	0.2892	50.00- 150.00	100.00(a)
13.858	13.858 (1.000)	71	1508			0.61- 100.61	40.05
13.858	13.858 (1.000)	72	2387			8.31- 108.31	63.40
82 Chloroform						CAS #: 67-66-3	
13.941	13.941 (1.006)	83	13300	0.50000	0.3682	50.00- 150.00	100.00(a)
13.941	13.941 (1.006)	85	9141			18.46- 118.46	68.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	16261	0.50000	0.3759	50.00- 150.00	100.00(a)
14.273	14.273 (1.030)	99	9023			13.89- 113.89	55.49
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.032)	84	6931	0.50000	0.3140	50.00- 150.00	100.00(a)
14.273	14.273 (1.030)	56	5912			43.75- 143.75	85.30
14.301	14.301 (1.032)	41	4069			1.66- 101.66	58.71
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.522	14.522 (1.048)	119	14440	0.50000	0.3427	50.00- 150.00	100.00(a)
14.522	14.522 (1.048)	117	14659			54.19- 154.19	101.52
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	17595	0.50000	0.3753	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	4671			0.00- 73.32	26.55
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	20178	0.50000	0.3278	50.00- 150.00	100.00(a)
14.881	14.881 (1.074)	56	6838			0.00- 83.27	33.89
14.881	14.881 (1.074)	41	6564			0.00- 77.74	32.53
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	9039	0.50000	0.3860	50.00- 150.00	100.00(a)
15.075	15.075 (0.965)	64	2946			0.00- 82.87	32.59
94 Heptane					CAS #: 142-82-5		
15.158	15.158 (0.970)	71	4812	0.50000	0.3231	50.00- 150.00	100.00(a)
15.158	15.158 (0.970)	43	5690			77.61- 177.61	118.25
15.185	15.185 (0.972)	57	4588			32.99- 132.99	95.34
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	7223	0.50000	0.3334	50.00- 150.00	100.00(a)
16.070	16.070 (1.028)	130	7085			45.55- 145.55	98.09
16.070	16.070 (1.028)	97	4879			15.22- 115.22	67.55
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	4865	0.50000	0.3105	50.00- 150.00	100.00(a)
16.568	16.568 (1.060)	62	3769			23.00- 123.00	77.47
16.540	16.540 (1.058)	41	3444			8.64- 108.64	70.79
107 Bromodichloromethane					CAS #: 75-27-4		
16.983	16.983 (1.087)	83	11868	0.50000	0.3149	50.00- 150.00	100.00(a)
16.983	16.983 (1.087)	85	8406			16.51- 116.51	70.83
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	7196	0.50000	0.2852	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
110 cis-1,3-Dichloropropene (continued)							
17.784	17.784 (1.138)	77	2850			0.00- 83.76	39.61
17.784	17.784 (1.138)	39	3450			0.00- 94.73	47.94
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	3240	0.50000	0.2822	50.00- 150.00	100.00(a)
17.950	17.950 (1.149)	43	5756			168.02- 268.02	177.65
0.000	1.000 (0.000)	85	0			2.69- 102.69	0.00
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	19549	0.50000	0.3456	50.00- 150.00	100.00(a)
18.337	18.337 (1.173)	92	11525			9.70- 109.70	58.95
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	8811	0.50000	0.3082	50.00- 150.00	100.00(a)
18.752	18.752 (0.902)	77	3281			0.00- 82.23	37.24
18.752	18.752 (0.902)	39	3884			0.00- 88.37	44.08
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	6096	0.50000	0.2939	50.00- 150.00	100.00(a)
19.112	19.112 (0.919)	99	4743			15.96- 115.96	77.81
19.112	19.112 (0.919)	83	6053			36.03- 136.03	99.29
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	9716	0.50000	0.3362	50.00- 150.00	100.00(a)
19.277	19.277 (0.927)	129	7138			20.82- 120.82	73.47
19.277	19.277 (0.927)	131	6558			18.42- 118.42	67.50
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	10932	0.50000	0.2999	50.00- 150.00	100.00(a)
19.803	19.803 (0.952)	127	7608			25.33- 125.33	69.59
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	11282	0.50000	0.3234	50.00- 150.00	100.00(a)
20.052	20.052 (0.964)	109	9675			41.12- 141.12	85.76
127 Chlorobenzene					CAS #: 108-90-7		
20.854	20.854 (1.003)	112	16767	0.50000	0.3329	50.00- 150.00	100.00(a)
20.854	20.854 (1.003)	114	4786			0.00- 80.99	28.54
20.798	20.798 (1.000)	77	21537			25.73- 125.73	128.45
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	7857	0.50000	0.3080	50.00- 150.00	100.00(a)
20.936	20.936 (1.007)	91	25011			266.56- 366.56	318.33
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	7524	0.50000	0.2398	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene (continued)							
21.130	21.130 (1.016)	91	17422			157.11- 257.11	231.55
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	7646	0.50000	0.2594	50.00- 150.00	100.00(a)
21.849	21.849 (1.051)	91	18394			166.77- 266.77	240.57
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	11536	0.50000	0.2415	50.00- 150.00	100.00(a)
21.877	21.877 (1.052)	78	6541			12.82- 112.82	56.70
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	11105	0.50000	0.2922	50.00- 150.00	100.00(a)
22.291	22.291 (1.072)	171	5041			0.34- 100.34	45.39
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	23936	0.50000	0.2841	50.00- 150.00	100.00(a)
22.430	22.430 (1.078)	120	5184			0.00- 74.52	21.66
22.402	22.402 (1.077)	51	2418			51.79- 151.79	10.10
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	12679	0.50000	0.2745	50.00- 150.00	100.00(a)
23.010	23.010 (1.106)	85	10161			17.66- 117.66	80.14
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	32735	0.50000	0.3072	50.00- 150.00	100.00(a)
23.121	23.121 (1.112)	120	6387			0.00- 71.52	19.51
23.121	23.121 (1.112)	105	1068			0.00- 53.54	3.26
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	22610	0.50000	0.2519	50.00- 150.00	100.00(a)
23.287	23.287 (1.120)	120	6972			0.00- 79.85	30.84
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	17850	0.50000	0.2444	50.00- 150.00	100.00(a)
23.397	23.397 (1.125)	120	9909			0.29- 100.29	55.51
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	17266	0.50000	0.2540	50.00- 150.00	100.00(a)
24.033	24.033 (1.156)	120	7344			0.00- 94.69	42.53
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	16434	0.50000	0.3194	50.00- 150.00	100.00(a)
24.586	24.586 (1.182)	148	11163			14.61- 114.61	67.93
24.586	24.586 (1.182)	111	7060			0.00- 92.01	42.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	18151	0.50000	0.3396	50.00- 150.00	100.00(a)
24.724	24.724 (1.189)	148	12225			13.83- 113.83	67.35
24.724	24.724 (1.189)	111	6800			0.00- 89.75	37.46
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	19854	0.50000	0.2684	50.00- 150.00	100.00(a)
24.946	24.946 (1.199)	126	4039			0.00- 69.65	20.34
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	16588	0.50000	0.3363	50.00- 150.00	100.00(a)
25.360	25.360 (1.219)	148	10652			14.36- 114.36	64.22
25.360	25.360 (1.219)	111	6669			0.00- 92.81	40.20
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.180)	83	9197	0.50000	0.3286	50.00- 150.00	100.00(a)
16.347	16.347 (1.180)	98	3570			0.00- 95.49	38.82
16.347	16.347 (1.180)	55	6146			16.76- 116.76	66.83

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121319.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	299081	6.53
97 1,4-Difluorobenze	1182601	709561	1655641	1174268	-0.70
126 Chlorobenzene-d5	1033655	620193	1447117	1056467	2.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

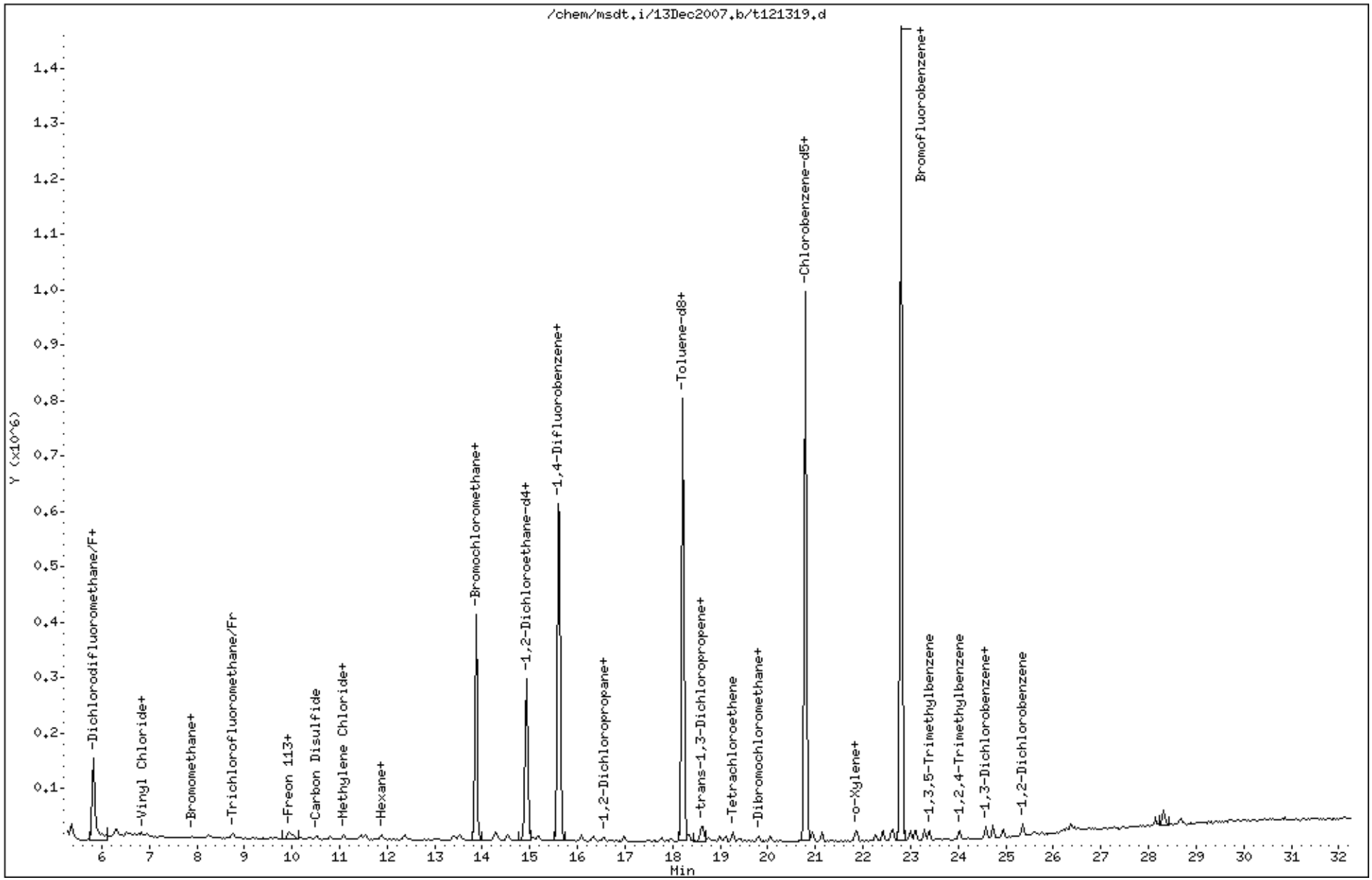
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/13Dec2007.b/t121319.d
Date : 14-DEC-2007 09:58
Client ID: Level 2
Sample Info: 0.5ml #1443-378

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Jan2008.b/t010202.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 02-JAN-2008 10:39
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1443-399
Misc Info : 200ppbv -> 2.0ppbv (12ppbv MeOH)
Comment :
Method : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Meth Date : 02-Jan-2008 15:46 sruth Quant Type: ISTD
Cal Date : 02-JAN-2008 10:39 Cal File: t010202.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	356282	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	267623			26.86- 126.86	75.12
13.865	13.865 (1.000)	49	396005			74.17- 174.17	111.15
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.607	15.607 (1.000)	114	1262976	25.0000		50.00- 150.00	100.00
15.607	15.607 (1.000)	88	207338			0.00- 66.07	16.42
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1299796	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	731602			5.77- 105.77	56.29
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.464)	65	87974	2.00000	1.911	50.00- 150.00	100.00(a)
6.436	6.436 (0.464)	45	19662			0.00- 71.17	22.35
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	86884	2.00000	1.923	50.00- 150.00	100.00(aH)
5.422	5.422 (0.391)	85	27150			0.00- 83.23	31.25

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========		=======	=======	==========	=====
9 Freon 13 (continued)								
5.422	5.422 (0.391)	87	9388				0.00- 60.80	10.81
13 Freon 134a						CAS #: 811-97-2		
5.675	5.675 (0.409)	83	39459	2.00000		1.938	50.00- 150.00	100.00(a)
5.675	5.675 (0.409)	69	32663				29.59- 129.59	82.78
15 Freon 152a						CAS #: 75-37-6		
5.844	5.844 (0.422)	65	26428	2.00000		2.438	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	47671				125.61- 225.61	180.38
5.844	5.844 (0.422)	47	12639				0.00- 95.62	47.82
17 Freon 22						CAS #: 75-45-6		
5.985	5.985 (0.432)	67	11334	2.00000		2.034	50.00- 150.00	100.00
5.985	5.985 (0.432)	51	55603				424.04- 524.04	490.59
6.013	6.013 (0.434)	85	1213				0.00- 60.14	10.70
26 Methanol						CAS #: 67-56-1		
7.562	7.562 (0.545)	31	75103	12.0000		16.296	50.00- 150.00	100.00(a)
7.562	7.562 (0.545)	32	217717				127.28- 227.28	289.89
34 Dichlorofluoromethane/Fr21						CAS #: 75-43-4		
8.717	8.717 (0.629)	67	72422	2.00000		2.029	50.00- 150.00	100.00
8.717	8.717 (0.629)	69	22711				0.00- 82.55	31.36
8.717	8.717 (0.629)	35	4161				0.00- 55.68	5.75
40 Freon123a						CAS #: 354-23-4		
9.579	9.579 (0.691)	67	51133	2.00000		1.852	50.00- 150.00	100.00(a)
9.579	9.579 (0.691)	117	39948				33.27- 133.27	78.13
41 Freon123						CAS #: 306-83-2		
9.718	9.718 (0.701)	83	70472	2.00000		1.859	50.00- 150.00	100.00(a)
9.718	9.718 (0.701)	133	15074				0.00- 72.56	21.39
9.718	9.718 (0.701)	85	50873				21.04- 121.04	72.19
57 tert-Butyl-Alcohol						CAS #: 75-65-0		
11.155	11.155 (0.805)	59	51445	2.00000		1.514	50.00- 150.00	100.00(a)
11.155	11.155 (0.805)	41	15086				0.00- 79.32	29.32
11.183	11.183 (0.807)	57	5619				0.00- 60.92	10.92
68 Isopropyl ether						CAS #: 108-20-3		
12.289	12.289 (0.886)	45	86946	2.00000		1.695	50.00- 150.00	100.00(a)
12.289	12.289 (0.886)	87	27675				0.00- 81.01	31.83
12.289	12.289 (0.886)	59	10751				0.00- 61.81	12.37
71 1-Propanol						CAS #: 71-23-8		
12.427	12.427 (0.896)	42	6546	2.00000		1.944	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.427	12.427 (0.896)	59	5021			61.64- 161.64	76.70
12.400	12.400 (0.894)	41	6066			40.91- 140.91	92.67
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	90261	2.00000	1.612	50.00- 150.00	100.00(a)
12.925	12.925 (0.932)	87	38086			0.00- 93.11	42.20
12.925	12.925 (0.932)	41	20573			0.00- 70.41	22.79
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	10695	2.00000	1.842	50.00- 150.00	100.00(a)
13.395	13.395 (0.966)	61	9600			49.68- 149.68	89.76
13.395	13.395 (0.966)	43	69150			615.05- 715.05	646.56
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	78206	2.00000	1.530	50.00- 150.00	100.00(a)
14.999	14.999 (1.082)	87	20895			0.00- 74.91	26.72
14.999	14.999 (1.082)	55	22867			0.00- 76.64	29.24
96 2-Heptanone					CAS #: 110-43-0		
21.966	21.966 (1.584)	58	35610	2.00000	1.241	50.00- 150.00	100.00(a)
21.966	21.966 (1.584)	43	54036			98.27- 198.27	151.74
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.012)	56	11880	2.00000	1.257	50.00- 150.00	100.00(a)
15.801	15.801 (1.012)	41	11073			28.59- 128.59	93.21
15.773	15.773 (1.011)	43	7397			6.69- 106.69	62.26
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.252)	56	27971	2.00000	1.572	50.00- 150.00	100.00(a)
19.533	19.533 (1.252)	73	15140			0.00- 95.25	54.13
19.533	19.533 (1.252)	43	58602			169.61- 269.61	209.51
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	29913	2.00000	1.381	50.00- 150.00	100.00(a)
22.741	22.741 (1.093)	98	14914			2.09- 102.09	49.86
22.741	22.741 (1.093)	42	19724			15.79- 115.79	65.94
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.542	23.542 (1.132)	57	70371	2.00000	1.342	50.00- 150.00	100.00(a)
23.570	23.570 (1.133)	85	68500			46.68- 146.68	97.34
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t010202.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/02Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 2.0ppbv (12ppbv MeOH)

Calibration Date: 02-JAN-2008
Calibration Time: 12:02
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	338913	203348	474478	356282	5.12
97 1,4-Difluorobenze	1251078	750647	1751509	1262976	0.95
126 Chlorobenzene-d5	1269166	761500	1776832	1299796	2.41

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.61	-0.18
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

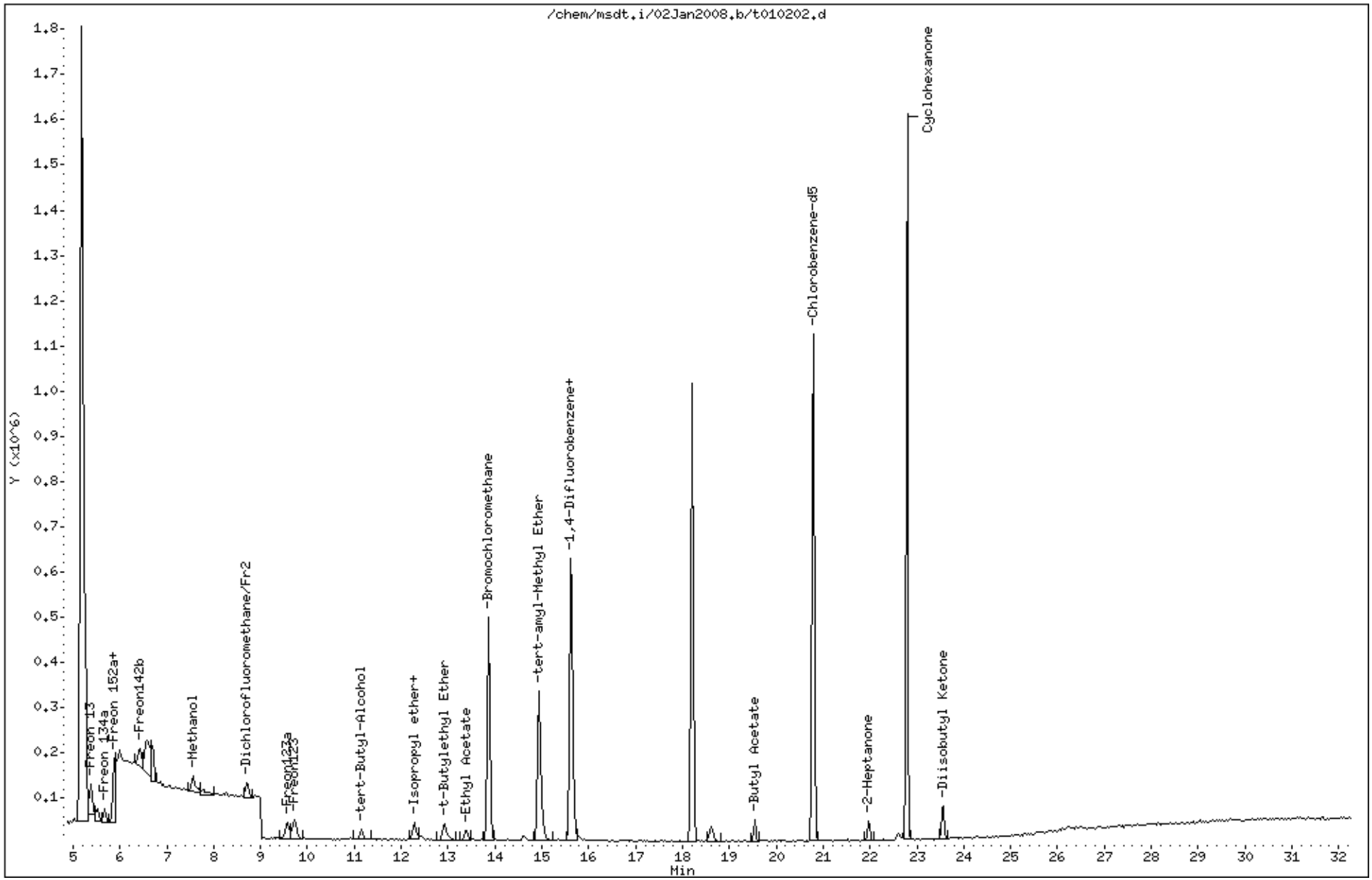
0101

Data File: /chem/msdt.i/02Jan2008.b/t010202.d
Date : 02-JAN-2008 10:39
Client ID: Level 3
Sample Info: 2.0ml #1443-399

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Dec2007.b/t121902.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 19-DEC-2007 10:31
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1443-388
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/19Dec2007.b/t14q1213b.m
Meth Date : 19-Dec-2007 12:54 sruth Quant Type: ISTD
Cal Date : 19-DEC-2007 10:31 Cal File: t121902.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	215661	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	169262			27.34- 127.34	78.49
13.865	13.865 (1.000)	49	261041			80.38- 180.38	121.04
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	903019	25.0000		50.00- 150.00	100.00
15.607	15.607 (1.000)	88	147178			0.00- 65.86	16.30
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	821598	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	468836			6.00- 106.00	57.06
199 Vinyl Fluoride					CAS #: 75-02-5		
5.591	5.591 (0.403)	46	13211	2.00000	2.289	50.00- 150.00	100.00
5.591	5.591 (0.403)	45	9106			20.20- 120.20	68.93
0.000	1.000 (0.000)	47	0			0.00- 52.23	0.00

Report Date: 19-Dec-2007 12:55

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121902.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/19Dec2007.b/t14q1213b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 19-DEC-2007
Calibration Time: 11:12
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	204685	122811	286559	215661	5.36
97 1,4-Difluorobenze	866754	520052	1213456	903019	4.18
126 Chlorobenzene-d5	784408	470645	1098171	821598	4.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/19Dec2007.b/t121902.d

Date : 19-DEC-2007 10:31

Client ID: Level 3

Sample Info: 2.0ml #1443-388

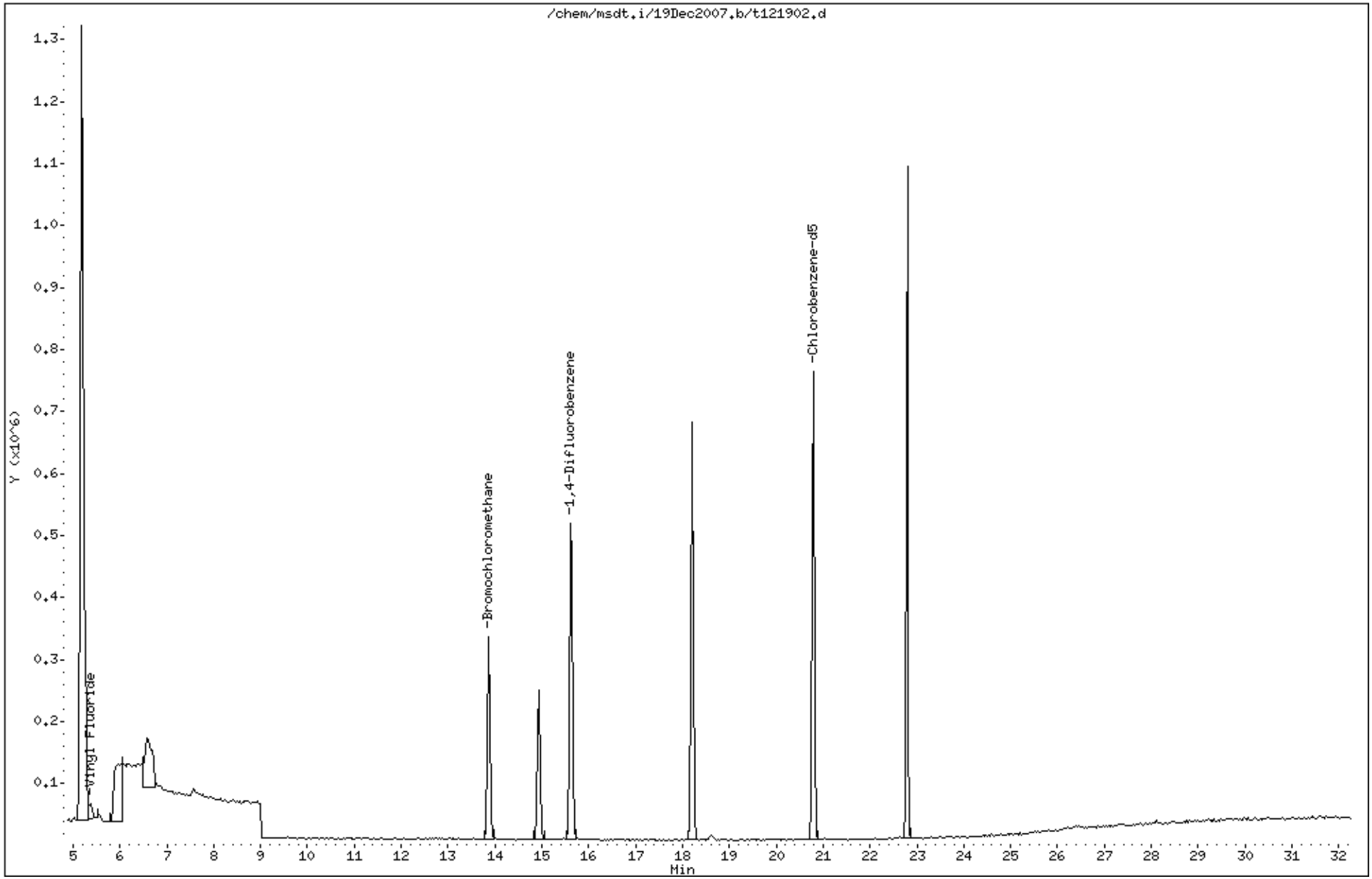
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0104



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121312.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 13-DEC-2007 23:51
Operator : ab Inst ID: msdt.i
Smp Info : 2.0mL #1443-378
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 15:00 ealcan Quant Type: ISTD
Cal Date : 13-DEC-2007 23:51 Cal File: t121312.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	253123	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	189889			26.73- 126.73	75.02
13.858	13.858 (1.000)	49	271657			83.94- 183.94	107.32
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	995600	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	160893			0.00- 65.84	16.16
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	905969	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	502409			5.33- 105.33	55.46
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.936 (1.078)	65	393030	25.0000	24.387	50.00- 150.00	100.00
14.937	14.936 (1.078)	67	191168			3.93- 103.93	48.64
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	938688	25.0000	24.854	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	104583			0.00- 61.06	11.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	645460			18.52- 118.52	68.76
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	629343	25.0000	25.328	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	759914			74.37- 174.37	120.75
22.789	22.789 (1.096)	176	609315			47.63- 147.63	96.82
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	14292	2.00000	2.114	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	9311			17.44- 117.44	65.15
5.812	5.812 (0.419)	39	12206			31.05- 131.05	85.41
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	87500	2.00000	1.974	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	30510			0.00- 82.50	34.87
16 Freon 114					CAS #: 76-14-2		
6.310	6.282 (0.455)	135	51245	2.00000	1.768	50.00- 150.00	100.00
6.310	6.282 (0.455)	137	15742			0.00- 81.78	30.72
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.473)	50	20594	2.00000	2.148	50.00- 150.00	100.00
6.559	6.559 (0.473)	52	7143			0.00- 83.59	34.69
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.890 (0.497)	62	23216	2.00000	1.936	50.00- 150.00	100.00
6.891	6.890 (0.497)	64	8115			0.00- 94.54	34.96
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.946 (0.503)	54	17368	2.00000	1.855	50.00- 150.00	100.00
6.973	6.946 (0.503)	39	19080			61.08- 161.08	109.86
25 Bromomethane					CAS #: 74-83-9		
7.914	7.913 (0.571)	94	23738	2.00000	1.869	50.00- 150.00	100.00
7.914	7.913 (0.571)	96	22027			44.93- 144.93	92.80
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.591)	64	10813	2.00000	1.690	50.00- 150.00	100.00
8.190	8.190 (0.591)	49	3122			0.00- 76.61	28.87
8.190	8.190 (0.591)	66	4250			0.00- 85.87	39.31
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.633)	101	93986	2.00000	1.896	50.00- 150.00	100.00
8.771	8.771 (0.633)	103	62888			15.72- 115.72	66.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	5393	2.00000	1.605	50.00- 150.00	100.00(a)
9.241	9.241 (0.667)	43	1469			0.00- 74.87	27.25
9.241	9.241 (0.667)	46	2169			0.00- 88.05	40.23
42 Freon 113					CAS #: 76-13-1		
9.960	9.959 (0.719)	151	42117	2.00000	1.888	50.00- 150.00	100.00
9.960	9.959 (0.719)	153	27300			15.26- 115.26	64.82
9.960	9.959 (0.719)	101	55911			81.18- 181.18	132.75
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.042 (0.725)	61	37725	2.00000	1.930	50.00- 150.00	100.00
10.043	10.042 (0.725)	96	22076			16.16- 116.16	58.52
10.043	10.042 (0.725)	98	13704			0.00- 91.50	36.33
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	11856	2.00000	1.953	50.00- 150.00	100.00(a)
10.181	10.181 (0.735)	43	38480			264.94- 364.94	324.54
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	33322	2.00000	1.657	50.00- 150.00	100.00(a)
10.402	10.374 (0.751)	43	13428			0.00- 78.96	40.30
10.374	10.374 (0.749)	59	1250			0.00- 54.05	3.75
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	67773	2.00000	1.818	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	10481	2.00000	1.648	50.00- 150.00	100.00
10.817	10.817 (0.781)	41	26558			176.05- 276.05	253.39
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	24160	2.00000	1.957	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	20453			44.80- 144.80	84.66
11.093	11.093 (0.800)	51	8522			0.00- 83.78	35.27
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.826)	73	64385	2.00000	1.556	50.00- 150.00	100.00
11.453	11.453 (0.826)	57	13318			0.00- 69.37	20.69
11.453	11.453 (0.826)	41	15966			0.00- 70.94	24.80
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.536	11.535 (0.832)	96	27711	2.00000	1.850	50.00- 150.00	100.00
11.536	11.535 (0.832)	61	39510			84.61- 184.61	142.58
11.536	11.535 (0.832)	98	18112			15.85- 115.85	65.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	34289	2.00000	1.649	50.00- 150.00	100.00
11.895	11.895 (0.858)	43	21142			8.15- 108.15	61.66
11.895	11.895 (0.858)	86	6159			0.00- 69.59	17.96
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.337 (0.892)	86	4210	2.00000	1.134	50.00- 150.00	100.00(a)
12.365	12.337 (0.892)	43	50455			903.58-1003.58	1198.31
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	47366	2.00000	1.813	50.00- 150.00	100.00
12.365	12.365 (0.892)	65	16860			0.00- 83.37	35.60
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	9910	2.00000	1.433	50.00- 150.00	100.00
13.388	13.388 (0.966)	43	36718			271.22- 371.22	370.49
13.388	13.388 (0.966)	57	2780			0.00- 78.78	28.05
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	35693	2.00000	1.945	50.00- 150.00	100.00
13.416	13.416 (0.968)	96	27122			29.23- 129.23	75.99
13.416	13.416 (0.968)	98	18038			0.16- 100.16	50.54
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	19758	2.00000	1.793	50.00- 150.00	100.00
13.858	13.858 (1.000)	71	9972			0.61- 100.61	50.47
13.858	13.858 (1.000)	72	10244			8.31- 108.31	51.85
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	59813	2.00000	1.957	50.00- 150.00	100.00
13.941	13.941 (1.006)	85	41889			18.46- 118.46	70.03
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	66107	2.00000	1.806	50.00- 150.00	100.00
14.273	14.273 (1.030)	99	45667			13.89- 113.89	69.08
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.300 (1.032)	84	30567	2.00000	1.636	50.00- 150.00	100.00
14.301	14.300 (1.032)	56	30213			43.75- 143.75	98.84
14.301	14.300 (1.032)	41	16170			1.66- 101.66	52.90
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.522 (1.050)	119	68844	2.00000	1.931	50.00- 150.00	100.00
14.522	14.522 (1.048)	117	69338			54.19- 154.19	100.72
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	77851	2.00000	1.958	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.964	14.964 (0.958)	77	17638			0.00- 73.32	22.66
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	84346	2.00000	1.619	50.00- 150.00	100.00
14.881	14.881 (1.074)	56	29647			0.00- 83.27	35.15
14.881	14.881 (1.074)	41	25447			0.00- 77.74	30.17
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	38382	2.00000	1.933	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	13114			0.00- 82.87	34.17
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	21228	2.00000	1.681	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	28158			77.61- 177.61	132.64
15.185	15.185 (0.972)	57	17386			32.99- 132.99	81.90
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	33646	2.00000	1.832	50.00- 150.00	100.00
16.070	16.070 (1.028)	130	32994			45.55- 145.55	98.06
16.070	16.070 (1.028)	97	22399			15.22- 115.22	66.57
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	24213	2.00000	1.823	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	17688			23.00- 123.00	73.05
16.568	16.568 (1.060)	41	14945			8.64- 108.64	61.73
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	17684	2.00000	1.679	50.00- 150.00	100.00(a)
16.706	16.678 (1.069)	58	10078			5.85- 105.85	56.99
16.678	16.678 (1.067)	57	3752			0.00- 69.86	21.22
107 Bromodichloromethane					CAS #: 75-27-4		
16.983	16.982 (1.087)	83	59329	2.00000	1.857	50.00- 150.00	100.00
16.983	16.982 (1.087)	85	40077			16.51- 116.51	67.55
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	35273	2.00000	1.649	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	11450			0.00- 83.76	32.46
17.784	17.784 (1.138)	39	17935			0.00- 94.73	50.85
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.950 (1.150)	58	12890	2.00000	1.324	50.00- 150.00	100.00
17.978	17.950 (1.150)	43	32252			168.02- 268.02	250.21
17.978	17.950 (1.150)	85	6644			2.69- 102.69	51.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	89987	2.00000	1.877	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	51337			9.70- 109.70	57.05
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	42236	2.00000	1.723	50.00- 150.00	100.00
18.752	18.752 (0.902)	77	12133			0.00- 82.23	28.73
18.752	18.752 (0.902)	39	13953			0.00- 88.37	33.04
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.111 (0.919)	97	32136	2.00000	1.807	50.00- 150.00	100.00
19.112	19.111 (0.919)	99	20573			15.96- 115.96	64.02
19.112	19.111 (0.919)	83	26593			36.03- 136.03	82.75
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	47245	2.00000	1.906	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	32576			20.82- 120.82	68.95
19.277	19.277 (0.927)	131	34590			18.42- 118.42	73.21
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	14617	2.00000	1.004	50.00- 150.00	100.00(a)
19.416	19.416 (0.934)	43	28752			120.66- 220.66	196.70
19.416	19.416 (0.934)	100	4246			0.00- 74.50	29.05
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	54602	2.00000	1.747	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	41416			25.33- 125.33	75.85
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	52542	2.00000	1.756	50.00- 150.00	100.00
20.052	20.052 (0.964)	109	47342			41.12- 141.12	90.10
127 Chlorobenzene					CAS #: 108-90-7		
20.854	20.853 (1.003)	112	83776	2.00000	1.940	50.00- 150.00	100.00
20.854	20.853 (1.003)	114	26381			0.00- 80.99	31.49
20.854	20.853 (1.003)	77	60726			25.73- 125.73	72.49
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	37020	2.00000	1.692	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	117271			266.56- 366.56	316.77
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	43858	2.00000	1.630	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	92062			157.11- 257.11	209.91
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	39199	2.00000	1.551	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	85614			166.77- 266.77	218.40
131 Styrene					CAS #: 100-42-5		
21.877	21.876 (1.052)	104	58938	2.00000	1.439	50.00- 150.00	100.00
21.877	21.876 (1.052)	78	33809			12.82- 112.82	57.36
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	54700	2.00000	1.678	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	28713			0.34- 100.34	52.49
134 Cumene					CAS #: 98-82-8		
22.430	22.429 (1.078)	105	118346	2.00000	1.638	50.00- 150.00	100.00
22.430	22.429 (1.078)	120	30709			0.00- 74.52	25.95
22.430	22.429 (1.078)	51	9444			51.79- 151.79	7.98
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	71287	2.00000	1.800	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	44544			17.66- 117.66	62.49
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	145824	2.00000	1.596	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	31501			0.00- 71.52	21.60
23.093	23.121 (1.110)	105	5527			0.00- 53.54	3.79
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.286 (1.120)	105	121403	2.00000	1.578	50.00- 150.00	100.00
23.287	23.286 (1.120)	120	35104			0.00- 79.85	28.92
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	100989	2.00000	1.612	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	49919			0.29- 100.29	49.43
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	84615	2.00000	1.452	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	36189			0.00- 94.69	42.77
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	81310	2.00000	1.843	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	51498			14.61- 114.61	63.34
24.586	24.586 (1.182)	111	33757			0.00- 92.01	41.52
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	82752	2.00000	1.805	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	49857			13.83- 113.83	60.25
24.724	24.724 (1.189)	111	33486			0.00- 89.75	40.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.945 (1.199)	91	93144	2.00000	1.468	50.00- 150.00	100.00
24.946	24.945 (1.199)	126	18635			0.00- 69.65	20.01
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	73842	2.00000	1.746	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	48650			14.36- 114.36	65.88
25.360	25.360 (1.219)	111	32099			0.00- 92.81	43.47
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	37460	2.00000	1.291	50.00- 150.00	100.00(a)
28.153	28.153 (1.354)	182	35834			45.41- 145.41	95.66
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	42757	2.00000	1.614	50.00- 150.00	100.00(a)
28.319	28.319 (1.362)	223	28345			13.46- 113.46	66.29
19 Butane					CAS #: 106-97-8		
6.808	6.780 (0.491)	58	4252	2.00000	1.731	50.00- 150.00	100.00(a)
6.808	6.780 (0.491)	43	34824			640.46- 740.46	819.00
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	26227	2.00000	1.896	50.00- 150.00	100.00(a)
8.273	8.273 (0.597)	57	19023			26.79- 126.79	72.53
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.346 (1.180)	83	37101	2.00000	1.566	50.00- 150.00	100.00
16.347	16.346 (1.180)	98	18806			0.00- 95.49	50.69
16.347	16.346 (1.180)	55	25754			16.76- 116.76	69.42
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	53924	2.00000	1.127	50.00- 150.00	100.00(a)
28.678	28.678 (1.379)	127	7316			0.00- 62.56	13.57

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121312.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	253123	-9.84
97 1,4-Difluorobenze	1182601	709561	1655641	995600	-15.81
126 Chlorobenzene-d5	1033655	620193	1447117	905969	-12.35

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

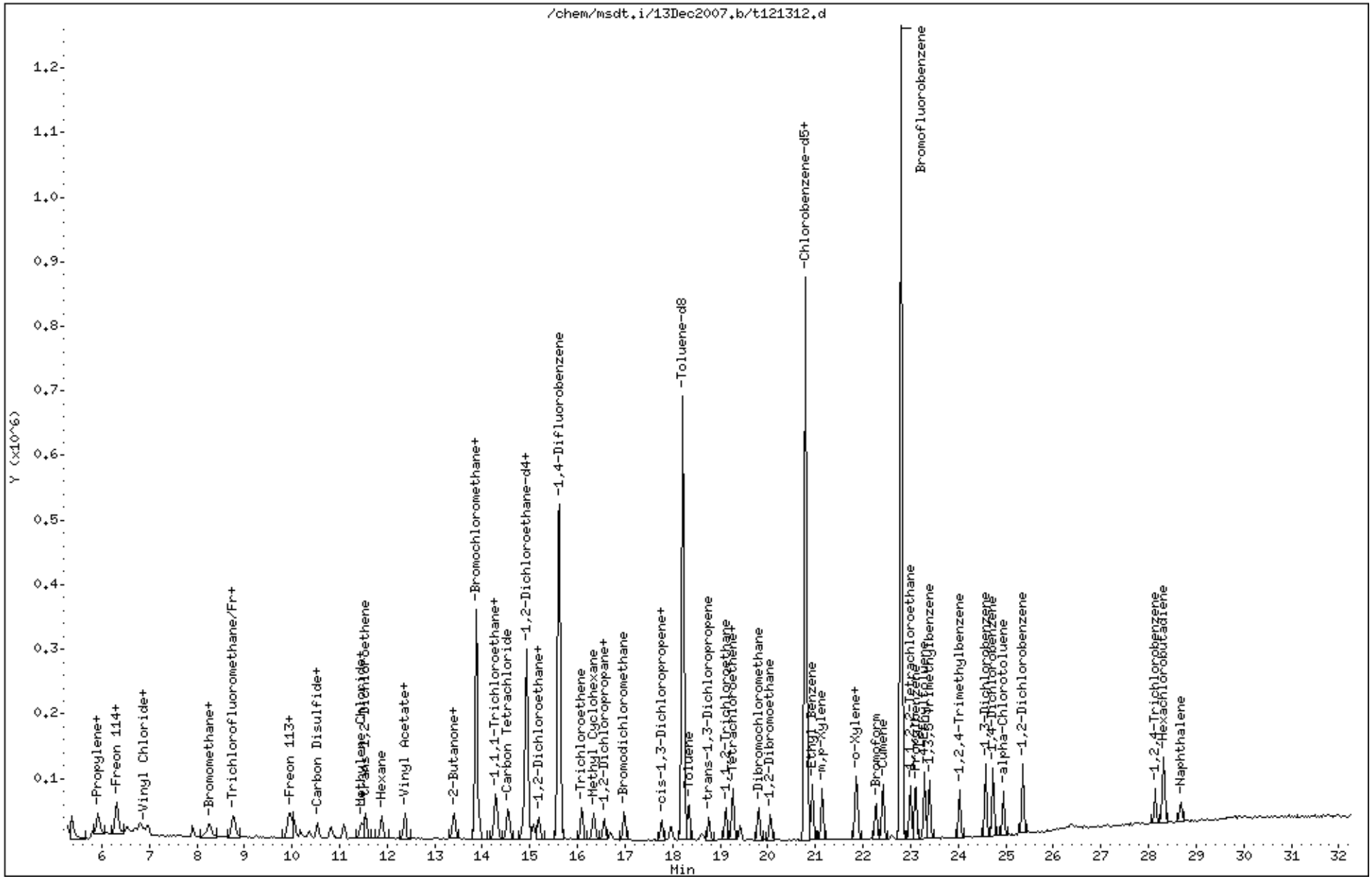
0114

Data File: /chem/msdt.i/13Dec2007.b/t121312.d
Date : 13-DEC-2007 23:51
Client ID: Level 3
Sample Info: 2.0mL #1443-378

Instrument: msdt.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Jan2008.b/t010203.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 02-JAN-2008 11:18
Operator : sjr Inst ID: msdt.i
Smp Info : 8.0ml #1443-399
Misc Info : 200ppbv -> 8.0ppbv (48ppbv MeOH)
Comment :
Method : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Meth Date : 02-Jan-2008 15:47 sruth Quant Type: ISTD
Cal Date : 02-JAN-2008 11:18 Cal File: t010203.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	341024	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	271284			26.86- 126.86	79.55
13.865	13.865 (1.000)	49	404499			74.17- 174.17	118.61
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1262666	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	203375			0.00- 66.07	16.11
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1287536	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	739635			5.77- 105.77	57.45
6 Freon142b					CAS #: 75-68-3		
6.408	6.408 (0.462)	65	328382	8.00000	7.452	50.00- 150.00	100.00
6.408	6.408 (0.462)	45	70365			0.00- 71.17	21.43
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	335762	8.00000	7.764	50.00- 150.00	100.00(H)
5.394	5.394 (0.389)	85	116750			0.00- 83.23	34.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.394	5.394 (0.389)	87	37057			0.00- 60.80	11.04
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	144504	8.00000	7.416	50.00- 150.00	100.00
5.675	5.675 (0.409)	69	113113			29.59- 129.59	78.28
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	72322	8.00000	6.969	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	129634			125.61- 225.61	179.25
5.844	5.844 (0.422)	47	32766			0.00- 95.62	45.31
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	40777	8.00000	7.647	50.00- 150.00	100.00
5.985	5.985 (0.432)	51	185475			424.04- 524.04	454.85
5.985	5.985 (0.432)	85	4437			0.00- 60.14	10.88
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	180633	48.0000	40.949	50.00- 150.00	100.00(a)
7.534	7.534 (0.543)	32	289814			127.28- 227.28	160.44
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	256068	8.00000	7.494	50.00- 150.00	100.00
8.717	8.717 (0.629)	69	85184			0.00- 82.55	33.27
8.717	8.717 (0.629)	35	14499			0.00- 55.68	5.66
40 Freon123a					CAS #: 354-23-4		
9.580	9.580 (0.691)	67	194248	8.00000	7.350	50.00- 150.00	100.00
9.580	9.580 (0.691)	117	168537			33.27- 133.27	86.76
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	273315	8.00000	7.531	50.00- 150.00	100.00
9.718	9.718 (0.701)	133	66894			0.00- 72.56	24.48
9.718	9.718 (0.701)	85	192964			21.04- 121.04	70.60
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.156	11.156 (0.805)	59	213357	8.00000	6.560	50.00- 150.00	100.00
11.156	11.156 (0.805)	41	53502			0.00- 79.32	25.08
11.156	11.156 (0.805)	57	24564			0.00- 60.92	11.51
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	340212	8.00000	6.931	50.00- 150.00	100.00
12.289	12.289 (0.886)	87	103397			0.00- 81.01	30.39
12.289	12.289 (0.886)	59	42496			0.00- 61.81	12.49
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	21254	8.00000	6.595	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.400	12.400 (0.894)	59	25946			61.64- 161.64	122.08
12.400	12.400 (0.894)	41	19680			40.91- 140.91	92.59
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	379964	8.00000	7.088	50.00- 150.00	100.00
12.925	12.925 (0.932)	87	162993			0.00- 93.11	42.90
12.925	12.925 (0.932)	41	78140			0.00- 70.41	20.57
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	40012	8.00000	7.200	50.00- 150.00	100.00
13.395	13.395 (0.966)	61	40641			49.68- 149.68	101.57
13.395	13.395 (0.966)	43	261880			615.05- 715.05	654.50
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	338197	8.00000	6.914	50.00- 150.00	100.00
14.999	14.999 (1.082)	87	78081			0.00- 74.91	23.09
14.999	14.999 (1.082)	55	87128			0.00- 76.64	25.76
96 2-Heptanone					CAS #: 110-43-0		
21.967	21.967 (1.584)	58	170115	8.00000	6.192	50.00- 150.00	100.00
21.967	21.967 (1.584)	43	257136			98.27- 198.27	151.15
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	55993	8.00000	5.928	50.00- 150.00	100.00
15.801	15.801 (1.011)	41	41768			28.59- 128.59	74.60
15.801	15.801 (1.011)	43	31471			6.69- 106.69	56.21
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	113668	8.00000	6.389	50.00- 150.00	100.00
19.533	19.533 (1.249)	73	46398			0.00- 95.25	40.82
19.533	19.533 (1.249)	43	257446			169.61- 269.61	226.49
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	136978	8.00000	6.384	50.00- 150.00	100.00
22.741	22.741 (1.093)	98	70849			2.09- 102.09	51.72
22.741	22.741 (1.093)	42	91502			15.79- 115.79	66.80
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	335486	8.00000	6.458	50.00- 150.00	100.00
23.570	23.570 (1.133)	85	326099			46.68- 146.68	97.20
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Report Date: 02-Jan-2008 15:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t010203.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/02Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 8.0ppbv (48ppbv MeOH)

Calibration Date: 02-JAN-2008
Calibration Time: 12:02
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	338913	203348	474478	341024	0.62
97 1,4-Difluorobenze	1251078	750647	1751509	1262666	0.93
126 Chlorobenzene-d5	1269166	761500	1776832	1287536	1.45

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

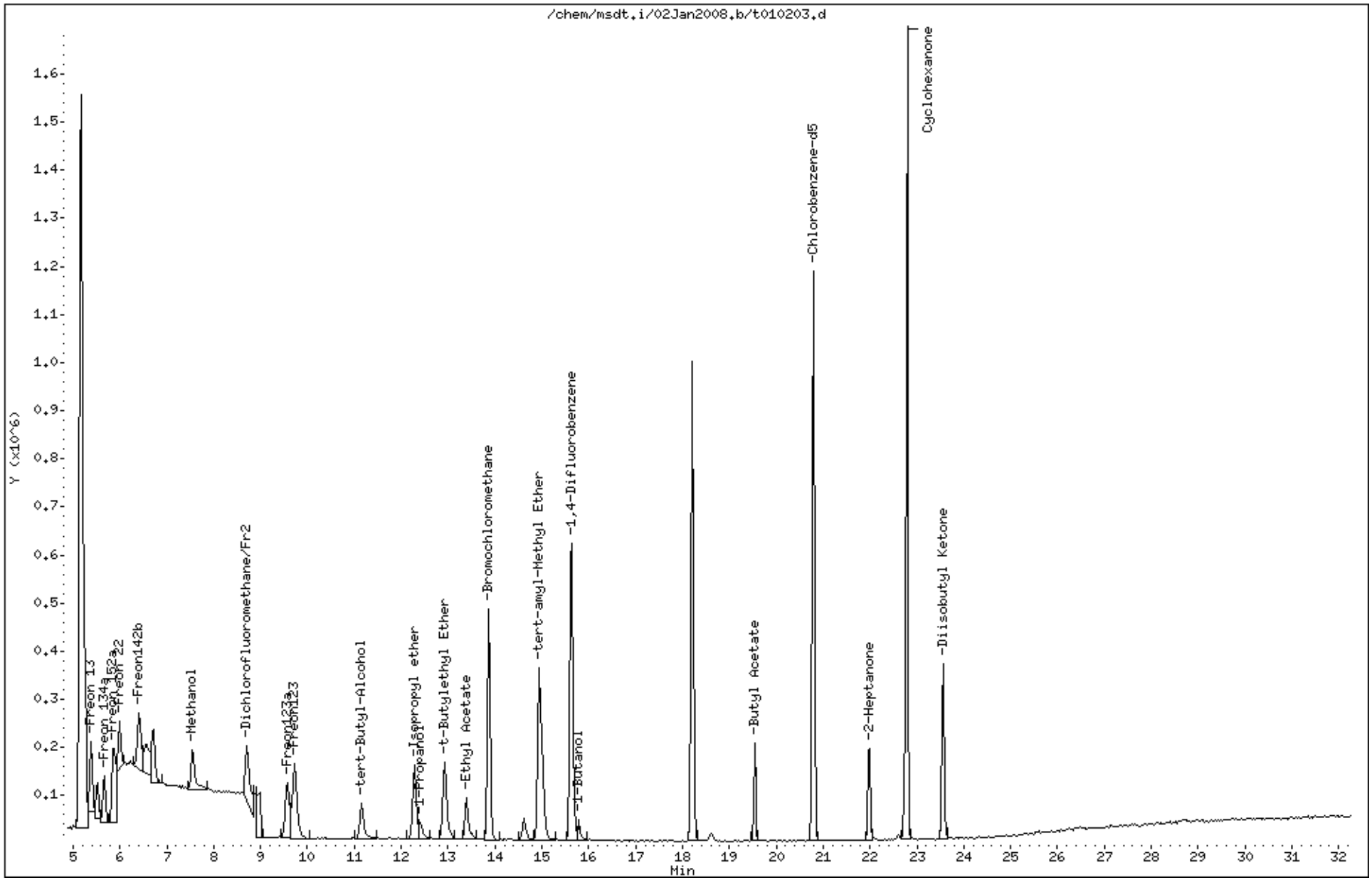
0120

Data File: /chem/msdt.i/02Jan2008.b/t010203.d
Date : 02-JAN-2008 11:18
Client ID: Level 4
Sample Info: 8.0ml #1443-399

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121313.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 14-DEC-2007 00:40
Operator : ab Inst ID: msdt.i
Smp Info : 25mL #1443-378
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:41 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 00:40 Cal File: t121313.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	259446	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	199212			26.73- 126.73	76.78
13.858	13.858 (1.000)	49	354443			83.94- 183.94	136.62
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1118582	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	170822			0.00- 65.84	15.27
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	965763	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	541824			5.33- 105.33	56.10
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.078)	65	429347	25.0000	25.992	50.00- 150.00	100.00
14.936	14.936 (1.078)	67	234126			3.93- 103.93	54.53
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1051366	25.0000	24.777	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	118669			0.00- 61.06	11.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	723574			18.52- 118.52	68.82
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	660127	25.0000	24.922	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	818482			74.37- 174.37	123.99
22.789	22.789 (1.096)	176	647788			47.63- 147.63	98.13
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	186294	25.0000	26.886	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	120745			17.44- 117.44	64.81
5.812	5.812 (0.419)	39	142255			31.05- 131.05	76.36
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	1257853	25.0000	27.681	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	403784			0.00- 82.50	32.10
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.455)	135	840521	25.0000	28.294	50.00- 150.00	100.00
6.310	6.310 (0.455)	137	264736			0.00- 81.78	31.50
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.473)	50	250634	25.0000	25.499	50.00- 150.00	100.00
6.559	6.559 (0.473)	52	84268			0.00- 83.59	33.62
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.497)	62	339598	25.0000	27.624	50.00- 150.00	100.00
6.890	6.890 (0.497)	64	112478			0.00- 94.54	33.12
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.503)	54	269708	25.0000	28.104	50.00- 150.00	100.00
6.973	6.973 (0.503)	39	258065			61.08- 161.08	95.68
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.571)	94	340883	25.0000	26.183	50.00- 150.00	100.00
7.913	7.913 (0.571)	96	321255			44.93- 144.93	94.24
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.591)	64	186657	25.0000	28.454	50.00- 150.00	100.00
8.190	8.190 (0.591)	49	50575			0.00- 76.61	27.10
8.190	8.190 (0.591)	66	62344			0.00- 85.87	33.40
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.633)	101	1444693	25.0000	28.441	50.00- 150.00	100.00
8.798	8.798 (0.635)	103	942573			15.72- 115.72	65.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	90458	25.0000	26.257	50.00- 150.00	100.00
9.241	9.241 (0.667)	43	22819			0.00- 74.87	25.23
9.241	9.241 (0.667)	46	35587			0.00- 88.05	39.34
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.719)	151	609957	25.0000	26.681	50.00- 150.00	100.00
9.959	9.959 (0.719)	153	388227			15.26- 115.26	63.65
9.959	9.959 (0.719)	101	789206			81.18- 181.18	129.39
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.725)	61	558324	25.0000	27.863	50.00- 150.00	100.00
10.042	10.042 (0.725)	96	331435			16.16- 116.16	59.36
10.042	10.042 (0.725)	98	218916			0.00- 91.50	39.21
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	161269	25.0000	25.921	50.00- 150.00	100.00
10.181	10.181 (0.735)	43	523182			264.94- 364.94	324.42
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	557802	25.0000	27.065	50.00- 150.00	100.00
10.374	10.374 (0.749)	43	151241			0.00- 78.96	27.11
10.374	10.374 (0.749)	59	21376			0.00- 54.05	3.83
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	1023000	25.0000	26.777	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	164343	25.0000	25.204	50.00- 150.00	100.00
10.817	10.817 (0.781)	41	374175			176.05- 276.05	227.68
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	333301	25.0000	26.340	50.00- 150.00	100.00
11.121	11.121 (0.802)	84	301227			44.80- 144.80	90.38
11.093	11.093 (0.800)	51	100571			0.00- 83.78	30.17
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.826)	73	1219558	25.0000	28.754	50.00- 150.00	100.00
11.453	11.453 (0.826)	57	231992			0.00- 69.37	19.02
11.453	11.453 (0.826)	41	235047			0.00- 70.94	19.27
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.834)	96	414431	25.0000	26.993	50.00- 150.00	100.00
11.535	11.535 (0.832)	61	585305			84.61- 184.61	141.23
11.563	11.563 (0.834)	98	264190			15.85- 115.85	63.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	604445	25.0000	28.356	50.00- 150.00	100.00
11.895	11.895 (0.858)	43	360648			8.15- 108.15	59.67
11.895	11.895 (0.858)	86	111423			0.00- 69.59	18.43
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.892)	86	102274	25.0000	26.887	50.00- 150.00	100.00
12.365	12.365 (0.892)	43	915962			903.58-1003.58	895.60
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	752830	25.0000	28.114	50.00- 150.00	100.00
12.365	12.365 (0.892)	65	250044			0.00- 83.37	33.21
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	202976	25.0000	28.636	50.00- 150.00	100.00
13.388	13.388 (0.966)	43	668188			271.22- 371.22	329.20
13.388	13.388 (0.966)	57	61553			0.00- 78.78	30.33
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	526682	25.0000	28.006	50.00- 150.00	100.00
13.416	13.416 (0.968)	96	418137			29.23- 129.23	79.39
13.416	13.416 (0.968)	98	270287			0.16- 100.16	51.32
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	335559	25.0000	29.708	50.00- 150.00	100.00
13.858	13.858 (1.000)	71	172932			0.61- 100.61	51.54
13.858	13.858 (1.000)	72	189306			8.31- 108.31	56.42
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	964655	25.0000	30.787	50.00- 150.00	100.00
13.941	13.941 (1.006)	85	628295			18.46- 118.46	65.13
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	1074336	25.0000	28.632	50.00- 150.00	100.00
14.273	14.273 (1.030)	99	705682			13.89- 113.89	65.69
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.032)	84	544905	25.0000	28.455	50.00- 150.00	100.00
14.300	14.300 (1.032)	56	526173			43.75- 143.75	96.56
14.300	14.300 (1.032)	41	279845			1.66- 101.66	51.36
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.050)	119	1067846	25.0000	29.218	50.00- 150.00	100.00
14.549	14.549 (1.050)	117	1131591			54.19- 154.19	105.97
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	1244709	25.0000	27.870	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
14.964	14.964 (0.958)	77	283061			0.00- 73.32	22.74
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.881	14.881 (1.074)	57	1595612	25.0000	29.880	50.00- 150.00	100.00
14.881	14.881 (1.074)	56	531006			0.00- 83.27	33.28
14.881	14.881 (1.074)	41	418578			0.00- 77.74	26.23
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.075	15.075 (0.965)	62	618232	25.0000	27.713	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	201769			0.00- 82.87	32.64
	94 Heptane				CAS #: 142-82-5		
15.185	15.185 (0.972)	71	397338	25.0000	28.007	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	526730			77.61- 177.61	132.56
15.185	15.185 (0.972)	57	318773			32.99- 132.99	80.23
	101 Trichloroethene				CAS #: 79-01-6		
16.070	16.070 (1.028)	95	576180	25.0000	27.920	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	544641			45.55- 145.55	94.53
16.070	16.070 (1.028)	97	367300			15.22- 115.22	63.75
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.568	16.568 (1.060)	63	414149	25.0000	27.750	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	295902			23.00- 123.00	71.45
16.568	16.568 (1.060)	41	228890			8.64- 108.64	55.27
	106 1,4-Dioxane				CAS #: 123-91-1		
16.706	16.706 (1.069)	88	286469	25.0000	24.204	50.00- 150.00	100.00
16.678	16.678 (1.067)	58	164984			5.85- 105.85	57.59
16.678	16.678 (1.067)	57	59526			0.00- 69.86	20.78
	107 Bromodichloromethane				CAS #: 75-27-4		
16.982	16.982 (1.087)	83	1001845	25.0000	27.910	50.00- 150.00	100.00
16.982	16.982 (1.087)	85	648554			16.51- 116.51	64.74
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	672636	25.0000	27.984	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	217801			0.00- 83.76	32.38
17.784	17.784 (1.138)	39	287212			0.00- 94.73	42.70
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.978	17.978 (1.150)	58	306334	25.0000	28.011	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	691978			168.02- 268.02	225.89
17.978	17.978 (1.150)	85	164591			2.69- 102.69	53.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	1463921	25.0000	27.173	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	887473			9.70- 109.70	60.62
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	748647	25.0000	28.644	50.00- 150.00	100.00
18.752	18.752 (0.902)	77	239049			0.00- 82.23	31.93
18.752	18.752 (0.902)	39	292488			0.00- 88.37	39.07
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	560236	25.0000	29.552	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	345266			15.96- 115.96	61.63
19.111	19.111 (0.919)	83	458453			36.03- 136.03	81.83
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	766575	25.0000	29.013	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	552392			20.82- 120.82	72.06
19.277	19.277 (0.927)	131	524021			18.42- 118.42	68.36
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	417787	25.0000	26.919	50.00- 150.00	100.00
19.416	19.416 (0.934)	43	676979			120.66- 220.66	162.04
19.416	19.416 (0.934)	100	94866			0.00- 74.50	22.71
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	986119	25.0000	29.592	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	762924			25.33- 125.33	77.37
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.051 (0.964)	107	908821	25.0000	28.495	50.00- 150.00	100.00
20.051	20.051 (0.964)	109	856430			41.12- 141.12	94.24
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	1300699	25.0000	28.249	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	417951			0.00- 80.99	32.13
20.853	20.853 (1.003)	77	766059			25.73- 125.73	58.90
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	674031	25.0000	28.904	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	2119576			266.56- 366.56	314.46
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	847060	25.0000	29.531	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	1673192			157.11- 257.11	197.53
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	796134	25.0000	29.548	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	1653816			166.77- 266.77	207.73
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	1286469	25.0000	29.464	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	644076			12.82- 112.82	50.07
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	993176	25.0000	28.590	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	512772			0.34- 100.34	51.63
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	2209535	25.0000	28.690	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	577492			0.00- 74.52	26.14
22.429	22.429 (1.078)	51	170049			51.79- 151.79	7.70
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	1185275	25.0000	28.068	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	777360			17.66- 117.66	65.58
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	2769679	25.0000	28.435	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	622533			0.00- 71.52	22.48
23.121	23.121 (1.112)	105	99520			0.00- 53.54	3.59
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	2388998	25.0000	29.120	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	711885			0.00- 79.85	29.80
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	1948520	25.0000	29.185	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	951484			0.29- 100.29	48.83
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	1796520	25.0000	28.912	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	838259			0.00- 94.69	46.66
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1274193	25.0000	27.095	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	815817			14.61- 114.61	64.03
24.586	24.586 (1.182)	111	534889			0.00- 92.01	41.98
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	1308673	25.0000	26.782	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	836466			13.83- 113.83	63.92
24.724	24.724 (1.189)	111	530820			0.00- 89.75	40.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	1803467	25.0000	26.672	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	354583			0.00- 69.65	19.66
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1201698	25.0000	26.648	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	775882			14.36- 114.36	64.57
25.360	25.360 (1.219)	111	524362			0.00- 92.81	43.64
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	596437	25.0000	19.282	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	570634			45.41- 145.41	95.67
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	582849	25.0000	20.644	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	367468			13.46- 113.46	63.05
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.491)	58	67972	25.0000	26.995	50.00- 150.00	100.00
6.807	6.807 (0.491)	43	480139			640.46- 740.46	706.38
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	378518	25.0000	26.697	50.00- 150.00	100.00
8.273	8.273 (0.597)	57	287062			26.79- 126.79	75.84
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.180)	83	707748	25.0000	29.146	50.00- 150.00	100.00
16.346	16.346 (1.180)	98	325087			0.00- 95.49	45.93
16.346	16.346 (1.180)	55	477451			16.76- 116.76	67.46
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	914156	25.0000	17.930	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	112682			0.00- 62.56	12.33

Report Date: 14-Dec-2007 10:41

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121313.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	259446	-7.59
97 1,4-Difluorobenze	1182601	709561	1655641	1118582	-5.41
126 Chlorobenzene-d5	1033655	620193	1447117	965763	-6.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

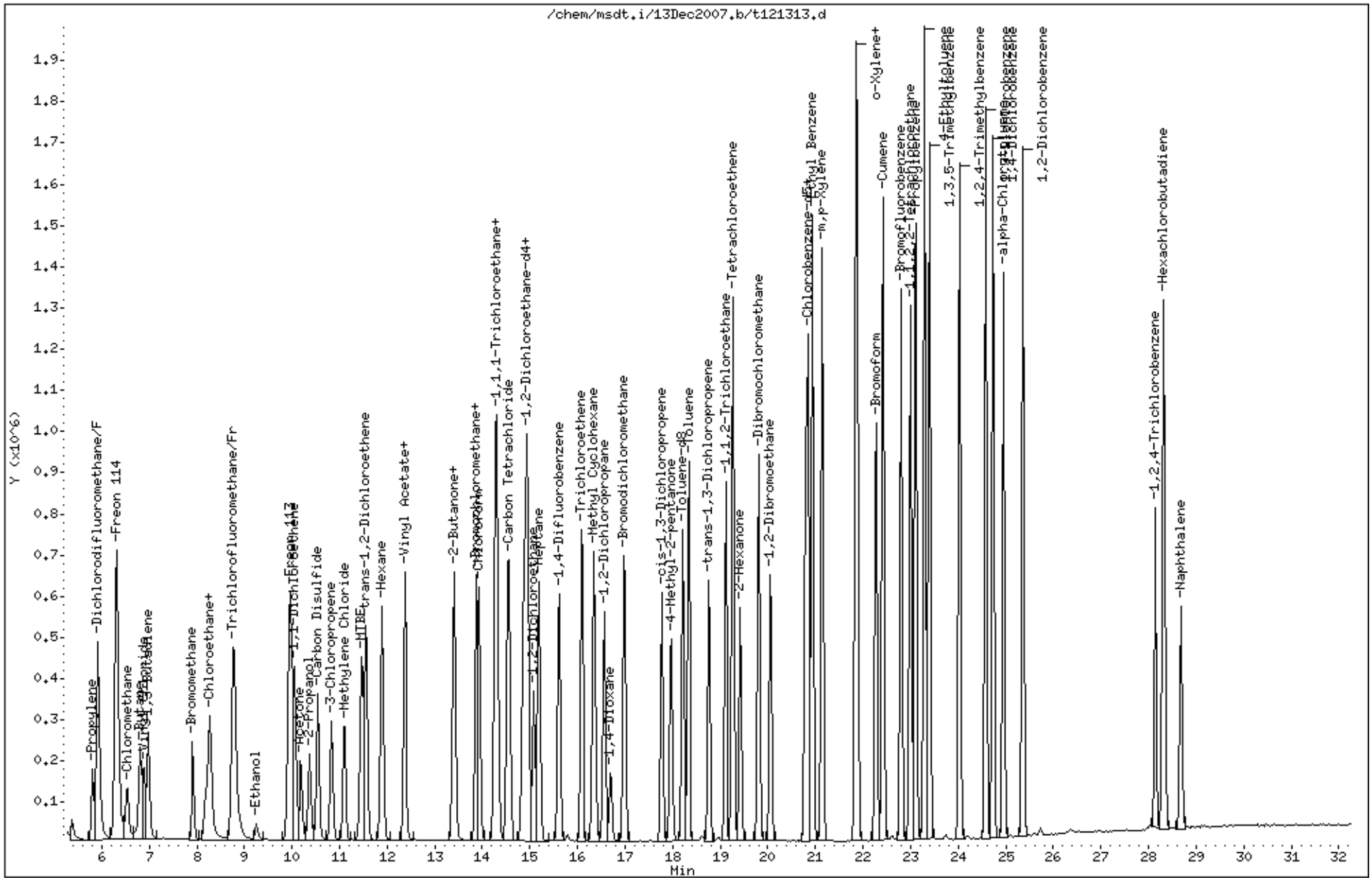
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0130

Data File: /chem/msdt.i/13Dec2007.b/t121313.d
Date : 14-DEC-2007 00:40
Client ID: Level 4
Sample Info: 25mL #1443-378

Instrument: msdt.i
Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Jan2008.b/t010204.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 02-JAN-2008 12:02
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1443-399
Misc Info : 200ppbv -> 50ppbv (300ppbv MeOH)
Comment :
Method : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Meth Date : 02-Jan-2008 15:47 sruth Quant Type: ISTD
Cal Date : 02-JAN-2008 12:02 Cal File: t010204.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	338913	25.0000		80.00- 120.00	100.00
13.865	13.865 (1.000)	128	254032			24.95- 124.95	74.95
13.865	13.865 (1.000)	49	382548			62.87- 162.87	112.87
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1251078	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	204292			0.00- 66.33	16.33
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1269166	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	718652			5.77- 105.77	56.62
6 Freon142b					CAS #: 75-68-3		
6.408	6.408 (0.462)	65	2396168	50.0000	54.714	80.00- 120.00	100.00
6.408	6.408 (0.462)	45	473169			0.00- 71.17	19.75
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	2122581	50.0000	49.387	80.00- 120.00	100.00(H)
5.394	5.394 (0.389)	85	737984			0.00- 83.23	34.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.394	5.394 (0.389)	87	233951			0.00- 60.80	11.02
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	1027420	50.0000	53.055	80.00- 120.00	100.00
5.675	5.675 (0.409)	69	796196			29.59- 129.59	77.49
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	484736	50.0000	47.000	80.00- 120.00	100.00
5.844	5.844 (0.422)	51	840680			125.61- 225.61	173.43
5.844	5.844 (0.422)	47	216912			0.00- 95.62	44.75
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	271635	50.0000	51.256	80.00- 120.00	100.00
5.985	5.985 (0.432)	51	1294835			424.04- 524.04	476.68
5.985	5.985 (0.432)	85	24008			0.00- 60.14	8.84
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	1157692	300.000	264.08	80.00- 120.00	100.00
7.534	7.534 (0.543)	32	943528			31.50- 131.50	81.50
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	1779732	50.0000	52.407	80.00- 120.00	100.00
8.717	8.717 (0.629)	69	587706			0.00- 82.55	33.02
8.717	8.717 (0.629)	35	100429			0.00- 55.68	5.64
40 Freon123a					CAS #: 354-23-4		
9.580	9.580 (0.691)	67	1457554	50.0000	55.496	80.00- 120.00	100.00
9.580	9.580 (0.691)	117	1237895			33.27- 133.27	84.93
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	1972873	50.0000	54.702	80.00- 120.00	100.00
9.718	9.718 (0.701)	133	430326			0.00- 72.56	21.81
9.718	9.718 (0.701)	85	1387787			21.04- 121.04	70.34
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.156	11.156 (0.805)	59	2022367	50.0000	62.565	80.00- 120.00	100.00
11.156	11.156 (0.805)	41	442486			0.00- 79.32	21.88
11.156	11.156 (0.805)	57	215102			0.00- 60.92	10.64
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	2709742	50.0000	55.545	80.00- 120.00	100.00
12.289	12.289 (0.886)	87	834732			0.00- 81.01	30.80
12.289	12.289 (0.886)	59	286378			0.00- 61.81	10.57
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	179265	50.0000	55.970	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.400	12.400 (0.894)	59	244040			61.64- 161.64	136.13
12.400	12.400 (0.894)	41	156800			40.91- 140.91	87.47
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	3012445	50.0000	56.547	80.00- 120.00	100.00
12.925	12.925 (0.932)	87	1332920			0.00- 93.11	44.25
12.925	12.925 (0.932)	41	537994			0.00- 70.41	17.86
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	303435	50.0000	54.942	80.00- 120.00	100.00
13.395	13.395 (0.966)	61	326819			49.68- 149.68	107.71
13.395	13.395 (0.966)	43	2106113			615.05- 715.05	694.09
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	2778392	50.0000	57.159	80.00- 120.00	100.00
14.999	14.999 (1.082)	87	692542			0.00- 74.91	24.93
14.999	14.999 (1.082)	55	692160			0.00- 76.64	24.91
96 2-Heptanone					CAS #: 110-43-0		
21.967	21.967 (1.584)	58	1696491	50.0000	62.136	80.00- 120.00	100.00
21.967	21.967 (1.584)	43	2407439			98.27- 198.27	141.91
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	562340	50.0000	60.086	80.00- 120.00	100.00
15.801	15.801 (1.011)	41	382171			28.59- 128.59	67.96
15.801	15.801 (1.011)	43	290179			6.69- 106.69	51.60
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	1045491	50.0000	59.312	80.00- 120.00	100.00
19.533	19.533 (1.249)	73	426525			0.00- 90.80	40.80
19.533	19.533 (1.249)	43	2329735			172.84- 272.84	222.84
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	1273954	50.0000	60.235	80.00- 120.00	100.00
22.741	22.741 (1.093)	98	677426			2.09- 102.09	53.18
22.741	22.741 (1.093)	42	839599			15.79- 115.79	65.90
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	3113179	50.0000	60.792	80.00- 120.00	100.00
23.570	23.570 (1.133)	85	2973314			45.51- 145.51	95.51
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

H - Operator selected an alternate compound hit.

Report Date: 02-Jan-2008 15:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t010204.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Calibration Date: 02-JAN-2008
Calibration Time: 12:02
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR
Method File: /chem/msdt.i/02Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 50ppbv (300ppbv MeOH)

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	338913	203348	474478	338913	0.00
97 1,4-Difluorobenze	1251078	750647	1751509	1251078	0.00
126 Chlorobenzene-d5	1269166	761500	1776832	1269166	0.00

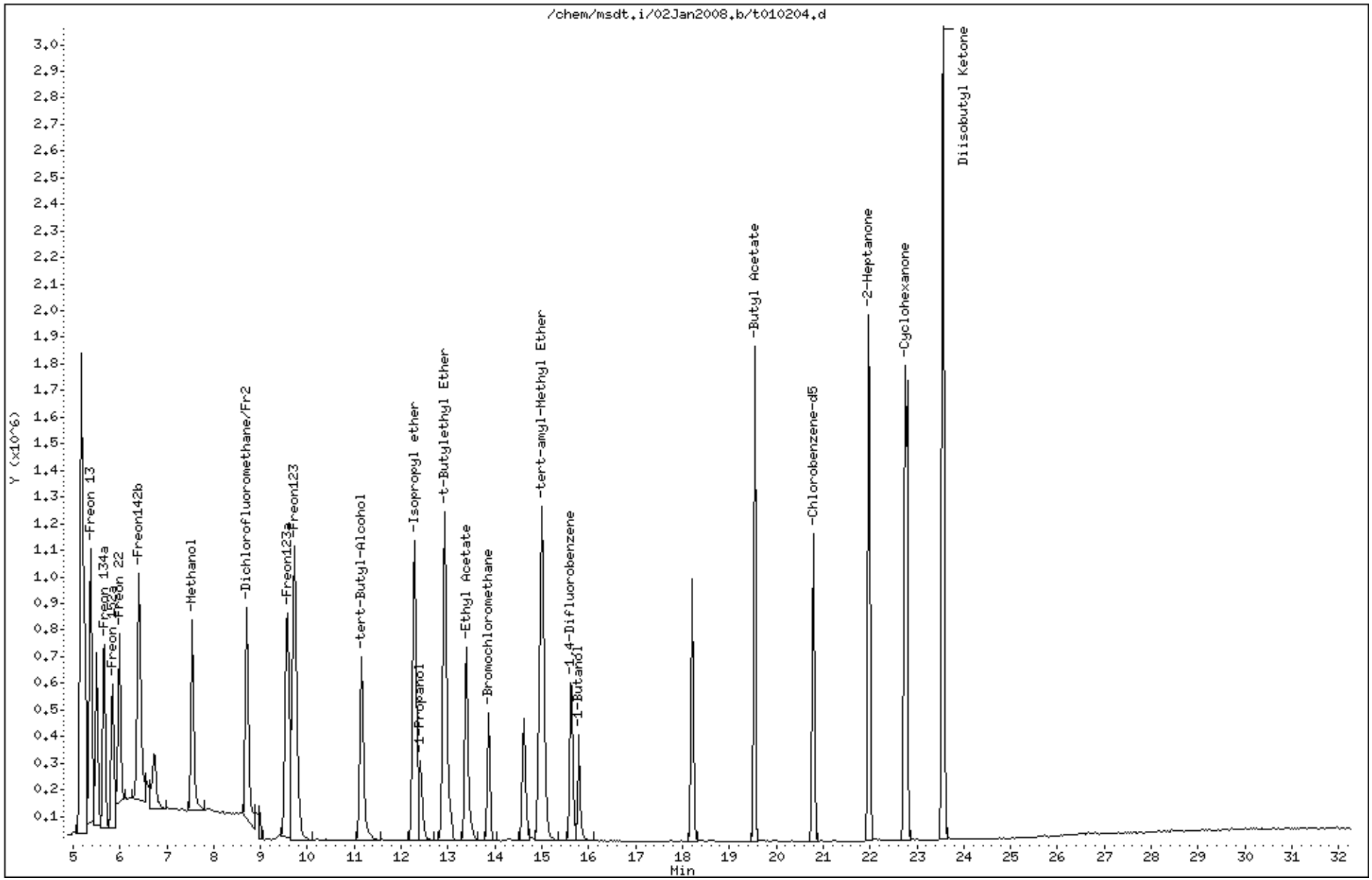
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/02Jan2008.b/t010204.d
Date : 02-JAN-2008 12:02
Client ID: Level 5
Sample Info: 50ml #1443-399

Instrument: msdt.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



0136

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Dec2007.b/t121903.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 19-DEC-2007 11:12
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1443-388
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/19Dec2007.b/t14q1213b.m
Meth Date : 19-Dec-2007 12:55 sruth Quant Type: ISTD
Cal Date : 19-DEC-2007 11:12 Cal File: t121903.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane						CAS #: 74-97-5	
13.865	13.865 (1.000)	130	204685	25.0000		80.00- 120.00	100.00
13.865	13.865 (1.000)	128	158127			27.25- 127.25	77.25
13.865	13.865 (1.000)	49	250268			72.27- 172.27	122.27
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
15.635	15.635 (1.000)	114	866754	25.0000		80.00- 120.00	100.00
15.607	15.607 (1.000)	88	138874			0.00- 66.02	16.02
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
20.805	20.805 (1.000)	117	784408	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	459725			6.00- 106.00	58.61
199 Vinyl Fluoride						CAS #: 75-02-5	
5.563	5.563 (0.401)	46	313536	50.0000	57.248	80.00- 120.00	100.00
5.563	5.563 (0.401)	45	220658			20.20- 120.20	70.38
5.563	5.563 (0.401)	47	7196			0.00- 52.23	2.30

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121903.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/19Dec2007.b/t14q1213b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 19-DEC-2007
Calibration Time: 11:12
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	204685	122811	286559	204685	0.00
97 1,4-Difluorobenze	866754	520052	1213456	866754	0.00
126 Chlorobenzene-d5	784408	470645	1098171	784408	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/19Dec2007.b/t121903.d

Date : 19-DEC-2007 11:12

Client ID: Level 5

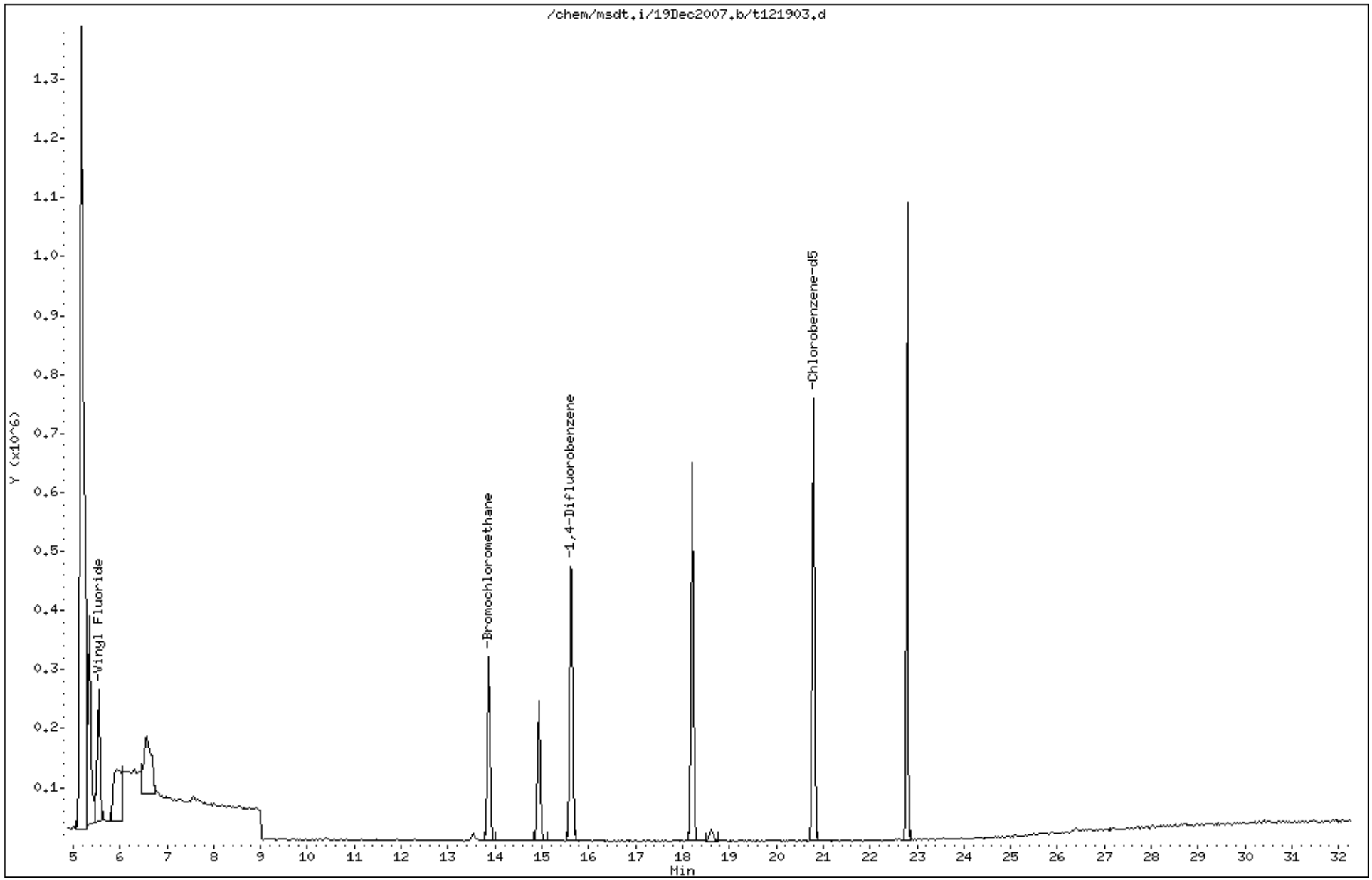
Sample Info: 50ml #1443-388

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121314.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 14-DEC-2007 01:23
Operator : ab Inst ID: msdt.i
Smp Info : 50mL #1443-378
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:41 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 01:23 Cal File: t121314.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
13.858	13.858 (1.000)	130	280754	25.0000		80.00- 120.00		100.00
13.858	13.858 (1.000)	128	216293			27.04- 127.04		77.04
13.858	13.858 (1.000)	49	441722			107.33- 207.33		157.33
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.627	15.627 (1.000)	114	1182601	25.0000		80.00- 120.00		100.00
15.627	15.627 (1.000)	88	189706			0.00- 66.04		16.04
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	1033655	25.0000		80.00- 120.00		100.00
20.798	20.798 (1.000)	82	580729			5.33- 105.33		56.18
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.936	14.936 (1.078)	65	474779	25.0000	26.560	80.00- 120.00		100.00
14.936	14.936 (1.078)	67	263656			3.93- 103.93		55.53
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.199	18.199 (1.165)	98	1112825	25.0000	24.806	80.00- 120.00		100.00
18.199	18.199 (1.165)	70	121364			0.00- 61.06		10.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	762411			18.52- 118.52	68.51
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	701844	25.0000	24.756	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	870075			73.97- 173.97	123.97
22.789	22.789 (1.096)	176	675526			46.25- 146.25	96.25
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	367115	50.0000	48.960	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	251333			17.44- 117.44	68.46
5.812	5.812 (0.419)	39	292684			31.05- 131.05	79.73
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.922	5.922 (0.427)	85	2514370	50.0000	51.133	80.00- 120.00	100.00
5.922	5.922 (0.427)	87	809335			0.00- 82.50	32.19
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.455)	135	1748803	50.0000	54.401	80.00- 120.00	100.00
6.310	6.310 (0.455)	137	560038			0.00- 81.78	32.02
18 Chloromethane					CAS #: 74-87-3		
6.558	6.558 (0.473)	50	496205	50.0000	46.652	80.00- 120.00	100.00
6.558	6.558 (0.473)	52	164249			0.00- 83.59	33.10
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.497)	62	704576	50.0000	52.962	80.00- 120.00	100.00
6.890	6.890 (0.497)	64	224540			0.00- 94.54	31.87
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.503)	54	569340	50.0000	54.824	80.00- 120.00	100.00
6.973	6.973 (0.503)	39	539956			61.08- 161.08	94.84
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.571)	94	728362	50.0000	51.699	80.00- 120.00	100.00
7.913	7.913 (0.571)	96	673434			42.46- 142.46	92.46
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.591)	64	387152	50.0000	54.539	80.00- 120.00	100.00
8.190	8.190 (0.591)	49	98158			0.00- 76.61	25.35
8.190	8.190 (0.591)	66	126925			0.00- 85.87	32.78
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.770	8.770 (0.633)	101	2998989	50.0000	54.559	80.00- 120.00	100.00
8.798	8.798 (0.635)	103	1933148			14.46- 114.46	64.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.240	9.240 (0.667)	45	201828	50.0000	54.138	80.00- 120.00	100.00
9.240	9.240 (0.667)	43	47423			0.00- 74.87	23.50
9.240	9.240 (0.667)	46	71873			0.00- 88.05	35.61
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.719)	151	1297474	50.0000	52.447	80.00- 120.00	100.00
9.959	9.959 (0.719)	153	825911			13.66- 113.66	63.66
9.959	9.959 (0.719)	101	1700298			81.05- 181.05	131.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.725)	61	1175169	50.0000	54.196	80.00- 120.00	100.00
10.042	10.042 (0.725)	96	727601			11.91- 111.91	61.91
10.042	10.042 (0.725)	98	478832			0.00- 90.75	40.75
45 Acetone					CAS #: 67-64-1		
10.180	10.180 (0.735)	58	356154	50.0000	52.901	80.00- 120.00	100.00
10.180	10.180 (0.735)	43	1090436			264.94- 364.94	306.17
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	1214761	50.0000	54.468	80.00- 120.00	100.00
10.374	10.374 (0.749)	43	305977			0.00- 78.96	25.19
10.374	10.374 (0.749)	59	52752			0.00- 54.05	4.34
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	2199066	50.0000	53.192	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.816	10.816 (0.781)	76	375694	50.0000	53.245	80.00- 120.00	100.00
10.816	10.816 (0.781)	41	814899			176.05- 276.05	216.90
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.802)	49	695817	50.0000	50.816	80.00- 120.00	100.00
11.121	11.121 (0.802)	84	650464			43.48- 143.48	93.48
11.093	11.093 (0.800)	51	210009			0.00- 83.78	30.18
60 MTBE					CAS #: 1634-04-4		
11.452	11.452 (0.826)	73	2631922	50.0000	57.345	80.00- 120.00	100.00
11.452	11.452 (0.826)	57	489079			0.00- 68.58	18.58
11.452	11.452 (0.826)	41	474112			0.00- 70.94	18.01
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.834)	96	902306	50.0000	54.310	80.00- 120.00	100.00
11.535	11.535 (0.832)	61	1235705			86.95- 186.95	136.95
11.563	11.563 (0.834)	98	585255			15.85- 115.85	64.86

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	1310950	50.0000	56.832	80.00- 120.00	100.00
11.895	11.895 (0.858)	43	750630			8.15- 108.15	57.26
11.895	11.895 (0.858)	86	247373			0.00- 69.59	18.87
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.892)	86	237177	50.0000	57.619	80.00- 120.00	100.00
12.365	12.365 (0.892)	43	2061006			903.58-1003.58	868.97
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	1636313	50.0000	56.469	80.00- 120.00	100.00
12.365	12.365 (0.892)	65	532741			0.00- 82.56	32.56
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	459184	50.0000	59.866	80.00- 120.00	100.00
13.388	13.388 (0.966)	43	1459792			267.91- 367.91	317.91
13.388	13.388 (0.966)	57	130061			0.00- 78.78	28.32
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.415	13.415 (0.968)	61	1124304	50.0000	55.246	80.00- 120.00	100.00
13.415	13.415 (0.968)	96	922567			32.06- 132.06	82.06
13.415	13.415 (0.968)	98	585970			2.12- 102.12	52.12
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	719446	50.0000	58.860	80.00- 120.00	100.00
13.858	13.858 (1.000)	71	399206			5.49- 105.49	55.49
13.858	13.858 (1.000)	72	426036			8.31- 108.31	59.22
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	2034581	50.0000	60.006	80.00- 120.00	100.00
13.941	13.941 (1.006)	85	1333960			15.56- 115.56	65.56
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	2242211	50.0000	55.221	80.00- 120.00	100.00
14.273	14.273 (1.030)	99	1441590			14.29- 114.29	64.29
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.032)	84	1194512	50.0000	57.644	80.00- 120.00	100.00
14.300	14.300 (1.032)	56	1127927			44.43- 144.43	94.43
14.300	14.300 (1.032)	41	578614			0.00- 98.44	48.44
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.050)	119	2198342	50.0000	55.586	80.00- 120.00	100.00
14.549	14.549 (1.050)	117	2336314			56.28- 156.28	106.28
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	2635930	50.0000	55.825	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
14.964	14.964 (0.958)	77	593809			0.00- 73.32	22.53
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.881	14.881 (1.074)	57	3325101	50.0000	57.541	80.00- 120.00	100.00
14.881	14.881 (1.074)	56	1059732			0.00- 83.27	31.87
14.881	14.881 (1.074)	41	831921			0.00- 77.74	25.02
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.074	15.074 (0.965)	62	1286496	50.0000	54.547	80.00- 120.00	100.00
15.074	15.074 (0.965)	64	417784			0.00- 82.87	32.47
	94 Heptane				CAS #: 142-82-5		
15.185	15.185 (0.972)	71	854877	50.0000	56.996	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1093335			77.61- 177.61	127.89
15.185	15.185 (0.972)	57	666503			32.99- 132.99	77.96
	101 Trichloroethene				CAS #: 79-01-6		
16.070	16.070 (1.028)	95	1194942	50.0000	54.769	80.00- 120.00	100.00
16.097	16.097 (1.030)	130	1138948			45.31- 145.31	95.31
16.070	16.070 (1.028)	97	767823			14.26- 114.26	64.26
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.567	16.567 (1.060)	63	887372	50.0000	56.239	80.00- 120.00	100.00
16.567	16.567 (1.060)	62	630220			21.02- 121.02	71.02
16.567	16.567 (1.060)	41	472758			3.28- 103.28	53.28
	106 1,4-Dioxane				CAS #: 123-91-1		
16.706	16.706 (1.069)	88	652676	50.0000	52.160	80.00- 120.00	100.00
16.678	16.678 (1.067)	58	358152			4.87- 104.87	54.87
16.678	16.678 (1.067)	57	124748			0.00- 69.86	19.11
	107 Bromodichloromethane				CAS #: 75-27-4		
16.982	16.982 (1.087)	83	2108983	50.0000	55.573	80.00- 120.00	100.00
16.982	16.982 (1.087)	85	1368522			14.89- 114.89	64.89
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1456319	50.0000	57.309	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	468364			0.00- 82.16	32.16
17.784	17.784 (1.138)	39	603250			0.00- 91.42	41.42
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.978	17.978 (1.150)	58	685682	50.0000	59.304	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	1495261			168.02- 268.02	218.07
17.978	17.978 (1.150)	85	362745			2.69- 102.69	52.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	3082954	50.0000	54.127	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	1881001			11.01- 111.01	61.01
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	1625459	50.0000	58.107	80.00- 120.00	100.00
18.752	18.752 (0.902)	77	512060			0.00- 81.50	31.50
18.752	18.752 (0.902)	39	623130			0.00- 88.34	38.34
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1168508	50.0000	57.588	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	733041			12.73- 112.73	62.73
19.111	19.111 (0.919)	83	970540			33.06- 133.06	83.06
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1583839	50.0000	56.008	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1111891			20.20- 120.20	70.20
19.277	19.277 (0.927)	131	1056147			16.68- 116.68	66.68
121 2-Hexanone					CAS #: 591-78-6		
19.415	19.415 (0.934)	58	945435	50.0000	56.916	80.00- 120.00	100.00
19.415	19.415 (0.934)	43	1556583			114.64- 214.64	164.64
19.415	19.415 (0.934)	100	216547			0.00- 74.50	22.90
122 Dibromochloromethane					CAS #: 124-48-1		
19.802	19.802 (0.952)	129	2074833	50.0000	58.173	80.00- 120.00	100.00
19.802	19.802 (0.952)	127	1594727			25.33- 125.33	76.86
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.051 (0.964)	107	1948890	50.0000	57.092	80.00- 120.00	100.00
20.051	20.051 (0.964)	109	1807854			42.76- 142.76	92.76
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2708027	50.0000	54.951	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	854936			0.00- 81.57	31.57
20.853	20.853 (1.003)	77	1608685			9.40- 109.40	59.40
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1433357	50.0000	57.429	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	4507460			266.56- 366.56	314.47
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	1811619	50.0000	59.010	80.00- 120.00	100.00
21.130	21.130 (1.016)	91	3573510			157.11- 257.11	197.26
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1697530	50.0000	58.865	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	3528058			157.83- 257.83	207.83
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	2769832	50.0000	59.270	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1391335			0.23- 100.23	50.23
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2137893	50.0000	57.500	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1089642			0.97- 100.97	50.97
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	4745185	50.0000	57.567	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	1246050			0.00- 74.52	26.26
22.429	22.429 (1.078)	51	367539			51.79- 151.79	7.75
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2561833	50.0000	56.682	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1662931			14.91- 114.91	64.91
142 Propylbenzene					CAS #: 103-65-1		
23.120	23.120 (1.112)	91	5915902	50.0000	56.746	80.00- 120.00	100.00
23.120	23.120 (1.112)	120	1310417			0.00- 71.52	22.15
23.120	23.120 (1.112)	105	204977			0.00- 53.54	3.46
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	5122208	50.0000	58.336	80.00- 120.00	100.00
23.286	23.286 (1.120)	120	1542902			0.00- 80.12	30.12
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	4213554	50.0000	58.966	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	2054847			0.29- 100.29	48.77
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	3968857	50.0000	59.676	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1804573			0.00- 94.69	45.47
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	2794714	50.0000	55.524	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	1792584			14.61- 114.61	64.14
24.586	24.586 (1.182)	111	1172086			0.00- 92.01	41.94
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	2898614	50.0000	55.424	80.00- 120.00	100.00
24.724	24.724 (1.189)	148	1859249			13.83- 113.83	64.14
24.724	24.724 (1.189)	111	1169424			0.00- 89.75	40.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	4266491	50.0000	58.955	80.00- 120.00	100.00
24.945	24.945 (1.199)	126	813802			0.00- 69.65	19.07
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	2704352	50.0000	56.031	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	1717775			13.52- 113.52	63.52
25.360	25.360 (1.219)	111	1172197			0.00- 93.34	43.34
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	1899522	50.0000	57.376	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	1802315			44.88- 144.88	94.88
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.318	28.318 (1.362)	225	1636693	50.0000	54.164	80.00- 120.00	100.00
28.318	28.318 (1.362)	223	1020467			13.46- 113.46	62.35
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.491)	58	145628	50.0000	53.447	80.00- 120.00	100.00
6.807	6.807 (0.491)	43	991608			640.46- 740.46	680.92
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	786861	50.0000	51.285	80.00- 120.00	100.00
8.273	8.273 (0.597)	57	622373			26.79- 126.79	79.10
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.180)	83	1505024	50.0000	57.275	80.00- 120.00	100.00
16.346	16.346 (1.180)	98	693672			0.00- 95.49	46.09
16.346	16.346 (1.180)	55	981217			16.76- 116.76	65.20
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	3254088	50.0000	59.631	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	395691			0.00- 62.56	12.16

Report Date: 14-Dec-2007 10:41

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121314.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	280754	0.00
97 1,4-Difluorobenze	1182601	709561	1655641	1182601	0.00
126 Chlorobenzene-d5	1033655	620193	1447117	1033655	0.00

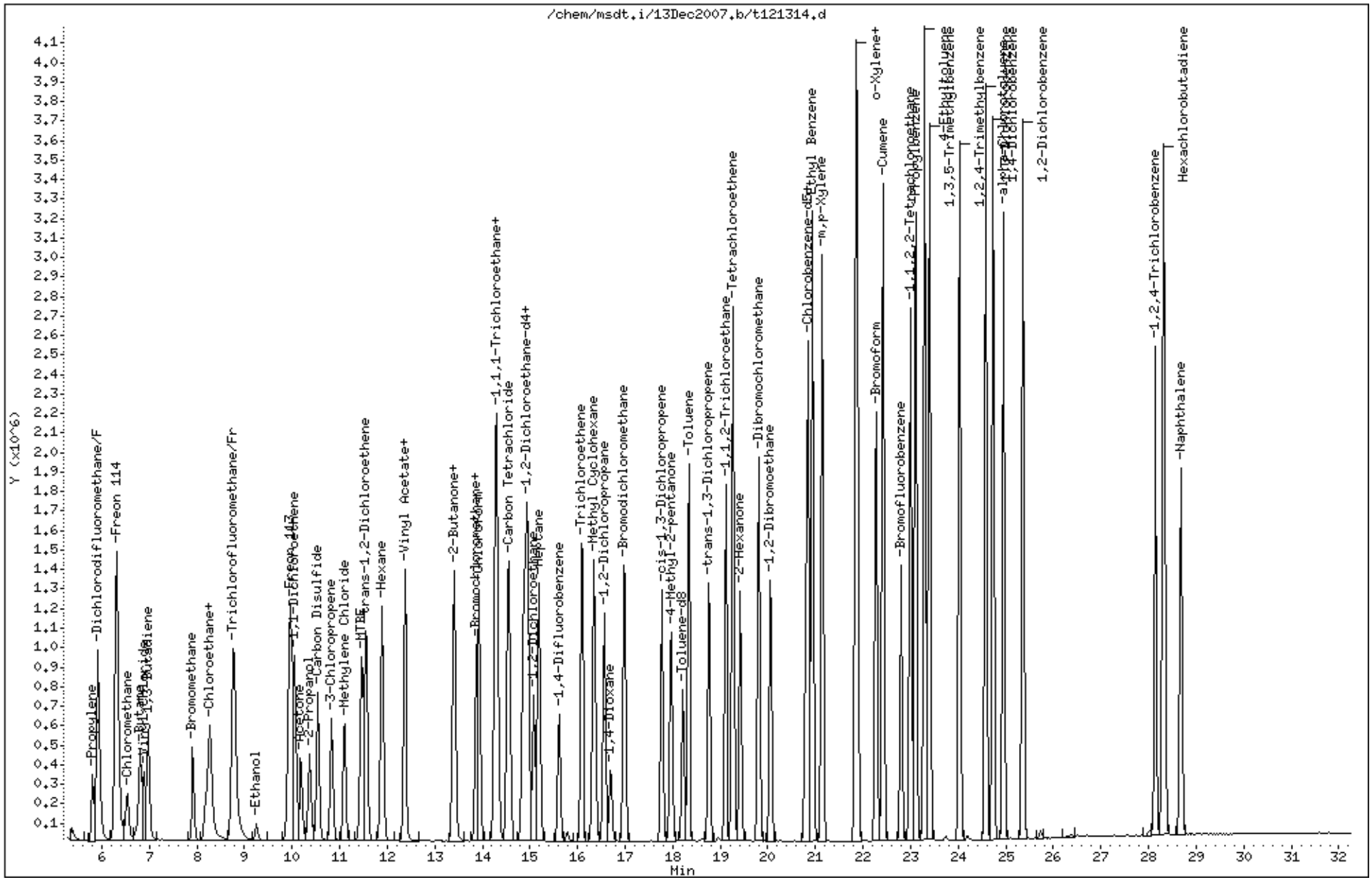
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/13Dec2007.b/t121314.d
Date : 14-DEC-2007 01:23
Client ID: Level 5
Sample Info: 50mL #1443-378

Instrument: msdt.i
Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121315.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 14-DEC-2007 02:20
Operator : ab Inst ID: msdt.i
Smp Info : 100mL #1443-378
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 10:41 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 02:20 Cal File: t121315.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	285950	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	220525			26.73- 126.73	77.12
13.858	13.858 (1.000)	49	561636			83.94- 183.94	196.41
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1189157	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	192374			0.00- 65.84	16.18
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1095777	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	594512			5.33- 105.33	54.25
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	457177	25.0000	25.111	50.00- 150.00	100.00
14.936	14.936 (1.076)	67	290358			3.93- 103.93	63.51
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1151984	25.0000	25.537	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	124410			0.00- 61.06	10.80

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	783583			18.52- 118.52	68.02
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	740649	25.0000	24.644	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	928797			74.37- 174.37	125.40
22.789	22.789 (1.096)	176	729017			47.63- 147.63	98.43
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	724191	100.000	94.827	50.00- 150.00	100.00
5.840	5.840 (0.421)	42	516660			17.44- 117.44	71.34
5.840	5.840 (0.421)	39	598885			31.05- 131.05	82.70
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	5066727	100.000	101.17	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	1632077			0.00- 82.50	32.21
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	3501493	100.000	106.94	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	1118965			0.00- 81.78	31.96
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	1079673	100.000	99.664	50.00- 150.00	100.00
6.559	6.559 (0.472)	52	355741			0.00- 83.59	32.95
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	1472383	100.000	108.66	50.00- 150.00	100.00
6.890	6.890 (0.496)	64	463707			0.00- 94.54	31.49
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	1138899	100.000	107.68	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	1068848			61.08- 161.08	93.85
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	1543838	100.000	107.59	50.00- 150.00	100.00
7.941	7.941 (0.572)	96	1447987			44.93- 144.93	93.79
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	792816	100.000	109.66	50.00- 150.00	100.00
8.190	8.190 (0.590)	49	199260			0.00- 76.61	25.13
8.190	8.190 (0.590)	66	263973			0.00- 85.87	33.30
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	5908446	100.000	105.54	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	3829839			15.72- 115.72	64.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.665)	45	399210	100.000	105.14	50.00- 150.00	100.00
9.241	9.241 (0.665)	43	93829			0.00- 74.87	23.50
9.241	9.241 (0.665)	46	147777			0.00- 88.05	37.02
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	2637753	100.000	104.69	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	1670440			15.26- 115.26	63.33
9.960	9.960 (0.717)	101	3421241			81.18- 181.18	129.70
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	2405391	100.000	108.92	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	1531560			16.16- 116.16	63.67
10.042	10.042 (0.723)	98	983285			0.00- 91.50	40.88
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	682138	100.000	99.480	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	2077971			264.94- 364.94	304.63
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	2347871	100.000	103.36	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	545939			0.00- 78.96	23.25
10.374	10.374 (0.747)	59	100787			0.00- 54.05	4.29
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	4617349	100.000	109.66	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	769367	100.000	107.06	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	1586728			176.05- 276.05	206.24
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1356272	100.000	97.250	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	1323374			44.80- 144.80	97.57
11.121	11.121 (0.801)	51	436381			0.00- 83.78	32.18
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	5299544	100.000	113.37	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	975878			0.00- 69.37	18.41
11.453	11.453 (0.825)	41	906604			0.00- 70.94	17.11
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1814819	100.000	107.25	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	2417703			84.61- 184.61	133.22
11.563	11.563 (0.833)	98	1166471			15.85- 115.85	64.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	2616166	100.000	111.35	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	1438222			8.15- 108.15	54.97
11.895	11.895 (0.857)	86	492697			0.00- 69.59	18.83
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	470953	100.000	112.33	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	4009258			903.58-1003.58	851.31
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	3215973	100.000	108.97	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	1034766			0.00- 83.37	32.18
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	917876	100.000	117.49	50.00- 150.00	100.00
13.388	13.388 (0.964)	43	2834828			271.22- 371.22	308.85
13.388	13.388 (0.964)	57	260683			0.00- 78.78	28.40
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	2157750	100.000	104.10	50.00- 150.00	100.00
13.416	13.416 (0.966)	96	1808427			29.23- 129.23	83.81
13.416	13.416 (0.966)	98	1161688			0.16- 100.16	53.84
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	1396529	100.000	112.18	50.00- 150.00	100.00
13.858	13.858 (0.998)	71	774983			0.61- 100.61	55.49
13.858	13.858 (0.998)	72	847199			8.31- 108.31	60.66
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	3949977	100.000	114.38	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	2573976			18.46- 118.46	65.16
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.028)	97	4466230	100.000	107.99	50.00- 150.00	100.00
14.273	14.273 (1.028)	99	2898803			13.89- 113.89	64.90
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	2434590	100.000	115.35	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	2279859			43.75- 143.75	93.64
14.300	14.300 (1.030)	41	1142321			1.66- 101.66	46.92
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	4331306	100.000	107.53	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	4610539			54.19- 154.19	106.45
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	5280134	100.000	111.21	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.964	14.964 (0.958)	77	1196818			0.00- 73.32	22.67
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	6656939	100.000	113.10	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	2142057			0.00- 83.27	32.18
14.881	14.881 (1.072)	41	1647005			0.00- 77.74	24.74
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	2478887	100.000	104.52	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	804644			0.00- 82.87	32.46
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1677297	100.000	111.21	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	2124729			77.61- 177.61	126.68
15.185	15.185 (0.972)	57	1333886			32.99- 132.99	79.53
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	2425463	100.000	110.56	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	2226060			45.55- 145.55	91.78
16.070	16.070 (1.028)	97	1551198			15.22- 115.22	63.95
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1758972	100.000	110.86	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	1266741			23.00- 123.00	72.02
16.568	16.568 (1.060)	41	917277			8.64- 108.64	52.15
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	1329351	100.000	105.65	50.00- 150.00	100.00
16.678	16.678 (1.067)	58	717333			5.85- 105.85	53.96
16.678	16.678 (1.067)	57	243463			0.00- 69.86	18.31
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.982 (1.087)	83	4204975	100.000	110.19	50.00- 150.00	100.00
16.982	16.982 (1.087)	85	2713802			16.51- 116.51	64.54
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	2953715	100.000	115.59	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	950984			0.00- 83.76	32.20
17.784	17.784 (1.138)	39	1202923			0.00- 94.73	40.73
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	1406724	100.000	121.00	50.00- 150.00	100.00
17.950	17.950 (1.149)	43	3070799			168.02- 268.02	218.29
17.978	17.978 (1.150)	85	739817			2.69- 102.69	52.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	6251105	100.000	109.14	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	3804780			9.70- 109.70	60.87
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	3262320	100.000	110.01	50.00- 150.00	100.00
18.752	18.752 (0.902)	77	1035660			0.00- 82.23	31.75
18.752	18.752 (0.902)	39	1217213			0.00- 88.37	37.31
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	2324244	100.000	108.05	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	1478232			15.96- 115.96	63.60
19.111	19.111 (0.919)	83	1934175			36.03- 136.03	83.22
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	3155738	100.000	105.27	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	2191062			20.82- 120.82	69.43
19.277	19.277 (0.927)	131	2092982			18.42- 118.42	66.32
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	1987055	100.000	112.84	50.00- 150.00	100.00
19.416	19.416 (0.934)	43	3164314			120.66- 220.66	159.25
19.416	19.416 (0.934)	100	463660			0.00- 74.50	23.33
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	4155741	100.000	109.91	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	3199761			25.33- 125.33	77.00
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	3955303	100.000	109.30	50.00- 150.00	100.00
20.052	20.052 (0.964)	109	3667501			41.12- 141.12	92.72
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	5575117	100.000	106.72	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	1741170			0.00- 80.99	31.23
20.853	20.853 (1.003)	77	3312976			25.73- 125.73	59.42
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	2944411	100.000	111.28	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	9385002			266.56- 366.56	318.74
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	3786212	100.000	116.34	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	7546980			157.11- 257.11	199.33
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	3551995	100.000	116.19	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	7434607			166.77- 266.77	209.31
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	5914203	100.000	119.38	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	2949426			12.82- 112.82	49.87
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	4481325	100.000	113.69	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	2295005			0.34- 100.34	51.21
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	9947717	100.000	113.84	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	2551560			0.00- 74.52	25.65
22.429	22.429 (1.078)	51	743683			51.79- 151.79	7.48
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	5403373	100.000	112.77	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	3522540			17.66- 117.66	65.19
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	12526916	100.000	113.35	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	2739588			0.00- 71.52	21.87
23.121	23.121 (1.112)	105	452641			0.00- 53.54	3.61
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	10857177	100.000	116.64	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	3211721			0.00- 79.85	29.58
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	8749363	100.000	115.50	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	4278572			0.29- 100.29	48.90
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	8331110	100.000	118.17	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	3834206			0.00- 94.69	46.02
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	5901308	100.000	110.60	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	3753394			14.61- 114.61	63.60
24.586	24.586 (1.182)	111	2459190			0.00- 92.01	41.67
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	6108963	100.000	110.19	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	3878518			13.83- 113.83	63.49
24.724	24.724 (1.189)	111	2438232			0.00- 89.75	39.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	9240613	100.000	120.45	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	1772001			0.00- 69.65	19.18
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	5700776	100.000	111.42	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	3626695			14.36- 114.36	63.62
25.360	25.360 (1.219)	111	2473610			0.00- 92.81	43.39
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	4104037	100.000	116.94	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	3915717			45.41- 145.41	95.41
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	3552461	100.000	110.90	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	2207569			13.46- 113.46	62.14
19 Butane					CAS #: 106-97-8		
6.808	6.808 (0.490)	58	284238	100.000	102.42	50.00- 150.00	100.00
6.808	6.808 (0.490)	43	1944395			640.46- 740.46	684.07
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1581328	100.000	101.19	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	1260063			26.79- 126.79	79.68
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	3058051	100.000	114.26	50.00- 150.00	100.00
16.347	16.347 (1.177)	98	1404590			0.00- 95.49	45.93
16.347	16.347 (1.177)	55	1985443			16.76- 116.76	64.93
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	7020979	100.000	121.36	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	856788			0.00- 62.56	12.20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121315.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	285950	1.85
97 1,4-Difluorobenze	1182601	709561	1655641	1189157	0.55
126 Chlorobenzene-d5	1033655	620193	1447117	1095777	6.01

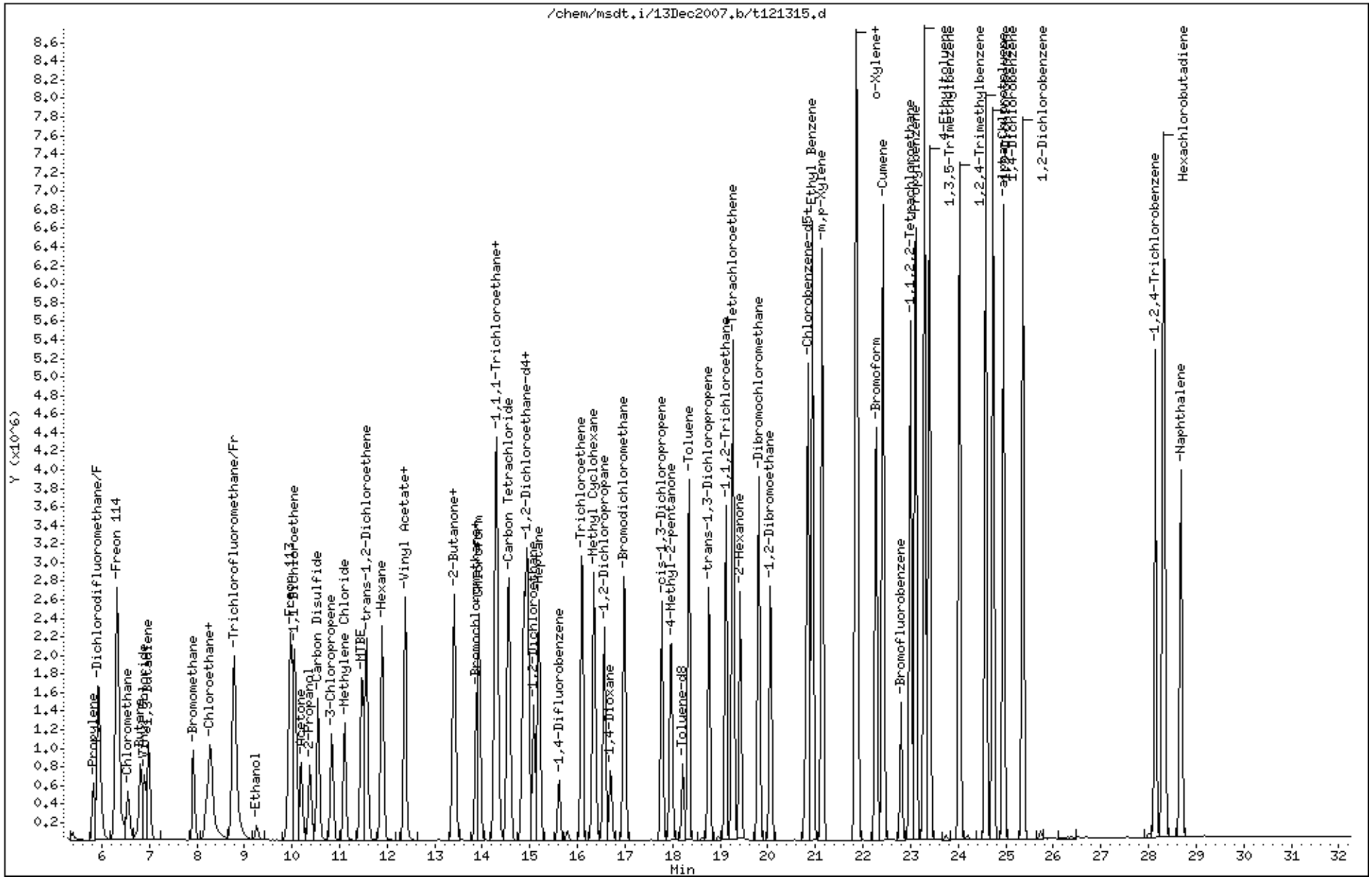
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.89	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/13Dec2007.b/t121315.d
Date : 14-DEC-2007 02:20
Client ID: Level 5
Sample Info: 100mL #1443-378

Instrument: msdt.i
Operator: ab
Column diameter: 0.53

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Jan2008.b/t010205.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 02-JAN-2008 12:48
Operator : sjr Inst ID: msdt.i
Smp Info : 200ml #1443-399
Misc Info : 200ppbv -> 200ppbv (1200ppbv MeOH)
Comment :
Method : /chem/msdt.i/02Jan2008.b/t14q1213c.m
Meth Date : 02-Jan-2008 15:47 sruth Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	342802	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	268144			26.86- 126.86	78.22
13.865	13.865 (1.000)	49	404262			74.17- 174.17	117.93
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1259545	25.0000		50.00- 150.00	100.00
15.607	15.607 (1.000)	88	206409			0.00- 66.07	16.39
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1262417	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	725213			5.77- 105.77	57.45
6 Freon142b					CAS #: 75-68-3		
6.407	6.407 (0.462)	65	9025712	200.000	203.76	50.00- 150.00	100.00
6.407	6.407 (0.462)	45	1781406			0.00- 71.17	19.74
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	9392123	200.000	216.05	50.00- 150.00	100.00(AH)
5.394	5.394 (0.389)	85	3016168			0.00- 83.23	32.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.394	5.394 (0.389)	87	971094			0.00- 60.80	10.34
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	4085014	200.000	208.55	50.00- 150.00	100.00(A)
5.675	5.675 (0.409)	69	3260048			29.59- 129.59	79.81
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	2024077	200.000	194.03	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	3428125			125.61- 225.61	169.37
5.844	5.844 (0.422)	47	902442			0.00- 95.62	44.59
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	1074014	200.000	200.36	50.00- 150.00	100.00
5.985	5.985 (0.432)	51	5534587			424.04- 524.04	515.32
5.985	5.985 (0.432)	85	104632			0.00- 60.14	9.74
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	4834637	1200.00	1090.3	50.00- 150.00	100.00
7.534	7.534 (0.543)	32	3571349			127.28- 227.28	73.87
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	6875679	200.000	200.17	50.00- 150.00	100.00
8.717	8.717 (0.629)	69	2226087			0.00- 82.55	32.38
8.717	8.717 (0.629)	35	378185			0.00- 55.68	5.50
40 Freon123a					CAS #: 354-23-4		
9.552	9.552 (0.689)	67	5553857	200.000	209.06	50.00- 150.00	100.00(A)
9.552	9.552 (0.689)	117	4722976			33.27- 133.27	85.04
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	7552537	200.000	207.03	50.00- 150.00	100.00(A)
9.718	9.718 (0.701)	133	1633548			0.00- 72.56	21.63
9.718	9.718 (0.701)	85	5332112			21.04- 121.04	70.60
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.155	11.155 (0.805)	59	7662239	200.000	234.35	50.00- 150.00	100.00(A)
11.155	11.155 (0.805)	41	1567171			0.00- 79.32	20.45
11.155	11.155 (0.805)	57	796228			0.00- 60.92	10.39
68 Isopropyl ether					CAS #: 108-20-3		
12.261	12.261 (0.884)	45	11596659	200.000	235.02	50.00- 150.00	100.00(A)
12.289	12.289 (0.886)	87	3510582			0.00- 81.01	30.27
12.289	12.289 (0.886)	59	1295848			0.00- 61.81	11.17
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	702442	200.000	216.83	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	71 1-Propanol (continued)						
12.400	12.400 (0.894)	59	1005858			61.64- 161.64	143.19
12.400	12.400 (0.894)	41	698074			40.91- 140.91	99.38
	73 t-Butylethyl Ether				CAS #: 637-92-3		
12.925	12.925 (0.932)	59	12686099	200.000	235.43	50.00- 150.00	100.00(A)
12.925	12.925 (0.932)	87	5569469			0.00- 93.11	43.90
12.925	12.925 (0.932)	41	2116982			0.00- 70.41	16.69
	77 Ethyl Acetate				CAS #: 141-78-6		
13.367	13.367 (0.964)	45	1206713	200.000	216.02	50.00- 150.00	100.00(A)
13.367	13.367 (0.964)	61	1309042			49.68- 149.68	108.48
13.367	13.367 (0.964)	43	8453365			615.05- 715.05	700.53
	92 tert-amyl-Methyl Ether				CAS #: 994-05-8		
14.999	14.999 (1.082)	73	12067757	200.000	245.45	50.00- 150.00	100.00(A)
14.999	14.999 (1.082)	87	2947080			0.00- 74.91	24.42
14.999	14.999 (1.082)	55	2738156			0.00- 76.64	22.69
	96 2-Heptanone				CAS #: 110-43-0		
21.966	21.966 (1.584)	58	7527722	200.000	272.58	50.00- 150.00	100.00(A)
21.966	21.966 (1.584)	43	10588425			98.27- 198.27	140.66
	98 1-Butanol				CAS #: 71-36-3		
15.773	15.773 (1.009)	56	2692052	200.000	285.71	50.00- 150.00	100.00(A)
15.773	15.773 (1.009)	41	1770416			28.59- 128.59	65.76
15.773	15.773 (1.009)	43	1349879			6.69- 106.69	50.14
	119 Butyl Acetate				CAS #: 123-86-4		
19.533	19.533 (1.249)	56	4362567	200.000	245.83	50.00- 150.00	100.00(A)
19.533	19.533 (1.249)	73	1802604			0.00- 95.25	41.32
19.533	19.533 (1.249)	43	9764375			169.61- 269.61	223.82
	135 Cyclohexanone				CAS #: 108-94-1		
22.741	22.741 (1.093)	55	5498067	200.000	261.35	50.00- 150.00	100.00(A)
22.741	22.741 (1.093)	98	2946743			2.09- 102.09	53.60
22.741	22.741 (1.093)	42	3547789			15.79- 115.79	64.53
	146 Diisobutyl Ketone				CAS #: 108-83-8		
23.570	23.570 (1.133)	57	13305333	200.000	261.21	50.00- 150.00	100.00(A)
23.570	23.570 (1.133)	85	12939186			46.68- 146.68	97.25
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Report Date: 02-Jan-2008 15:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t010205.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/02Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 200ppbv (1200ppbv MeOH)

Calibration Date: 02-JAN-2008
Calibration Time: 12:02
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	338913	203348	474478	342802	1.15
97 1,4-Difluorobenze	1251078	750647	1751509	1259545	0.68
126 Chlorobenzene-d5	1269166	761500	1776832	1262417	-0.53

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

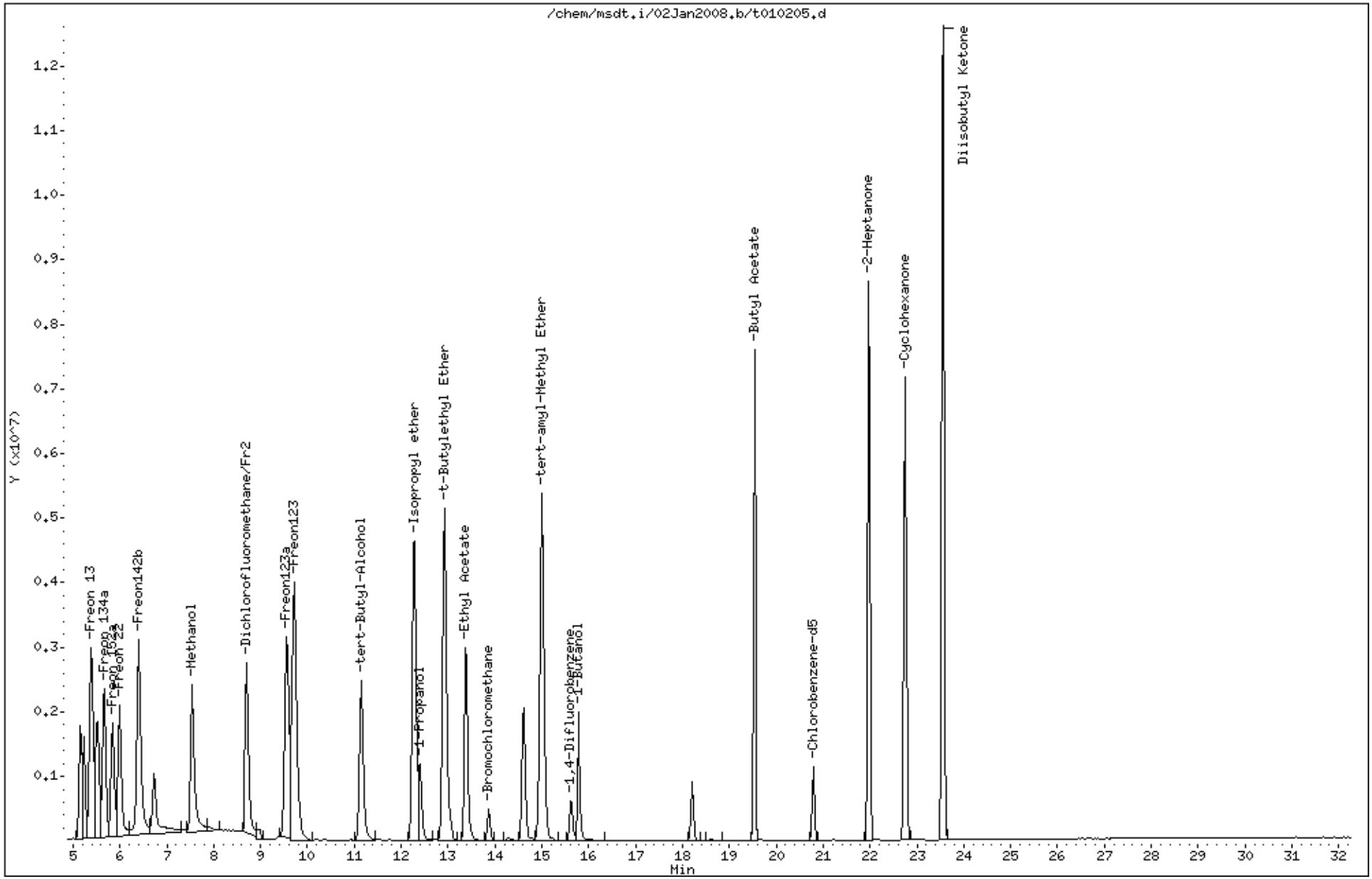
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/02Jan2008.b/t010205.d
Date : 02-JAN-2008 12:48
Client ID: Level 7
Sample Info: 200ml #1443-399

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Dec2007.b/t121904.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 19-DEC-2007 12:21
Operator : sjr Inst ID: msdt.i
Smp Info : 200ml #1443-388
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/19Dec2007.b/t14q1213b.m
Meth Date : 19-Dec-2007 12:55 sruth Quant Type: ISTD
Cal Date : 19-DEC-2007 12:21 Cal File: t121904.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	208290	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	168001			27.34- 127.34	80.66
13.865	13.865 (1.000)	49	262276			80.38- 180.38	125.92
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	816150	25.0000		50.00- 150.00	100.00
15.607	15.607 (1.000)	88	133813			0.00- 65.86	16.40
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	777569	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	460481			6.00- 106.00	59.22
199 Vinyl Fluoride					CAS #: 75-02-5		
5.563	5.563 (0.401)	46	791803	200.000	142.07	50.00- 150.00	100.00
5.563	5.563 (0.401)	45	564402			20.20- 120.20	71.28
5.563	5.563 (0.401)	47	17143			0.00- 52.23	2.17

Report Date: 19-Dec-2007 12:55

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121904.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/19Dec2007.b/t14q1213b.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 19-DEC-2007
Calibration Time: 11:12
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	204685	122811	286559	208290	1.76
97 1,4-Difluorobenze	866754	520052	1213456	816150	-5.84
126 Chlorobenzene-d5	784408	470645	1098171	777569	-0.87

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/19Dec2007.b/t121904.d

Date : 19-DEC-2007 12:21

Client ID: Level 7

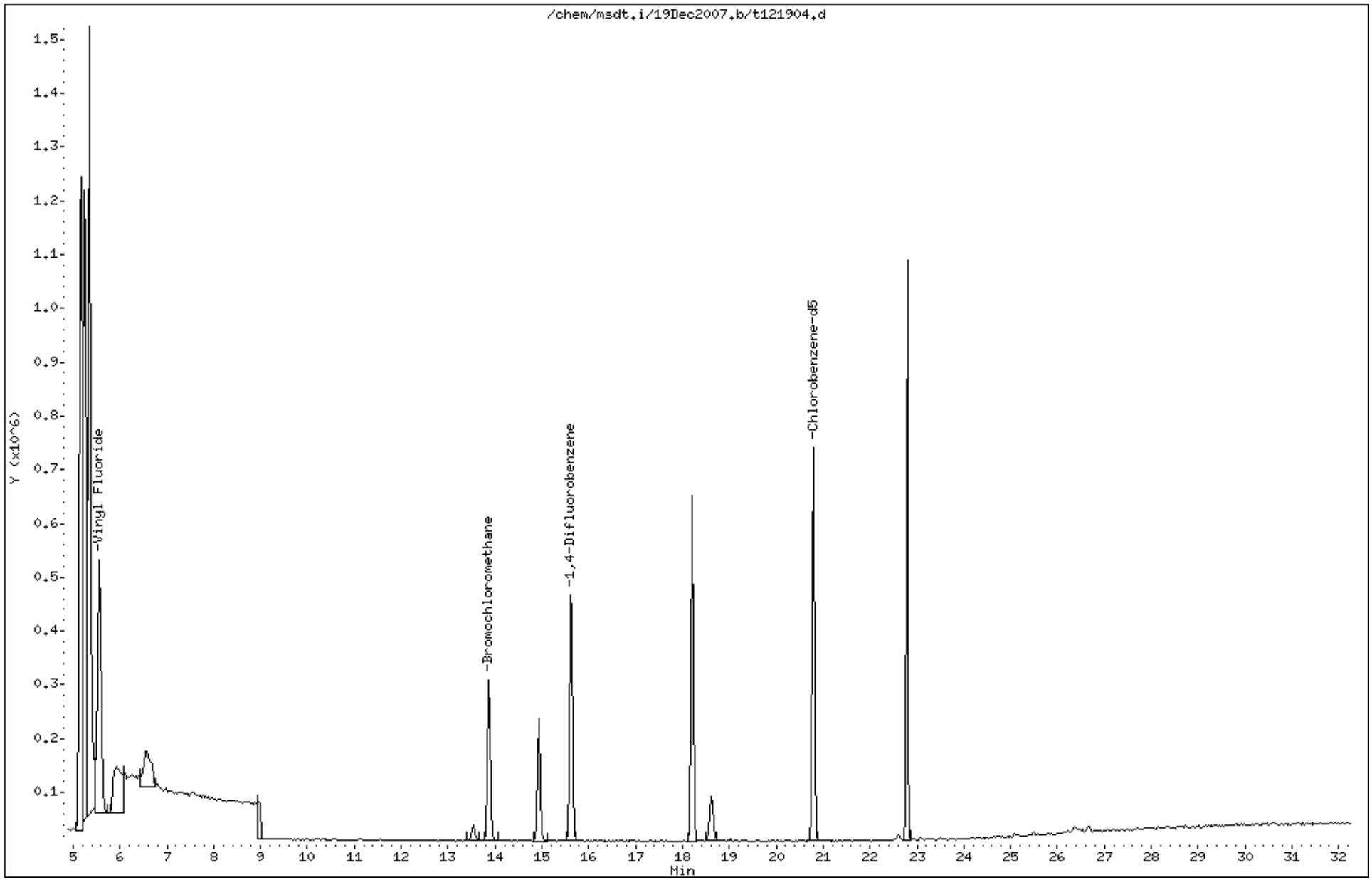
Sample Info: 200ml #1443-388

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2007.b/t121316.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 14-DEC-2007 03:20
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #1443-378
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/13Dec2007.b/t14q1213a.m
Meth Date : 14-Dec-2007 15:15 ealcan Quant Type: ISTD
Cal Date : 14-DEC-2007 03:20 Cal File: t121316.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.858 (1.000)	130	312072	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	237887			26.73- 126.73	76.23
13.941	13.858 (1.000)	49	868225			83.94- 183.94	278.21
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1219072	25.0000		50.00- 150.00	100.00
15.600	15.628 (1.000)	88	196561			0.00- 65.84	16.12
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1122977	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	635548			5.33- 105.33	56.59
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.937 (1.078)	65	497300	25.0000	25.028	50.00- 150.00	100.00
14.936	14.937 (1.078)	67	364757			3.93- 103.93	73.35
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1195364	25.0000	25.849	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	132917			0.00- 61.06	11.12

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	813027			18.52- 118.52	68.02
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	787955	25.0000	25.583	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	973590			74.37- 174.37	123.56
22.789	22.789 (1.096)	176	763981			47.63- 147.63	96.96
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	1566944	200.000	188.00	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	1072505			17.44- 117.44	68.45
5.812	5.812 (0.419)	39	1271044			31.05- 131.05	81.12
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	10536645	200.000	192.77	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	3375730			0.00- 82.50	32.04
16 Freon 114					CAS #: 76-14-2		
6.282	6.310 (0.453)	135	7255444	200.000	203.05	50.00- 150.00	100.00(A)
6.282	6.310 (0.453)	137	2321055			0.00- 81.78	31.99
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.473)	50	2309072	200.000	195.31	50.00- 150.00	100.00
6.559	6.559 (0.473)	52	757911			0.00- 83.59	32.82
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.891 (0.497)	62	3064561	200.000	207.24	50.00- 150.00	100.00(A)
6.890	6.891 (0.497)	64	994470			0.00- 94.54	32.45
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.973 (0.501)	54	2304326	200.000	199.62	50.00- 150.00	100.00
6.946	6.973 (0.501)	39	2084103			61.08- 161.08	90.44
25 Bromomethane					CAS #: 74-83-9		
7.913	7.914 (0.571)	94	3447481	200.000	220.14	50.00- 150.00	100.00(A)
7.913	7.914 (0.571)	96	3166350			44.93- 144.93	91.85
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.591)	64	1639035	200.000	207.72	50.00- 150.00	100.00(A)
8.190	8.190 (0.591)	49	399052			0.00- 76.61	24.35
8.190	8.190 (0.591)	66	548680			0.00- 85.87	33.48
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.633)	101	11919103	200.000	195.08	50.00- 150.00	100.00
8.771	8.771 (0.633)	103	7714237			15.72- 115.72	64.72

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	839782	200.000	202.66	50.00- 150.00	100.00(A)
9.241	9.241 (0.667)	43	185565			0.00- 74.87	22.10
9.241	9.241 (0.667)	46	312090			0.00- 88.05	37.16
42 Freon 113					CAS #: 76-13-1		
9.959	9.960 (0.719)	151	5509795	200.000	200.37	50.00- 150.00	100.00(A)
9.959	9.960 (0.719)	153	3528539			15.26- 115.26	64.04
9.959	9.960 (0.719)	101	7165404			81.18- 181.18	130.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.043 (0.725)	61	5073732	200.000	210.51	50.00- 150.00	100.00(A)
10.042	10.043 (0.725)	96	3289501			16.16- 116.16	64.83
10.042	10.043 (0.725)	98	2116439			0.00- 91.50	41.71
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	1397444	200.000	186.74	50.00- 150.00	100.00
10.181	10.181 (0.735)	43	4140165			264.94- 364.94	296.27
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	4788607	200.000	193.16	50.00- 150.00	100.00
10.374	10.402 (0.749)	43	1071504			0.00- 78.96	22.38
10.374	10.374 (0.749)	59	216385			0.00- 54.06	4.52
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	10068884	200.000	219.11	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	1619707	200.000	206.52	50.00- 150.00	100.00(A)
10.817	10.817 (0.781)	41	3270693			176.05- 276.05	201.93
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	2866818	200.000	188.36	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	2820606			44.80- 144.80	98.39
11.093	11.093 (0.800)	51	891412			0.00- 83.78	31.09
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.826)	73	11116354	200.000	217.90	50.00- 150.00	100.00(A)
11.453	11.453 (0.826)	57	2038614			0.00- 69.38	18.34
11.453	11.453 (0.826)	41	1796774			0.00- 70.94	16.16
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.535	11.536 (0.832)	96	3866249	200.000	209.36	50.00- 150.00	100.00(A)
11.535	11.536 (0.832)	61	5033633			84.61- 184.61	130.19
11.535	11.536 (0.832)	98	2487334			15.85- 115.85	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	5243992	200.000	204.52	50.00- 150.00	100.00(A)
11.895	11.895 (0.858)	43	2845385			8.15- 108.15	54.26
11.895	11.895 (0.858)	86	999308			0.00- 69.59	19.06
69 Vinyl Acetate					CAS #: 108-05-4		
12.337	12.365 (0.890)	86	989746	200.000	216.32	50.00- 150.00	100.00(A)
12.337	12.365 (0.890)	43	8004290			903.55-1003.55	808.72
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	6551116	200.000	203.39	50.00- 150.00	100.00(A)
12.365	12.365 (0.892)	65	2125637			0.00- 83.37	32.45
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	1872760	200.000	219.66	50.00- 150.00	100.00(A)
13.388	13.388 (0.966)	43	5660672			271.22- 371.22	302.26
13.388	13.388 (0.966)	57	526953			0.00- 78.78	28.14
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	4420251	200.000	195.40	50.00- 150.00	100.00
13.416	13.416 (0.968)	96	3765367			29.23- 129.23	85.18
13.416	13.416 (0.968)	98	2414828			0.16- 100.16	54.63
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	2820394	200.000	207.59	50.00- 150.00	100.00(A)
13.858	13.858 (1.000)	71	1625183			0.61- 100.61	57.62
13.858	13.858 (1.000)	72	1747925			8.31- 108.31	61.97
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	8069375	200.000	214.11	50.00- 150.00	100.00(A)
13.941	13.941 (1.006)	85	5268385			18.46- 118.46	65.29
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	9167706	200.000	203.12	50.00- 150.00	100.00(A)
14.273	14.273 (1.030)	99	5916514			13.89- 113.89	64.54
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.301 (1.032)	84	5110679	200.000	221.88	50.00- 150.00	100.00(A)
14.300	14.301 (1.032)	56	4727310			43.75- 143.75	92.50
14.300	14.301 (1.032)	41	2304581			1.66- 101.66	45.09
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.522	14.549 (1.048)	119	8734069	200.000	198.68	50.00- 150.00	100.00
14.522	14.522 (1.048)	117	9328668			54.19- 154.19	106.81
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	11038237	200.000	226.78	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.964	14.964 (0.958)	77	2501344			0.00- 73.32	22.66
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	13590492	200.000	211.58	50.00- 150.00	100.00(A)
14.881	14.881 (1.074)	56	4365676			0.00- 83.27	32.12
14.881	14.881 (1.074)	41	3296011			0.00- 77.74	24.25
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	4944178	200.000	203.36	50.00- 150.00	100.00(A)
15.075	15.075 (0.965)	64	1613087			0.00- 82.87	32.63
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	3528120	200.000	228.19	50.00- 150.00	100.00(A)
15.185	15.185 (0.972)	43	4297565			77.60- 177.60	121.81
15.185	15.185 (0.972)	57	2763251			32.99- 132.99	78.32
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	4945707	200.000	219.90	50.00- 150.00	100.00(A)
16.070	16.070 (1.028)	130	4517850			45.55- 145.55	91.35
16.070	16.070 (1.028)	97	3166262			15.22- 115.22	64.02
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	3656991	200.000	224.84	50.00- 150.00	100.00(A)
16.568	16.568 (1.060)	62	2602507			23.00- 123.00	71.17
16.568	16.568 (1.060)	41	1842432			8.64- 108.64	50.38
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	2819010	200.000	218.55	50.00- 150.00	100.00(A)
16.678	16.706 (1.067)	58	1489392			5.85- 105.85	52.83
16.678	16.678 (1.067)	57	524866			0.00- 69.86	18.62
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.983 (1.087)	83	8699153	200.000	222.37	50.00- 150.00	100.00(A)
16.982	16.983 (1.087)	85	5572863			16.51- 116.51	64.06
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	6201914	200.000	236.75	50.00- 150.00	100.00(A)
17.784	17.784 (1.138)	77	2006516			0.00- 83.76	32.35
17.784	17.784 (1.138)	39	2471443			0.00- 94.73	39.85
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.950	17.978 (1.149)	58	2996318	200.000	251.40	50.00- 150.00	100.00(A)
17.950	17.978 (1.149)	43	6468814			168.02- 268.02	215.89
17.978	17.978 (1.150)	85	1616456			2.69- 102.69	53.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	13027911	200.000	221.89	50.00- 150.00	100.00(A)
18.337	18.337 (1.173)	92	7910961			9.70- 109.70	60.72
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	6772915	200.000	222.86	50.00- 150.00	100.00(A)
18.752	18.752 (0.902)	77	2158329			0.00- 82.23	31.87
18.752	18.752 (0.902)	39	2511684			0.00- 88.37	37.08
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.112 (0.919)	97	4824323	200.000	218.85	50.00- 150.00	100.00(A)
19.111	19.112 (0.919)	99	3039888			15.96- 115.96	63.01
19.111	19.112 (0.919)	83	4062451			36.03- 136.03	84.21
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	6398042	200.000	208.25	50.00- 150.00	100.00(A)
19.277	19.277 (0.927)	129	4443301			20.82- 120.82	69.45
19.277	19.277 (0.927)	131	4203833			18.42- 118.42	65.70
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	4167104	200.000	230.91	50.00- 150.00	100.00(A)
19.416	19.416 (0.934)	43	6517267			120.66- 220.66	156.40
19.416	19.416 (0.934)	100	966067			0.00- 74.50	23.18
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	8374369	200.000	216.12	50.00- 150.00	100.00(A)
19.803	19.803 (0.952)	127	6438017			25.33- 125.33	76.88
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	8163116	200.000	220.11	50.00- 150.00	100.00(A)
20.052	20.052 (0.964)	109	7505261			41.12- 141.12	91.94
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.854 (1.003)	112	11439297	200.000	213.66	50.00- 150.00	100.00(A)
20.853	20.854 (1.003)	114	3541405			0.00- 80.99	30.96
20.853	20.854 (1.003)	77	6932745			25.73- 125.73	60.60
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	6075128	200.000	224.05	50.00- 150.00	100.00(A)
20.936	20.936 (1.007)	91	19688559			266.55- 366.55	324.08
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	7875956	200.000	236.14	50.00- 150.00	100.00(A)
21.130	21.130 (1.016)	91	15938104			157.11- 257.11	202.36
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	7422754	200.000	236.92	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	15859161			166.77- 266.77	213.66
131 Styrene					CAS #: 100-42-5		
21.876	21.877 (1.052)	104	12588804	200.000	247.95	50.00- 150.00	100.00(A)
21.876	21.877 (1.052)	78	6176714			12.82- 112.82	49.07
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	9256344	200.000	229.15	50.00- 150.00	100.00(A)
22.291	22.291 (1.072)	171	4748752			0.34- 100.34	51.30
134 Cumene					CAS #: 98-82-8		
22.429	22.430 (1.078)	105	21051206	200.000	235.07	50.00- 150.00	100.00(A)
22.429	22.430 (1.078)	120	5362747			0.00- 74.52	25.47
22.429	22.430 (1.078)	51	1571705			51.79- 151.79	7.47
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	11462069	200.000	233.43	50.00- 150.00	100.00(A)
23.010	23.010 (1.106)	85	7393737			17.66- 117.66	64.51
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	26770074	200.000	236.36	50.00- 150.00	100.00(A)
23.121	23.121 (1.112)	120	5740764			0.00- 71.52	21.44
23.121	23.093 (1.112)	105	944899			0.00- 53.54	3.53
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.287 (1.120)	105	23074463	200.000	241.89	50.00- 150.00	100.00(A)
23.286	23.287 (1.120)	120	6686312			0.00- 79.85	28.98
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	18681312	200.000	240.64	50.00- 150.00	100.00(A)
23.397	23.397 (1.125)	120	8987396			0.29- 100.29	48.11
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	17839460	200.000	246.90	50.00- 150.00	100.00(A)
24.033	24.033 (1.156)	120	8064377			0.00- 94.69	45.21
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	12459839	200.000	227.86	50.00- 150.00	100.00(A)
24.586	24.586 (1.182)	148	7893057			14.61- 114.61	63.35
24.586	24.586 (1.182)	111	5125486			0.00- 92.01	41.14
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	12915436	200.000	227.31	50.00- 150.00	100.00(A)
24.724	24.724 (1.189)	148	8205818			13.83- 113.83	63.53
24.724	24.724 (1.189)	111	5136295			0.00- 89.75	39.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.946 (1.199)	91	20102245	200.000	255.68	50.00- 150.00	100.00(A)
24.945	24.946 (1.199)	126	3786738			0.00- 69.65	18.84
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	12102325	200.000	230.80	50.00- 150.00	100.00(A)
25.360	25.360 (1.219)	148	7672377			14.36- 114.36	63.40
25.360	25.360 (1.219)	111	5192689			0.00- 92.81	42.91
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	9109354	200.000	253.27	50.00- 150.00	100.00(A)
28.153	28.153 (1.354)	182	8614863			45.41- 145.41	94.57
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	7713243	200.000	234.95	50.00- 150.00	100.00(A)
28.319	28.319 (1.362)	223	4841161			13.46- 113.46	62.76
19 Butane					CAS #: 106-97-8		
6.780	6.808 (0.489)	58	582454	200.000	192.31	50.00- 150.00	100.00
6.780	6.808 (0.489)	43	3920775			672.59- 772.59	673.15
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	3228269	200.000	189.29	50.00- 150.00	100.00
8.273	8.273 (0.597)	57	2596521			26.79- 126.79	80.43
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.347 (1.180)	83	6460529	200.000	221.19	50.00- 150.00	100.00(A)
16.346	16.347 (1.180)	98	2935311			0.00- 95.49	45.43
16.346	16.347 (1.180)	55	4166015			16.76- 116.76	64.48
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	15566479	200.000	262.57	50.00- 150.00	100.00(A)
28.678	28.678 (1.379)	127	1884718			0.00- 62.56	12.11

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Report Date: 14-Dec-2007 15:24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121316.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/13Dec2007.b/t14q1213a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 14-DEC-2007
Calibration Time: 01:23
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	280754	168452	393056	312072	11.15
97 1,4-Difluorobenze	1182601	709561	1655641	1219072	3.08
126 Chlorobenzene-d5	1033655	620193	1447117	1122977	8.64

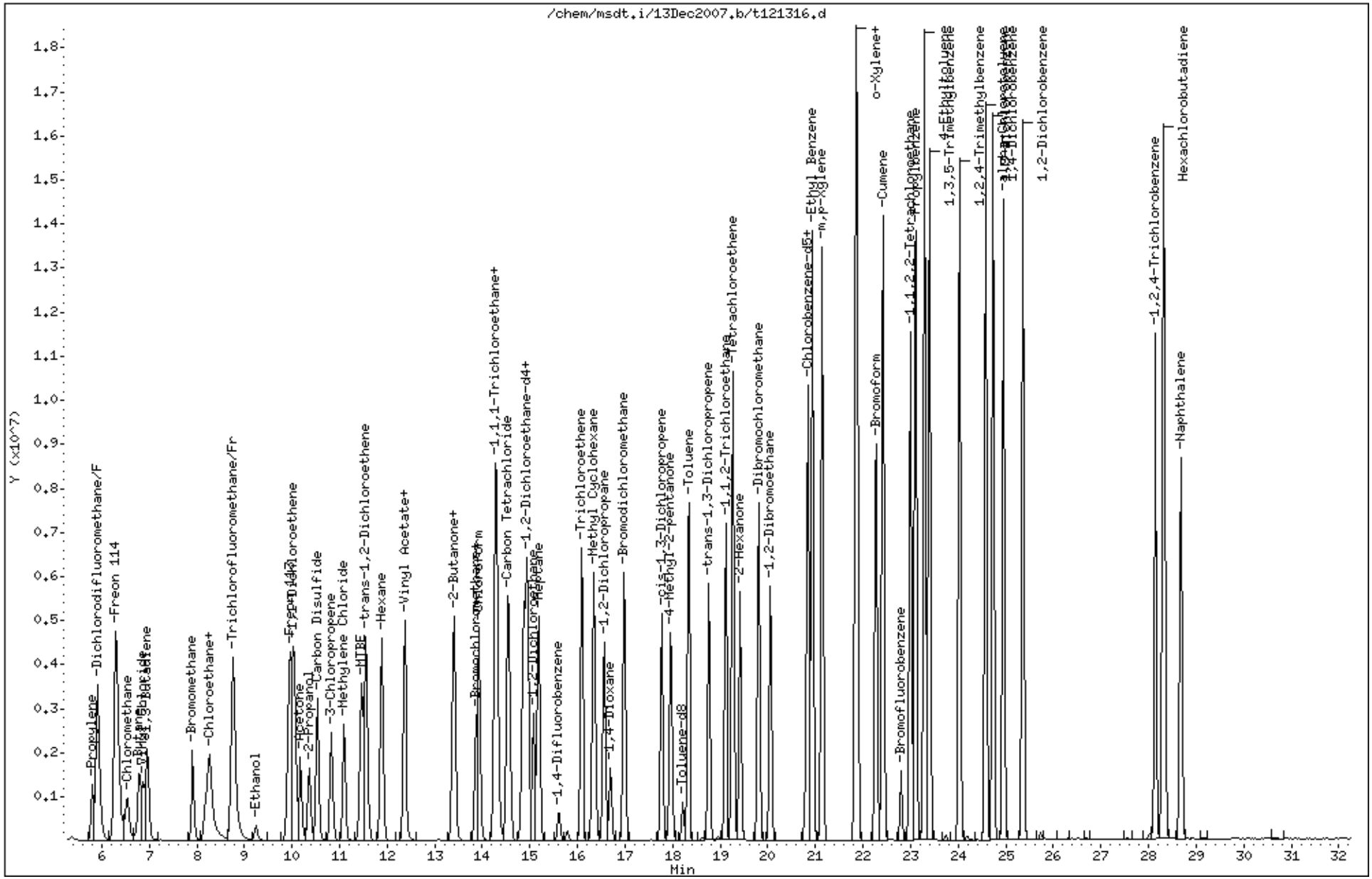
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/13Dec2007.b/t121316.d
Date : 14-DEC-2007 03:20
Client ID: Level 7
Sample Info: 200mL #1443-378

Instrument: msdt.i
Operator: ab
Column diameter: 0.53

Column phase: RTx-624



0178

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0801138-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 08:59 AM**	

Compound	%Recovery
Freon 12	114
Freon 114	108
Vinyl Chloride	114
Bromomethane	102
Chloroethane	111
Freon 11	115
1,1-Dichloroethene	118
Freon 113	105
Methylene Chloride	111
1,1-Dichloroethane	118
cis-1,2-Dichloroethene	117
Chloroform	125
1,1,1-Trichloroethane	118
Carbon Tetrachloride	120
Benzene	123
1,2-Dichloroethane	128
Trichloroethene	123
1,2-Dichloropropane	128
cis-1,3-Dichloropropene	130
Toluene	114
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	113
Tetrachloroethene	110
1,2-Dibromoethane (EDB)	112
Chlorobenzene	109
Ethyl Benzene	114
m,p-Xylene	119
o-Xylene	119
Styrene	120
1,1,2,2-Tetrachloroethane	117
1,3,5-Trimethylbenzene	124
1,2,4-Trimethylbenzene	128
1,3-Dichlorobenzene	118
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	121
1,2-Dichlorobenzene	119
1,3-Butadiene	118
Hexane	106
Cyclohexane	115

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0801138-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 08:59 AM**	

Compound	%Recovery
Heptane	112
Bromodichloromethane	129
Dibromochloromethane	121
Cumene	118
Propylbenzene	119
Chloromethane	105
1,2,4-Trichlorobenzene	112
Hexachlorobutadiene	123
Acetone	107
Carbon Disulfide	106
2-Propanol	117
trans-1,2-Dichloroethene	109
2-Butanone (Methyl Ethyl Ketone)	110
Tetrahydrofuran	127
1,4-Dioxane	110
4-Methyl-2-pentanone	124
2-Hexanone	114
Bromoform	122
4-Ethyltoluene	126
Ethanol	128
Methyl tert-butyl ether	111
3-Chloropropene	105
2,2,4-Trimethylpentane	95
Naphthalene	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 15-JAN-2008 08:59
Lab File ID: t011502.d Init. Cal. Date(s): 13-DEC-2007 02-JAN-2008
Analysis Type: AIR Init. Cal. Times: 21:35 12:48
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/15Jan2008.b/t14q1213c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.59173	1.74766	0.010	-9.79627	30.00000	Averaged
$ 113 Toluene-d8	0.94836	0.99089	0.010	-4.48421	30.00000	Averaged
$ 137 Bromofluorobenzene	0.68567	0.69411	0.010	-1.23002	30.00000	Averaged
11 Propylene	0.66768	0.76804	0.010	-15.03041	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.37866	4.97322	0.010	-13.57839	30.00000	Averaged
16 Freon 114	2.86250	3.09813	0.010	-8.23152	30.00000	Averaged
18 Chloromethane	0.94711	0.99505	0.010	-5.06185	30.00000	Averaged
20 Vinyl Chloride	1.18461	1.35234	0.010	-14.15867	30.00000	Averaged
22 1,3-Butadiene	0.92474	1.09283	0.010	-18.17755	30.00000	Averaged
25 Bromomethane	1.25453	1.27897	0.010	-1.94782	30.00000	Averaged
27 Chloroethane	0.63210	0.70226	0.010	-11.10012	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	4.89467	5.62785	0.010	-14.97914	30.00000	Averaged
38 Ethanol	0.33196	0.42646	0.010	-28.46568	30.00000	Averaged
42 Freon 113	2.20289	2.31662	0.010	-5.16300	30.00000	Averaged
43 1,1-Dichloroethene	1.93084	2.27021	0.010	-17.57635	30.00000	Averaged
45 Acetone	0.59950	0.64151	0.010	-7.00761	30.00000	Averaged
46 2-Propanol	1.98593	2.32523	0.010	-17.08474	30.00000	Averaged
47 Carbon Disulfide	3.68135	3.92380	0.010	-6.58589	30.00000	Averaged
51 3-Chloropropene	0.62830	0.66009	0.010	-5.05865	30.00000	Averaged
54 Methylene Chloride	1.21929	1.35179	0.010	-10.86695	30.00000	Averaged
60 MTBE	4.08685	4.52921	0.010	-10.82399	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.47941	1.60933	0.010	-8.78223	30.00000	Averaged
65 Hexane	2.05402	2.17071	0.010	-5.68096	30.00000	Averaged
69 Vinyl Acetate	0.36654	0.37193	0.010	-1.47171	30.00000	Averaged
70 1,1-Dichloroethane	2.58029	3.05983	0.010	-18.58469	30.00000	Averaged
75 2-Butanone	0.68300	0.74802	0.010	-9.52006	30.00000	Averaged
76 cis-1,2-Dichloroethene	1.81216	2.12803	0.010	-17.43043	30.00000	Averaged
80 Tetrahydrofuran	1.08841	1.38717	0.010	-27.44980	30.00000	Averaged
82 Chloroform	3.01922	3.77327	0.010	-24.97489	30.00000	Averaged
83 1,1,1-Trichloroethane	3.61566	4.28728	0.010	-18.57510	30.00000	Averaged
85 Cyclohexane	1.84523	2.11734	0.010	-14.74685	30.00000	Averaged
87 Carbon Tetrachloride	3.52165	4.23657	0.010	-20.30060	30.00000	Averaged
89 2,2,4-Trimethylpentane	5.14568	4.90077	0.010	4.75949	30.00000	Averaged
91 Benzene	0.99818	1.22767	0.010	-22.99108	30.00000	Averaged
93 1,2-Dichloroethane	0.49858	0.63810	0.010	-27.98324	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 15-JAN-2008 08:59
Lab File ID: t011502.d Init. Cal. Date(s): 13-DEC-2007 02-JAN-2008
Analysis Type: AIR Init. Cal. Times: 21:35 12:48
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/15Jan2008.b/t14q1213c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.31708	0.35451	0.010	-11.80534	30.00000	Averaged
101 Trichloroethene	0.46122	0.56687	0.010	-22.90596	30.00000	Averaged
104 1,2-Dichloropropane	0.33356	0.42543	0.010	-27.54273	30.00000	Averaged
106 1,4-Dioxane	0.26452	0.29206	0.010	-10.40959	30.00000	Averaged
107 Bromodichloromethane	0.80226	1.03881	0.010	-29.48568	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.53720	0.69626	0.010	-29.60923	30.00000	Averaged
111 4-Methyl-2-pentanone	0.24442	0.30378	0.010	-24.28569	30.00000	Averaged
114 Toluene	1.20407	1.36739	0.010	-13.56358	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.67657	0.78992	0.010	-16.75413	30.00000	Averaged
117 1,1,2-Trichloroethane	0.49075	0.55592	0.010	-13.28035	30.00000	Averaged
120 Tetrachloroethene	0.68395	0.75176	0.010	-9.91346	30.00000	Averaged
121 2-Hexanone	0.40176	0.45940	0.010	-14.34652	30.00000	Averaged
122 Dibromochloromethane	0.86263	1.04077	0.010	-20.65151	30.00000	Averaged
123 1,2-Dibromoethane	0.82562	0.92742	0.010	-12.33058	30.00000	Averaged
127 Chlorobenzene	1.19191	1.30115	0.010	-9.16515	30.00000	Averaged
128 Ethyl Benzene	0.60365	0.68996	0.010	-14.29752	30.00000	Averaged
129 m,p-Xylene	0.74252	0.88201	0.010	-18.78550	30.00000	Averaged
130 o-Xylene	0.69747	0.83100	0.010	-19.14484	30.00000	Averaged
131 Styrene	1.13028	1.35107	0.010	-19.53420	30.00000	Averaged
133 Bromoform	0.89926	1.09596	0.010	-21.87301	30.00000	Averaged
134 Cumene	1.99362	2.34628	0.010	-17.68947	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.09313	1.28060	0.010	-17.14998	30.00000	Averaged
142 Propylbenzene	2.52143	3.01071	0.010	-19.40492	30.00000	Averaged
145 4-Ethyltoluene	2.12367	2.68048	0.010	-26.21918	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.72826	2.13536	0.010	-23.55553	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.60852	2.05560	0.010	-27.79462	30.00000	Averaged
155 1,3-Dichlorobenzene	1.21736	1.43048	0.010	-17.50669	30.00000	Averaged
156 1,4-Dichlorobenzene	1.26490	1.48702	0.010	-17.56051	30.00000	Averaged
159 alpha-Chlorotoluene	1.75030	2.11684	0.010	-20.94138	30.00000	Averaged
161 1,2-Dichlorobenzene	1.16735	1.39093	0.010	-19.15246	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.80071	0.89910	0.010	-12.28767	30.00000	Averaged
166 Hexachlorobutadiene	0.73084	0.90219	0.010	-23.44589	30.00000	Averaged
29 Isopentane	1.36621	1.57650	0.010	-15.39220	30.00000	Averaged
19 Butane	0.24262	0.26830	0.010	-10.58115	30.00000	Averaged
102 Methyl Cyclohexane	2.33988	2.43211	0.010	-3.94146	30.00000	Averaged
167 Naphthalene	1.31984	1.37908	0.010	-4.48882	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011502.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 15-JAN-2008 08:59
Operator : lo Inst ID: msdt.i
Smp Info : 50mL #1576-197
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 09:19 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	314795	25.0000		80.00- 120.00	100.00
13.865	13.865 (1.000)	128	244503			27.67- 127.67	77.67
13.865	13.865 (1.000)	49	564228			129.24- 229.24	179.24
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1206212	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	193557			0.00- 66.05	16.05
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1175335	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	681442			5.77- 105.77	57.98
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.943	14.943 (1.078)	65	550154	25.0000	27.449	80.00- 120.00	100.00
14.943	14.943 (1.078)	67	304139			3.93- 103.93	55.28
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.206	18.206 (1.164)	98	1195219	25.0000	26.121	80.00- 120.00	100.00
18.206	18.206 (1.164)	70	141119			0.00- 61.06	11.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.206	18.206 (1.164)	100	810287			18.52- 118.52	67.79
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	815809	25.0000	25.308	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	997725			72.30- 172.30	122.30
22.796	22.796 (1.096)	176	790131			46.85- 146.85	96.85
11 Propylene					CAS #: 115-07-1		
5.816	5.816 (0.419)	41	483549	50.0000	57.515	80.00- 120.00	100.00
5.816	5.816 (0.419)	42	334181			17.44- 117.44	69.11
5.816	5.816 (0.419)	39	404333			31.05- 131.05	83.62
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.929	5.929 (0.428)	85	3131087	50.0000	56.789	80.00- 120.00	100.00
5.929	5.929 (0.428)	87	982121			0.00- 82.50	31.37
16 Freon 114					CAS #: 76-14-2		
6.323	6.323 (0.456)	135	1950551	50.0000	54.116	80.00- 120.00	100.00
6.323	6.323 (0.456)	137	612989			0.00- 81.78	31.43
18 Chloromethane					CAS #: 74-87-3		
6.548	6.548 (0.472)	50	626476	50.0000	52.531	80.00- 120.00	100.00
6.548	6.548 (0.472)	52	211579			0.00- 83.59	33.77
20 Vinyl Chloride					CAS #: 75-01-4		
6.886	6.886 (0.497)	62	851420	50.0000	57.079	80.00- 120.00	100.00
6.886	6.886 (0.497)	64	267370			0.00- 94.54	31.40
22 1,3-Butadiene					CAS #: 106-99-0		
6.971	6.971 (0.503)	54	688037	50.0000	59.089	80.00- 120.00	100.00
6.971	6.971 (0.503)	39	707665			61.08- 161.08	102.85
25 Bromomethane					CAS #: 74-83-9		
7.928	7.928 (0.572)	94	805226	50.0000	50.974	80.00- 120.00	100.00
7.928	7.928 (0.572)	96	738113			41.67- 141.67	91.67
27 Chloroethane					CAS #: 75-00-3		
8.182	8.182 (0.590)	64	442138	50.0000	55.550	80.00- 120.00	100.00
8.182	8.182 (0.590)	49	126789			0.00- 76.61	28.68
8.210	8.210 (0.592)	66	146445			0.00- 85.87	33.12
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.801	8.801 (0.635)	101	3543236	50.0000	57.490	80.00- 120.00	100.00
8.801	8.801 (0.635)	103	2297665			14.85- 114.85	64.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.248	9.248 (0.667)	45	268494	50.0000	64.233	80.00- 120.00	100.00
9.248	9.248 (0.667)	43	68903			0.00- 74.87	25.66
9.248	9.248 (0.667)	46	95092			0.00- 88.05	35.42
42 Freon 113					CAS #: 76-13-1		
9.966	9.966 (0.719)	151	1458521	50.0000	52.581	80.00- 120.00	100.00
9.966	9.966 (0.719)	153	925276			13.44- 113.44	63.44
9.966	9.966 (0.719)	101	1929204			82.27- 182.27	132.27
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.049	10.049 (0.725)	61	1429303	50.0000	58.788	80.00- 120.00	100.00
10.049	10.049 (0.725)	96	808722			6.58- 106.58	56.58
10.049	10.049 (0.725)	98	511116			0.00- 85.76	35.76
45 Acetone					CAS #: 67-64-1		
10.188	10.188 (0.735)	58	403886	50.0000	53.504	80.00- 120.00	100.00
10.188	10.188 (0.735)	43	1404010			264.94- 364.94	347.63
46 2-Propanol					CAS #: 67-63-0		
10.381	10.381 (0.749)	45	1463939	50.0000	58.542	80.00- 120.00	100.00
10.381	10.381 (0.749)	43	394193			0.00- 78.96	26.93
10.381	10.381 (0.749)	59	60812			0.00- 54.06	4.15
47 Carbon Disulfide					CAS #: 75-15-0		
10.547	10.547 (0.761)	76	2470384	50.0000	53.293	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.824	10.824 (0.781)	76	415584	50.0000	52.529	80.00- 120.00	100.00
10.824	10.824 (0.781)	41	1025008			176.05- 276.05	246.64
54 Methylene Chloride					CAS #: 75-09-2		
11.100	11.100 (0.801)	49	851071	50.0000	55.433	80.00- 120.00	100.00
11.100	11.100 (0.801)	84	701284			32.40- 132.40	82.40
11.100	11.100 (0.801)	51	257614			0.00- 83.78	30.27
60 MTBE					CAS #: 1634-04-4		
11.460	11.460 (0.826)	73	2851545	50.0000	55.412	80.00- 120.00	100.00
11.460	11.460 (0.826)	57	552299			0.00- 69.37	19.37
11.460	11.460 (0.826)	41	599553			0.00- 70.94	21.03
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.543	11.543 (0.832)	96	1013220	50.0000	54.391	80.00- 120.00	100.00
11.543	11.543 (0.832)	61	1493649			97.42- 197.42	147.42
11.570	11.570 (0.834)	98	643280			15.85- 115.85	63.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.902	11.902 (0.858)	57	1366659	50.0000	52.840	80.00- 120.00	100.00
11.902	11.902 (0.858)	43	828172			8.15- 108.15	60.60
11.902	11.902 (0.858)	86	236097			0.00- 69.59	17.28
69 Vinyl Acetate					CAS #: 108-05-4		
12.372	12.372 (0.892)	86	234164	50.0000	50.736	80.00- 120.00	100.00
12.372	12.372 (0.892)	43	2321844			903.55-1003.55	991.55
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.372	12.372 (0.892)	63	1926436	50.0000	59.292	80.00- 120.00	100.00
12.372	12.372 (0.892)	65	621020			0.00- 82.24	32.24
75 2-Butanone					CAS #: 78-93-3		
13.395	13.395 (0.966)	72	470948	50.0000	54.760	80.00- 120.00	100.00
13.395	13.395 (0.966)	43	1695411			310.00- 410.00	360.00
13.395	13.395 (0.966)	57	142186			0.00- 78.78	30.19
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.423	13.423 (0.968)	61	1339786	50.0000	58.715	80.00- 120.00	100.00
13.423	13.423 (0.968)	96	999812			24.62- 124.62	74.62
13.423	13.423 (0.968)	98	632289			0.00- 97.19	47.19
80 Tetrahydrofuran					CAS #: 109-99-9		
13.865	13.865 (1.000)	42	873350	50.0000	63.725	80.00- 120.00	100.00
13.865	13.865 (1.000)	71	433589			0.00- 99.65	49.65
13.865	13.865 (1.000)	72	473523			8.31- 108.31	54.22
82 Chloroform					CAS #: 67-66-3		
13.948	13.948 (1.006)	83	2375612	50.0000	62.487	80.00- 120.00	100.00
13.948	13.948 (1.006)	85	1543765			14.98- 114.98	64.98
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.280	14.280 (1.030)	97	2699227	50.0000	59.288	80.00- 120.00	100.00
14.280	14.280 (1.030)	99	1740344			14.48- 114.48	64.48
85 Cyclohexane					CAS #: 110-82-7		
14.307	14.307 (1.032)	84	1333059	50.0000	57.373	80.00- 120.00	100.00
14.307	14.307 (1.032)	56	1352662			51.47- 151.47	101.47
14.307	14.307 (1.032)	41	757948			6.86- 106.86	56.86
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.529	14.529 (1.048)	119	2667302	50.0000	60.150	80.00- 120.00	100.00
14.529	14.529 (1.048)	117	2849455			56.83- 156.83	106.83
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.888	14.888 (1.074)	57	3085477	50.0000	47.620	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.888	14.888 (1.074)	56	1024936			0.00- 83.27	33.22
14.888	14.888 (1.074)	41	860563			0.00- 77.74	27.89
91 Benzene					CAS #: 71-43-2		
14.971	14.971 (0.958)	78	2961670	50.0000	61.496	80.00- 120.00	100.00
14.971	14.971 (0.958)	77	676198			0.00- 73.32	22.83
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.082	15.082 (0.965)	62	1539374	50.0000	63.992	80.00- 120.00	100.00
15.082	15.082 (0.965)	64	508138			0.00- 82.87	33.01
94 Heptane					CAS #: 142-82-5		
15.192	15.192 (0.972)	71	855224	50.0000	55.903	80.00- 120.00	100.00
15.192	15.192 (0.972)	43	1235919			77.60- 177.60	144.51
15.192	15.192 (0.972)	57	799319			32.99- 132.99	93.46
101 Trichloroethene					CAS #: 79-01-6		
16.077	16.077 (1.028)	95	1367530	50.0000	61.453	80.00- 120.00	100.00
16.077	16.077 (1.028)	130	1274790			43.22- 143.22	93.22
16.077	16.077 (1.028)	97	863648			13.15- 113.15	63.15
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.575	16.575 (1.060)	63	1026313	50.0000	63.771	80.00- 120.00	100.00
16.575	16.575 (1.060)	62	719941			20.15- 120.15	70.15
16.575	16.575 (1.060)	41	618546			10.27- 110.27	60.27
106 1,4-Dioxane					CAS #: 123-91-1		
16.685	16.685 (1.067)	88	704563	50.0000	55.205	80.00- 120.00	100.00
16.685	16.685 (1.067)	58	412137			8.50- 108.50	58.50
16.685	16.685 (1.067)	57	147865			0.00- 69.86	20.99
107 Bromodichloromethane					CAS #: 75-27-4		
16.989	16.989 (1.087)	83	2506047	50.0000	64.743	80.00- 120.00	100.00
16.989	16.989 (1.087)	85	1602980			13.96- 113.96	63.96
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.791	17.791 (1.138)	75	1679684	50.0000	64.805	80.00- 120.00	100.00
17.791	17.791 (1.138)	77	531512			0.00- 81.64	31.64
17.791	17.791 (1.138)	39	779588			0.00- 96.41	46.41
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.957	17.957 (1.149)	58	732850	50.0000	62.143	80.00- 120.00	100.00
17.957	17.957 (1.149)	43	1743172			168.02- 268.02	237.86
17.957	17.957 (1.149)	85	368989			2.69- 102.69	50.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.317	18.317 (1.172)	91	3298714	50.0000	56.782	80.00- 120.00	100.00
18.317	18.317 (1.172)	92	2024069			11.36- 111.36	61.36
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.759	18.759 (0.902)	75	1856840	50.0000	58.377	80.00- 120.00	100.00
18.759	18.759 (0.902)	77	584342			0.00- 81.47	31.47
18.759	18.759 (0.902)	39	781567			0.00- 92.09	42.09
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.118	19.118 (0.919)	97	1306794	50.0000	56.640	80.00- 120.00	100.00
19.118	19.118 (0.919)	99	801811			11.36- 111.36	61.36
19.118	19.118 (0.919)	83	1097345			33.97- 133.97	83.97
120 Tetrachloroethene					CAS #: 127-18-4		
19.284	19.284 (0.927)	166	1767136	50.0000	54.957	80.00- 120.00	100.00
19.284	19.284 (0.927)	129	1254990			21.02- 121.02	71.02
19.284	19.284 (0.927)	131	1194413			17.59- 117.59	67.59
121 2-Hexanone					CAS #: 591-78-6		
19.423	19.423 (0.934)	58	1079889	50.0000	57.173	80.00- 120.00	100.00
19.423	19.423 (0.934)	43	1841989			120.57- 220.57	170.57
19.423	19.423 (0.934)	100	225934			0.00- 74.50	20.92
122 Dibromochloromethane					CAS #: 124-48-1		
19.810	19.810 (0.952)	129	2446509	50.0000	60.326	80.00- 120.00	100.00
19.810	19.810 (0.952)	127	1908138			25.33- 125.33	77.99
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.059	20.059 (0.964)	107	2180055	50.0000	56.165	80.00- 120.00	100.00
20.059	20.059 (0.964)	109	2020182			42.67- 142.67	92.67
127 Chlorobenzene					CAS #: 108-90-7		
20.860	20.860 (1.003)	112	3058569	50.0000	54.582	80.00- 120.00	100.00
20.860	20.860 (1.003)	114	970408			0.00- 81.73	31.73
20.860	20.860 (1.003)	77	1785060			8.36- 108.36	58.36
128 Ethyl Benzene					CAS #: 100-41-4		
20.943	20.943 (1.007)	106	1621859	50.0000	57.149	80.00- 120.00	100.00
20.943	20.943 (1.007)	91	5172575			266.55- 366.55	318.93
129 m,p-Xylene					CAS #: 108-38-3		
21.137	21.137 (1.016)	106	2073308	50.0000	59.393	80.00- 120.00	100.00
21.137	21.137 (1.016)	91	4147585			157.11- 257.11	200.05
130 o-Xylene					CAS #: 95-47-6		
21.856	21.856 (1.050)	106	1953404	50.0000	59.572	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.828	21.828 (1.049)	91	4097333			159.75- 259.75	209.75
131 Styrene					CAS #: 100-42-5		
21.883	21.883 (1.052)	104	3175910	50.0000	59.767	80.00- 120.00	100.00
21.883	21.883 (1.052)	78	1657928			2.20- 102.20	52.20
133 Bromoform					CAS #: 75-25-2		
22.270	22.270 (1.070)	173	2576229	50.0000	60.936	80.00- 120.00	100.00
22.270	22.270 (1.070)	171	1316230			1.09- 101.09	51.09
134 Cumene					CAS #: 98-82-8		
22.409	22.409 (1.077)	105	5515322	50.0000	58.845	80.00- 120.00	100.00
22.409	22.409 (1.077)	120	1433133			0.00- 74.52	25.98
22.409	22.409 (1.077)	51	457500			51.79- 151.79	8.30
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.017	23.017 (1.106)	83	3010269	50.0000	58.575	80.00- 120.00	100.00
23.017	23.017 (1.106)	85	1954162			14.92- 114.92	64.92
142 Propylbenzene					CAS #: 103-65-1		
23.100	23.100 (1.110)	91	7077187	50.0000	59.702	80.00- 120.00	100.00
23.100	23.100 (1.110)	120	1550488			0.00- 71.52	21.91
23.100	23.100 (1.110)	105	259041			0.00- 53.54	3.66
145 4-Ethyltoluene					CAS #: 622-96-8		
23.294	23.294 (1.120)	105	6300923	50.0000	63.110	80.00- 120.00	100.00
23.294	23.294 (1.120)	120	1914794			0.00- 80.39	30.39
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.376	23.376 (1.124)	105	5019526	50.0000	61.778	80.00- 120.00	100.00
23.404	23.404 (1.125)	120	2464577			0.29- 100.29	49.10
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.012	24.012 (1.154)	105	4832038	50.0000	63.897	80.00- 120.00	100.00
24.040	24.040 (1.155)	120	2247425			0.00- 94.69	46.51
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.593	24.593 (1.182)	146	3362588	50.0000	58.753	80.00- 120.00	100.00
24.593	24.593 (1.182)	148	2168529			14.61- 114.61	64.49
24.593	24.593 (1.182)	111	1400290			0.00- 92.01	41.64
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.731	24.731 (1.189)	146	3495488	50.0000	58.780	80.00- 120.00	100.00
24.731	24.731 (1.189)	148	2210848			13.83- 113.83	63.25
24.731	24.731 (1.189)	111	1416550			0.00- 89.75	40.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.953	24.953 (1.199)	91	4975992	50.0000	60.471	80.00- 120.00	100.00
24.953	24.953 (1.199)	126	969690			0.00- 69.65	19.49
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.367	25.367 (1.219)	146	3269606	50.0000	59.576	80.00- 120.00	100.00
25.367	25.367 (1.219)	148	2085603			13.79- 113.79	63.79
25.367	25.367 (1.219)	111	1391482			0.00- 92.56	42.56
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.132	28.132 (1.352)	180	2113496	50.0000	56.144	80.00- 120.00	100.00
28.132	28.132 (1.352)	182	2013204			45.25- 145.25	95.25
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.326	28.326 (1.361)	225	2120760	50.0000	61.723	80.00- 120.00	100.00
28.326	28.326 (1.361)	223	1323075			13.46- 113.46	62.39
29 Isopentane					CAS #: 78-78-4		
8.266	8.266 (0.596)	43	992549	50.0000	57.696	80.00- 120.00	100.00
8.294	8.294 (0.598)	57	728017			26.79- 126.79	73.35
19 Butane					CAS #: 106-97-8		
6.830	6.830 (0.493)	58	168917	50.0000	55.290	80.00- 120.00	100.00
6.830	6.830 (0.493)	43	1263193			672.59- 772.59	747.82
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.354	16.354 (1.179)	83	1531231	50.0000	51.971	80.00- 120.00	100.00
16.354	16.354 (1.179)	98	688468			0.00- 95.49	44.96
16.354	16.354 (1.179)	55	1097107			16.76- 116.76	71.65
167 Naphthalene					CAS #: 91-20-3		
28.685	28.685 (1.379)	128	3241771	50.0000	52.244	80.00- 120.00	100.00
28.685	28.685 (1.379)	127	399179			0.00- 62.56	12.31

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011502.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	314795	0.00
97 1,4-Difluorobenze	1206212	723727	1688697	1206212	0.00
126 Chlorobenzene-d5	1175335	705201	1645469	1175335	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

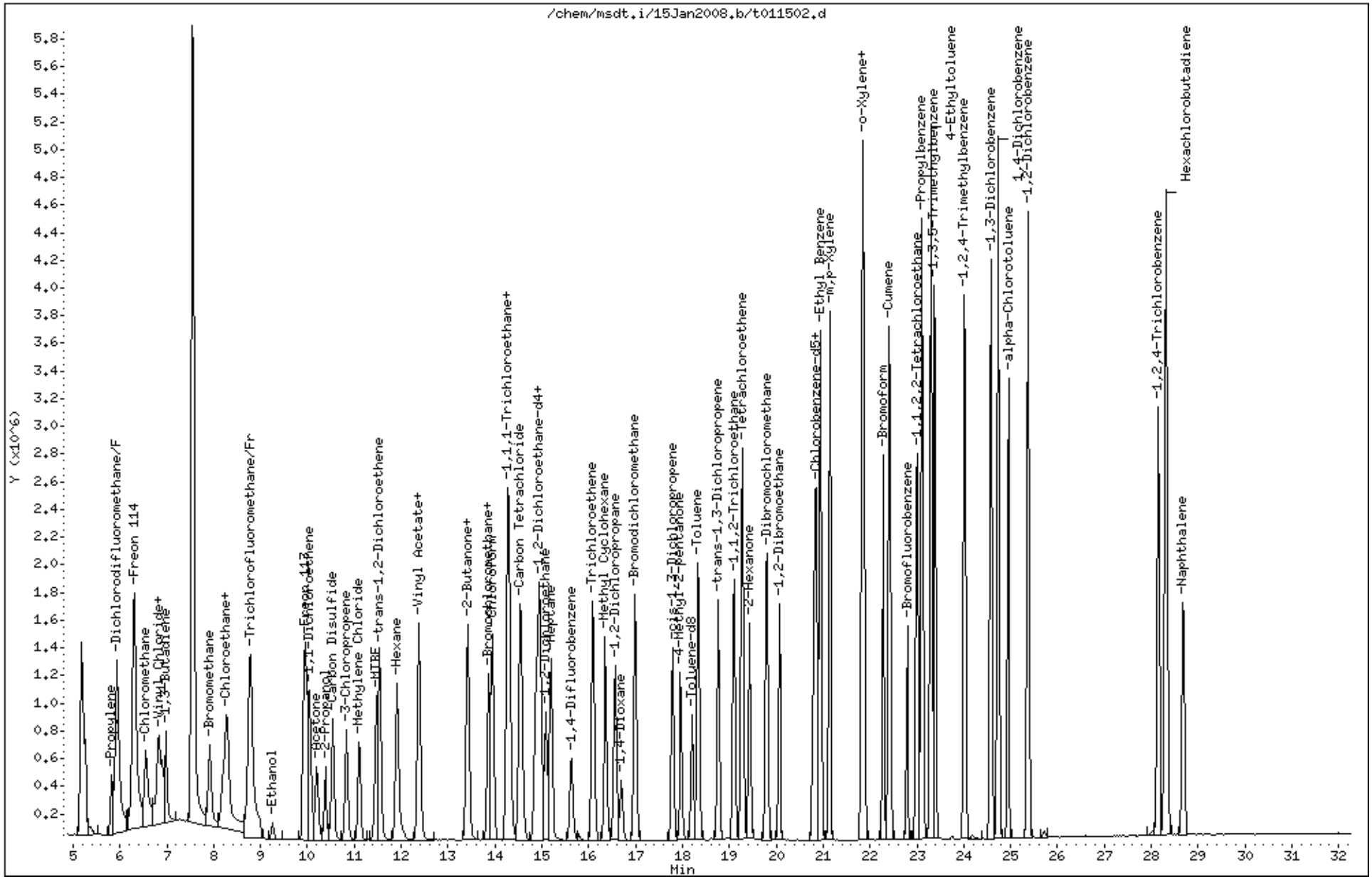
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0192

Data File: /chem/msdt.i/15Jan2008.b/t011502.d
Date : 15-JAN-2008 08:59
Client ID: CCV-1
Sample Info: 50mL #1576-197

Instrument: msdt.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0801138-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 09:43 AM**	

Compound	%Recovery
Freon 12	104
Freon 114	103
Vinyl Chloride	107
Bromomethane	100
Chloroethane	106
Freon 11	105
1,1-Dichloroethene	124
Freon 113	113
Methylene Chloride	109
1,1-Dichloroethane	114
cis-1,2-Dichloroethene	108
Chloroform	118
1,1,1-Trichloroethane	109
Carbon Tetrachloride	109
Benzene	121
1,2-Dichloroethane	119
Trichloroethene	117
1,2-Dichloropropane	120
cis-1,3-Dichloropropene	121
Toluene	116
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	107
Tetrachloroethene	106
1,2-Dibromoethane (EDB)	103
Chlorobenzene	103
Ethyl Benzene	107
m,p-Xylene	112
o-Xylene	112
Styrene	113
1,1,2,2-Tetrachloroethane	108
1,3,5-Trimethylbenzene	115
1,2,4-Trimethylbenzene	116
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	117
1,2-Dichlorobenzene	108
1,3-Butadiene	106
Hexane	101
Cyclohexane	110

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0801138-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t011503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/15/08 09:43 AM**	

Compound	%Recovery
Heptane	108
Bromodichloromethane	122
Dibromochloromethane	112
Cumene	113
Propylbenzene	112
Chloromethane	96
1,2,4-Trichlorobenzene	110
Hexachlorobutadiene	114
Acetone	103
Carbon Disulfide	105
2-Propanol	111
trans-1,2-Dichloroethene	105
2-Butanone (Methyl Ethyl Ketone)	108
Tetrahydrofuran	119
1,4-Dioxane	115
4-Methyl-2-pentanone	122
2-Hexanone	109
Bromoform	114
4-Ethyltoluene	114
Ethanol	128
Methyl tert-butyl ether	108
3-Chloropropene	102
2,2,4-Trimethylpentane	91
Naphthalene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130

Report Date: 15-Jan-2008 10:02

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Jan2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lo
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	52.236	104.47	70-130
16 Freon 114	50.000	51.704	103.41	70-130
18 Chloromethane	50.000	47.776	95.55	70-130
20 Vinyl Chloride	50.000	53.608	107.22	70-130
22 1,3-Butadiene	50.000	53.218	106.44	60-140
25 Bromomethane	50.000	50.071	100.14	70-130
27 Chloroethane	50.000	52.807	105.61	70-130
31 Trichlorofluoromet	50.000	52.467	104.93	70-130
38 Ethanol	50.000	64.073	128.15	60-140
42 Freon 113	50.000	56.508	113.02	70-130
43 1,1-Dichloroethene	50.000	61.752	123.50	70-130
45 Acetone	50.000	51.697	103.39	60-140
47 Carbon Disulfide	50.000	52.509	105.02	60-140
46 2-Propanol	50.000	55.529	111.06	60-140
54 Methylene Chloride	50.000	54.686	109.37	70-130
60 MTBE	50.000	54.038	108.08	60-140
61 trans-1,2-Dichloro	50.000	52.691	105.38	60-140
65 Hexane	50.000	50.558	101.12	60-140
69 Vinyl Acetate	50.000	50.276	100.55	60-140
70 1,1-Dichloroethane	50.000	57.132	114.27	70-130
76 cis-1,2-Dichloroet	50.000	53.836	107.67	70-130
75 2-Butanone	50.000	53.792	107.58	60-140
80 Tetrahydrofuran	50.000	59.626	119.25	60-140
82 Chloroform	50.000	58.887	117.77	70-130
85 Cyclohexane	50.000	54.945	109.89	60-140
83 1,1,1-Trichloroeth	50.000	54.390	108.78	70-130
87 Carbon Tetrachlori	50.000	54.406	108.81	70-130
91 Benzene	50.000	60.513	121.03	70-130
93 1,2-Dichloroethane	50.000	59.622	119.24	70-130
94 Heptane	50.000	54.016	108.03	60-140
101 Trichloroethene	50.000	58.743	117.49	70-130
104 1,2-Dichloropropan	50.000	60.164	120.33	70-130
106 1,4-Dioxane	50.000	57.434	114.87	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	60.839	121.68	60-140
110 cis-1,3-Dichloropr	50.000	60.395	120.79	70-130
111 4-Methyl-2-pentano	50.000	61.255	122.51	60-140
114 Toluene	50.000	57.947	115.89	70-130
116 trans-1,3-Dichloro	50.000	54.568	109.14	70-130
117 1,1,2-Trichloroeth	50.000	53.512	107.02	70-130
120 Tetrachloroethene	50.000	53.032	106.06	70-130
121 2-Hexanone	50.000	54.535	109.07	60-140
122 Dibromochlorometha	50.000	56.272	112.54	60-140
123 1,2-Dibromoethane	50.000	51.410	102.82	70-130
127 Chlorobenzene	50.000	51.370	102.74	70-130
128 Ethyl Benzene	50.000	53.320	106.64	70-130
129 m,p-Xylene	50.000	55.778	111.56	70-130
130 o-Xylene	50.000	56.102	112.20	70-130
131 Styrene	50.000	56.556	113.11	70-130
133 Bromoform	50.000	56.926	113.85	60-140
140 1,1,2,2-Tetrachlor	50.000	54.255	108.51	70-130
145 4-Ethyltoluene	50.000	57.176	114.35	60-140
147 1,3,5-Trimethylben	50.000	57.423	114.85	70-130
150 1,2,4-Trimethylben	50.000	58.261	116.52	70-130
155 1,3-Dichlorobenzen	50.000	54.630	109.26	70-130
156 1,4-Dichlorobenzen	50.000	54.238	108.48	70-130
159 alpha-Chlorotoluen	50.000	58.471	116.94	70-130
161 1,2-Dichlorobenzen	50.000	54.274	108.55	70-130
165 1,2,4-Trichloroben	50.000	55.211	110.42	70-130
166 Hexachlorobutadien	50.000	57.043	114.09	70-130
142 Propylbenzene	50.000	55.948	111.90	60-140
134 Cumene	50.000	56.546	113.09	60-140
51 3-Chloropropene	50.000	51.269	102.54	60-140
89 2,2,4-Trimethylpen	50.000	45.376	90.75	60-140
19 Butane	50.000	55.369	110.74	70-130
29 Isopentane	50.000	51.400	102.80	70-130
102 Methyl Cyclohexane	50.000	49.533	99.07	70-130
11 Propylene	50.000	55.462	110.92	60-140
167 Naphthalene	50.000	47.085	94.17	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.926	103.70	70-130
$ 113 Toluene-d8	25.000	26.568	106.27	70-130
$ 137 Bromofluorobenzene	25.000	25.337	101.35	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Jan2008.b/t011503.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 15-JAN-2008 09:43
Operator : lo Inst ID: msdt.i
Smp Info : 50mL #1576-169
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/15Jan2008.b/t14q1213c.m
Meth Date : 15-Jan-2008 09:19 lover Quant Type: ISTD
Cal Date : 02-JAN-2008 12:48 Cal File: t010205.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.858	13.865 (1.000)	130	341015	25.0000		80.00- 120.00	100.00
13.858	13.865 (1.000)	128	257342			27.67- 127.67	75.46
13.858	13.865 (1.000)	49	571338			129.24- 229.24	167.54
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.627	15.635 (1.000)	114	1290514	25.0000		80.00- 120.00	100.00
15.627	15.635 (1.000)	88	207844			0.00- 66.05	16.11
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.805 (1.000)	117	1267970	25.0000		80.00- 120.00	100.00
20.798	20.805 (1.000)	82	704697			5.77- 105.77	55.58
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.943 (1.078)	65	562903	25.9257	25.926	80.00- 120.00	100.00
14.936	14.943 (1.078)	67	308608			3.93- 103.93	54.82
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.206 (1.165)	98	1300611	26.5676	26.568	80.00- 120.00	100.00
18.199	18.206 (1.165)	70	148930			0.00- 61.06	11.45

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.206 (1.165)	100	900632			18.52- 118.52	69.25
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.796 (1.096)	174	881136	25.3371	25.337	80.00- 120.00	100.00
22.789	22.796 (1.096)	95	1071100			72.30- 172.30	121.56
22.789	22.796 (1.096)	176	842116			46.85- 146.85	95.57
11 Propylene					CAS #: 115-07-1		
5.784	5.816 (0.417)	41	505124	55.4619	55.462	80.00- 120.00	100.00
5.784	5.816 (0.417)	42	354317			17.44- 117.44	70.14
5.784	5.816 (0.417)	39	408396			31.05- 131.05	80.85
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.895	5.929 (0.425)	85	3119936	52.2361	52.236	80.00- 120.00	100.00
5.895	5.929 (0.425)	87	985255			0.00- 82.50	31.58
16 Freon 114					CAS #: 76-14-2		
6.282	6.323 (0.453)	135	2018866	51.7045	51.704	80.00- 120.00	100.00
6.282	6.323 (0.453)	137	646236			0.00- 81.78	32.01
18 Chloromethane					CAS #: 74-87-3		
6.531	6.548 (0.471)	50	617231	47.7763	47.776	80.00- 120.00	100.00
6.531	6.548 (0.471)	52	202495			0.00- 83.59	32.81
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.886 (0.495)	62	866240	53.6078	53.608	80.00- 120.00	100.00
6.863	6.886 (0.495)	64	279369			0.00- 94.54	32.25
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.971 (0.501)	54	671286	53.2176	53.218	80.00- 120.00	100.00
6.946	6.971 (0.501)	39	649963			61.08- 161.08	96.82
25 Bromomethane					CAS #: 74-83-9		
7.913	7.928 (0.571)	94	856846	50.0711	50.071	80.00- 120.00	100.00
7.913	7.928 (0.571)	96	792239			41.67- 141.67	92.46
27 Chloroethane					CAS #: 75-00-3		
8.162	8.182 (0.589)	64	455315	52.8072	52.807	80.00- 120.00	100.00
8.162	8.182 (0.589)	49	119960			0.00- 76.61	26.35
8.162	8.210 (0.589)	66	146424			0.00- 85.87	32.16
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.770	8.801 (0.633)	101	3503021	52.4670	52.467	80.00- 120.00	100.00
8.770	8.801 (0.633)	103	2259132			14.85- 114.85	64.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.240	9.248 (0.667)	45	290132	64.0726	64.073	80.00- 120.00	100.00
9.240	9.248 (0.667)	43	66416			0.00- 74.87	22.89
9.240	9.248 (0.667)	46	104311			0.00- 88.05	35.95
42 Freon 113					CAS #: 76-13-1		
9.959	9.966 (0.719)	151	1697986	56.5078	56.508	80.00- 120.00	100.00
9.959	9.966 (0.719)	153	1081008			13.44- 113.44	63.66
9.932	9.966 (0.717)	101	2199891			82.27- 182.27	129.56
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.049 (0.725)	61	1626405	61.7517	61.752	80.00- 120.00	100.00
10.042	10.049 (0.725)	96	968632			6.58- 106.58	59.56
10.042	10.049 (0.725)	98	628599			0.00- 85.76	38.65
45 Acetone					CAS #: 67-64-1		
10.180	10.188 (0.735)	58	422754	51.6973	51.697	80.00- 120.00	100.00
10.180	10.188 (0.735)	43	1418628			264.94- 364.94	335.57
46 2-Propanol					CAS #: 67-63-0		
10.374	10.381 (0.749)	45	1504256	55.5295	55.529	80.00- 120.00	100.00
10.374	10.381 (0.749)	43	374320			0.00- 78.96	24.88
10.374	10.381 (0.749)	59	60478			0.00- 54.06	4.02
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.547 (0.761)	76	2636795	52.5093	52.509	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.816	10.824 (0.781)	76	439396	51.2688	51.269	80.00- 120.00	100.00
10.816	10.824 (0.781)	41	1031504			176.05- 276.05	234.75
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.100 (0.800)	49	909534	54.6864	54.686	80.00- 120.00	100.00
11.093	11.100 (0.800)	84	805052			32.40- 132.40	88.51
11.093	11.100 (0.800)	51	277173			0.00- 83.78	30.47
60 MTBE					CAS #: 1634-04-4		
11.452	11.460 (0.826)	73	3012473	54.0382	54.038	80.00- 120.00	100.00
11.452	11.460 (0.826)	57	574342			0.00- 69.37	19.07
11.452	11.460 (0.826)	41	586982			0.00- 70.94	19.49
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.535	11.543 (0.832)	96	1063302	52.6908	52.691	80.00- 120.00	100.00
11.535	11.543 (0.832)	61	1508102			97.42- 197.42	141.83
11.535	11.570 (0.832)	98	689370			15.85- 115.85	64.83

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.902 (0.858)	57	1416530	50.5576	50.558	80.00- 120.00	100.00
11.895	11.902 (0.858)	43	812874			8.15- 108.15	57.38
11.895	11.902 (0.858)	86	251947			0.00- 69.59	17.79
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.372 (0.892)	86	251371	50.2764	50.276	80.00- 120.00	100.00
12.365	12.372 (0.892)	43	2360654			903.55-1003.55	939.11
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.372 (0.892)	63	2010877	57.1326	57.132	80.00- 120.00	100.00
12.365	12.372 (0.892)	65	650226			0.00- 82.24	32.34
75 2-Butanone					CAS #: 78-93-3		
13.388	13.395 (0.966)	72	501154	53.7918	53.792	80.00- 120.00	100.00
13.388	13.395 (0.966)	43	1699199			310.00- 410.00	339.06
13.388	13.395 (0.966)	57	147761			0.00- 78.78	29.48
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.415	13.423 (0.968)	61	1330775	53.8362	53.836	80.00- 120.00	100.00
13.415	13.423 (0.968)	96	1075133			24.62- 124.62	80.79
13.415	13.423 (0.968)	98	678940			0.00- 97.19	51.02
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.865 (1.000)	42	885240	59.6261	59.626	80.00- 120.00	100.00
13.858	13.865 (1.000)	71	450008			0.00- 99.65	50.83
13.858	13.865 (1.000)	72	492019			8.31- 108.31	55.58
82 Chloroform					CAS #: 67-66-3		
13.941	13.948 (1.006)	83	2425209	58.8872	58.887	80.00- 120.00	100.00
13.941	13.948 (1.006)	85	1567836			14.98- 114.98	64.65
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.280 (1.030)	97	2682532	54.3905	54.390	80.00- 120.00	100.00
14.273	14.280 (1.030)	99	1729808			14.48- 114.48	64.48
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.307 (1.032)	84	1382970	54.9450	54.945	80.00- 120.00	100.00
14.300	14.307 (1.032)	56	1353619			51.47- 151.47	97.88
14.300	14.307 (1.032)	41	726218			6.86- 106.86	52.51
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.529 (1.050)	119	2613532	54.4061	54.406	80.00- 120.00	100.00
14.549	14.529 (1.050)	117	2768851			56.83- 156.83	105.94
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.888 (1.074)	57	3184949	45.3760	45.376	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.881	14.888 (1.074)	56	1043071			0.00- 83.27	32.75
14.881	14.888 (1.074)	41	851188			0.00- 77.74	26.73
91 Benzene					CAS #: 71-43-2		
14.964	14.971 (0.958)	78	3118045	60.5132	60.513	80.00- 120.00	100.00
14.964	14.971 (0.958)	77	696096			0.00- 73.32	22.32
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.074	15.082 (0.965)	62	1534500	59.6220	59.622	80.00- 120.00	100.00
15.074	15.082 (0.965)	64	509746			0.00- 82.87	33.22
94 Heptane					CAS #: 142-82-5		
15.185	15.192 (0.972)	71	884121	54.0164	54.016	80.00- 120.00	100.00
15.185	15.192 (0.972)	43	1249427			77.60- 177.60	141.32
15.185	15.192 (0.972)	57	822983			32.99- 132.99	93.08
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.077 (1.028)	95	1398583	58.7429	58.743	80.00- 120.00	100.00
16.097	16.077 (1.030)	130	1320807			43.22- 143.22	94.44
16.097	16.077 (1.030)	97	891871			13.15- 113.15	63.77
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.567	16.575 (1.060)	63	1035937	60.1645	60.164	80.00- 120.00	100.00
16.567	16.575 (1.060)	62	733284			20.15- 120.15	70.78
16.567	16.575 (1.060)	41	604845			10.27- 110.27	58.39
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.685 (1.069)	88	784249	57.4344	57.434	80.00- 120.00	100.00
16.678	16.685 (1.067)	58	436467			8.50- 108.50	55.65
16.678	16.685 (1.067)	57	147584			0.00- 69.86	18.82
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.989 (1.087)	83	2519531	60.8392	60.839	80.00- 120.00	100.00
17.010	16.989 (1.088)	85	1634624			13.96- 113.96	64.88
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.791 (1.138)	75	1674796	60.3950	60.395	80.00- 120.00	100.00
17.784	17.791 (1.138)	77	532238			0.00- 81.64	31.78
17.784	17.791 (1.138)	39	755214			0.00- 96.41	45.09
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.957 (1.150)	58	772867	61.2550	61.255	80.00- 120.00	100.00
17.978	17.957 (1.150)	43	1779624			168.02- 268.02	230.26
17.978	17.957 (1.150)	85	403334			2.69- 102.69	52.19

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.317 (1.173)	91	3601707	57.9474	57.947	80.00- 120.00	100.00
18.337	18.317 (1.173)	92	2185203			11.36- 111.36	60.67
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.759 (0.902)	75	1872488	54.5682	54.568	80.00- 120.00	100.00
18.752	18.759 (0.902)	77	585459			0.00- 81.47	31.27
18.752	18.759 (0.902)	39	761520			0.00- 92.09	40.67
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.118 (0.919)	97	1331938	53.5124	53.512	80.00- 120.00	100.00
19.111	19.118 (0.919)	99	840670			11.36- 111.36	63.12
19.111	19.118 (0.919)	83	1118849			33.97- 133.97	84.00
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.284 (0.927)	166	1839654	53.0322	53.032	80.00- 120.00	100.00
19.277	19.284 (0.927)	129	1280140			21.02- 121.02	69.59
19.277	19.284 (0.927)	131	1208092			17.59- 117.59	65.67
121 2-Hexanone					CAS #: 591-78-6		
19.415	19.423 (0.934)	58	1111246	54.5352	54.535	80.00- 120.00	100.00
19.415	19.423 (0.934)	43	1856281			120.57- 220.57	167.05
19.415	19.423 (0.934)	100	242106			0.00- 74.50	21.79
122 Dibromochloromethane					CAS #: 124-48-1		
19.802	19.810 (0.952)	129	2461978	56.2721	56.272	80.00- 120.00	100.00
19.802	19.810 (0.952)	127	1876825			25.33- 125.33	76.23
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.059 (0.964)	107	2152751	51.4099	51.410	80.00- 120.00	100.00
20.051	20.059 (0.964)	109	2002301			42.67- 142.67	93.01
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.860 (1.003)	112	3105444	51.3703	51.370	80.00- 120.00	100.00
20.853	20.860 (1.003)	114	970760			0.00- 81.73	31.26
20.853	20.860 (1.003)	77	1874890			8.36- 108.36	60.37
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.943 (1.007)	106	1632457	53.3198	53.320	80.00- 120.00	100.00
20.936	20.943 (1.007)	91	5177943			266.55- 366.55	317.19
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.137 (1.016)	106	2100569	55.7775	55.778	80.00- 120.00	100.00
21.130	21.137 (1.016)	91	4186755			157.11- 257.11	199.32
130 o-Xylene					CAS #: 95-47-6		
21.849	21.856 (1.051)	106	1984613	56.1024	56.102	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.828 (1.051)	91	4161836			159.75- 259.75	209.71
131 Styrene					CAS #: 100-42-5		
21.876	21.883 (1.052)	104	3242138	56.5559	56.556	80.00- 120.00	100.00
21.876	21.883 (1.052)	78	1654509			2.20- 102.20	51.03
133 Bromoform					CAS #: 75-25-2		
22.291	22.270 (1.072)	173	2596364	56.9261	56.926	80.00- 120.00	100.00
22.291	22.270 (1.072)	171	1326473			1.09- 101.09	51.09
134 Cumene					CAS #: 98-82-8		
22.429	22.409 (1.078)	105	5717607	56.5462	56.546	80.00- 120.00	100.00
22.429	22.409 (1.078)	120	1483318			0.00- 74.52	25.94
22.429	22.409 (1.078)	51	462979			51.79- 151.79	8.10
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.017 (1.106)	83	3008033	54.2553	54.255	80.00- 120.00	100.00
23.010	23.017 (1.106)	85	1938052			14.92- 114.92	64.43
142 Propylbenzene					CAS #: 103-65-1		
23.120	23.100 (1.112)	91	7154851	55.9480	55.948	80.00- 120.00	100.00
23.120	23.100 (1.112)	120	1603406			0.00- 71.52	22.41
23.120	23.100 (1.112)	105	261126			0.00- 53.54	3.65
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.294 (1.120)	105	6158438	57.1761	57.176	80.00- 120.00	100.00
23.286	23.294 (1.120)	120	1838289			0.00- 80.39	29.85
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.376 (1.125)	105	5033439	57.4231	57.423	80.00- 120.00	100.00
23.397	23.404 (1.125)	120	2466482			0.29- 100.29	49.00
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.012 (1.156)	105	4753044	58.2608	58.261	80.00- 120.00	100.00
24.033	24.040 (1.156)	120	2198501			0.00- 94.69	46.25
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.593 (1.182)	146	3373048	54.6304	54.630	80.00- 120.00	100.00
24.586	24.593 (1.182)	148	2186109			14.61- 114.61	64.81
24.586	24.593 (1.182)	111	1395190			0.00- 92.01	41.36
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.731 (1.189)	146	3479618	54.2385	54.238	80.00- 120.00	100.00
24.724	24.731 (1.189)	148	2204648			13.83- 113.83	63.36
24.724	24.731 (1.189)	111	1371853			0.00- 89.75	39.43

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.953 (1.199)	91	5190653	58.4709	58.471	80.00- 120.00	100.00
24.945	24.953 (1.199)	126	995755			0.00- 69.65	19.18
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.367 (1.219)	146	3213370	54.2739	54.274	80.00- 120.00	100.00
25.360	25.367 (1.219)	148	2063328			13.79- 113.79	64.21
25.360	25.367 (1.219)	111	1383584			0.00- 92.56	43.06
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.132 (1.354)	180	2242186	55.2109	55.211	80.00- 120.00	100.00
28.153	28.132 (1.354)	182	2113945			45.25- 145.25	94.28
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.326 (1.362)	225	2114447	57.0433	57.043	80.00- 120.00	100.00
28.319	28.326 (1.362)	223	1313740			13.46- 113.46	62.13
29 Isopentane					CAS #: 78-78-4		
8.245	8.266 (0.595)	43	957894	51.4004	51.400	80.00- 120.00	100.00
8.273	8.294 (0.597)	57	730374			26.79- 126.79	76.25
19 Butane					CAS #: 106-97-8		
6.780	6.830 (0.489)	58	183245	55.3687	55.369	80.00- 120.00	100.00
6.780	6.830 (0.489)	43	1219351			672.59- 772.59	665.42
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.354 (1.180)	83	1580968	49.5331	49.533	80.00- 120.00	100.00
16.346	16.354 (1.180)	98	722595			0.00- 95.49	45.71
16.346	16.354 (1.180)	55	1114451			16.76- 116.76	70.49
167 Naphthalene					CAS #: 91-20-3		
28.678	28.685 (1.379)	128	3151885	47.0848	47.085	80.00- 120.00	100.00
28.678	28.685 (1.379)	127	383876			0.00- 62.56	12.18

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t011503.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/15Jan2008.b/t14q1213c.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 15-JAN-2008
Calibration Time: 08:59
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	314795	188877	440713	341015	8.33
97 1,4-Difluorobenze	1206212	723727	1688697	1290514	6.99
126 Chlorobenzene-d5	1175335	705201	1645469	1267970	7.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.86	-0.05
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	-0.05
126 Chlorobenzene-d5	20.81	20.48	21.14	20.80	-0.03

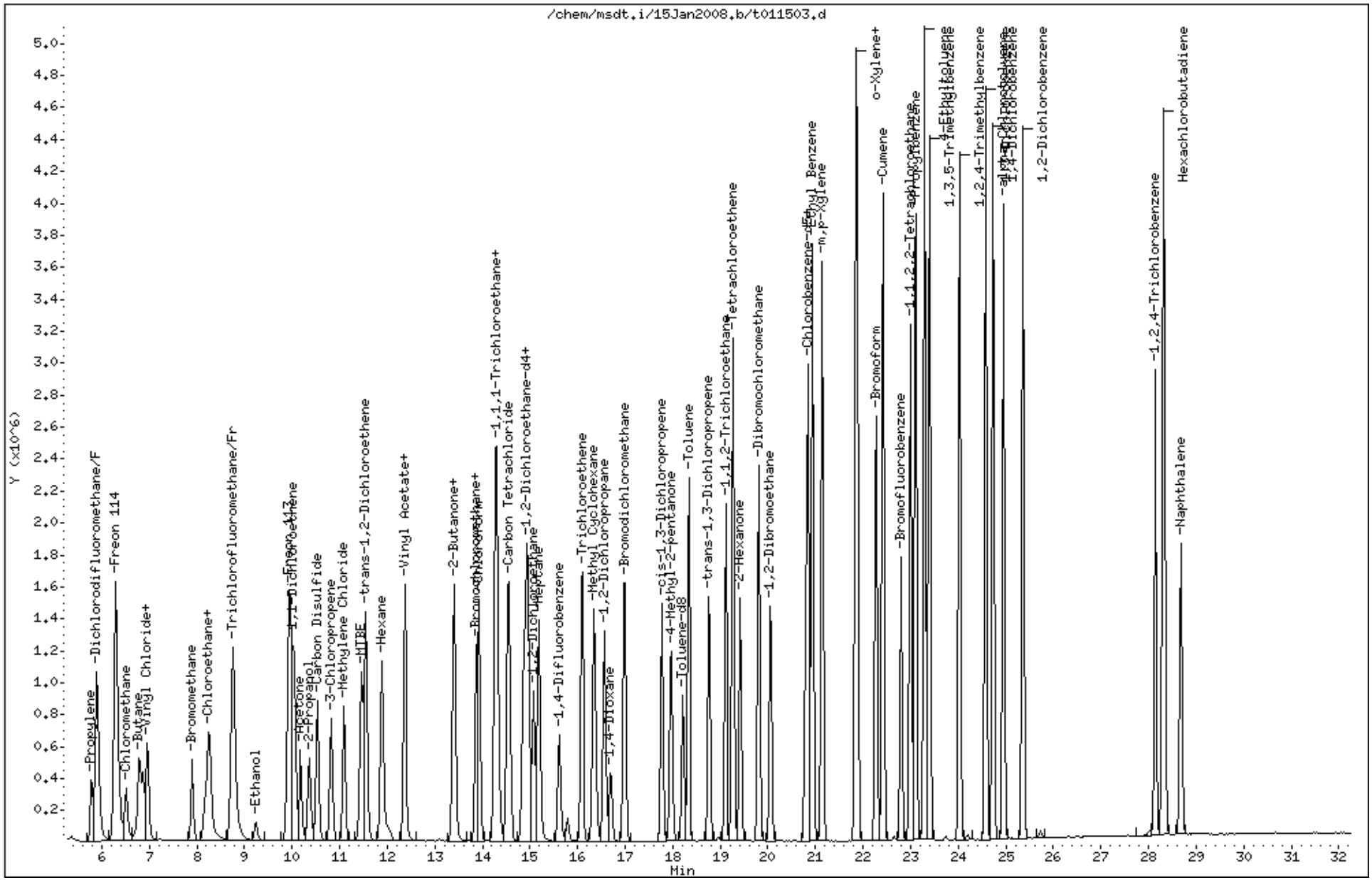
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0206

Data File: /chem/msdt.i/15Jan2008.b/t011503.d
Date : 15-JAN-2008 09:43
Client ID: LCS-1
Sample Info: 50mL #1576-169

Instrument: msdt.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



@ Air Toxics Ltd. **MSD-T** **Logbook #: 1599**

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.45
75	30.0 – 60.0% of mass 95	55.94
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.52
173	Less than 2.0% of mass 174	(0.91)[1]
174	Greater than 50.0% of mass 95	69.84
175	5.0 – 9.0% of mass 174	(7.38)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.55)[1]
177	5.0 – 9.0% of mass 176	(6.71)[2]

[1] - *value in parenthesis is % mass 174* [2] - *value in parenthesis is % mass 176*

BFB Injection Date: 11/5/08
BFB Injection Time: 0838
BFB File ID: ~~FB 11/5/08 Form~~ T011501
Tekmar Purge Flow: NA
Vacuum: 4.29e-005

IS/S Std.#:	1443-398	Exp. Date: 3/23/08
BCM	314795	
1,4-DFB	1206212	
CB-d5	1175335	

Verified CCV IS vs ICAL mid-point (- 40%D) LO (initials)

Verify 176/174 m/z Ratio: 850112/880469 x100 = 96.552

NOAH Cart #: NA **File #:** NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1195219\ )}{(\ 1206212\ )} \times \frac{(\ 25.00\ )}{(\ 0.94836\ )} = 26.12105$

Reported Result 26.121

File ID:	T011502
Compound:	Tol-d8
Initials:	LO

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
				~~LO 11/5/08~~							
1	✓	T011501	BFB Tune Check	1467-69 ~~1476~~	50ng	2uL	1.00	11/5/08	0838	LO/KR	
2	✓	02	CCV-1 #1576-197	200ppbv	50ppbv	50mL			0859	LO/KR	
3	✓	03	LCS-1 #1576-169	200ppbv	50ppbv	50mL			0943	LO/KR	
4	✓	04	Lab Blank	12009	Humid	200mL	↓		1034	LO/KR	
5	✓	05	080109 8A-01AA	33398	4.5" Hg/15psi	15mL	31.7		1124	LO/KR	RR 50mL
6	✓	06	-01A	↓	↓	50mL	9.52		1211	LO/KR	
7	✓	07	-02A	12365	30" Hg/15psi	50mL	8.96		1253	LO/KR	
8	✓	08	-03A	20804	2.5" Hg/15psi	50mL	8.80		1334	LO/KR	Surr + matrix
9	✓	09	080188 -02A	1L bag	Lee #3 EFF AIR	200mL	1.00	↓	1428	LO/KR	

Laura Overmyer
Signature

11/5/08
Date

@ Air Toxics Ltd. Folio 11/5/08

MSD-T

Logbook #: 1599

0208

10	✓	~~Toll5to 5001188-01A~~	0801188-01A	1L bag	LRP#2 EFF AIR	5mL	40.0	11/5/08	1511	KR	Diluted for NT
11	X	Toll5 11	0801187-01A	1L Bag	EFF AIR	50mL	4.00		1603	KR	RR 25mL
12	✓	12	0801115A-01A	12071	5.0"Hg-5psi	200mL	1.61		1641	KR	
13	✓	13	0801187-01A	1L Bag	EFF AIR	25mL	8.00		1719	KR	
14	✓	14	0801115A-02A	33935	4.5"Hg-5psi	200mL	1.58		1758	KR	
15	✓	15	-03A	33897	4.5"Hg-5psi	200mL	1.58		1836	KR	
16	✓	16	-04A	33906	6.5"Hg-5psi	200mL	1.71		1914	KR	
17	✓	17	-02AA	33935	4.5"Hg-5psi	200mL	1.58		1957	KR	
18	✓	18	0801165B-04A	9432	10.0"Hg-15psi	200mL	3.03		2035	KR	
19	✓	19	0801129A-01A	14887	5.0"Hg-5psi	200mL	1.61		2121	KR	
20	✓	20	-02A	34260	8.0"Hg-5psi	200mL	1.83		2159	KR	
21	✓	21	-03A	902	8.0"Hg-5psi	200mL	1.83		2243	KR/FO	
22	✓	22	-04A	9462	5.0"Hg-15psi	200mL	1.61		2343	KR	
23	✓	23	0801130-01A	939	10.0"Hg-5psi	200mL	3.35	11/6/08	0031	KR	
24	✓	24	-02A	34732	10.0"Hg-5psi	200mL	2.01		0109	KR	
25	✓	25	-02AA	↓	↓	↓	2.01		0223	KR	
26	✓	26	0801144-01A	35253	3.0"Hg-5psi	200mL	1.49		0312	KR	
27	✓	27	-03A	25245	2.5"Hg-5psi	200mL	1.46		0355	KR/FO	
28	✓	28	-03A	33932	1.0"Hg-5psi	200mL	1.39		0519	FO	
29	X	29	-04A	35286	↓	150mL	1.85		0608	FO	too many samples in batch
30											
31					FO 11/6/08						
32											

Comments:

Signature

11/6/08
Date

Air Toxics Ltd.

Data file : /chem/msdt.i/13Dec2007.b/t121305.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 13-DEC-2007 17:17
Operator : srs Inst ID: msdt.i
Smp Info : 2uL #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/13Dec2007.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.110	8.228	-0.118	95	1614284			100.00- 100.00	100.00
8.110	8.228	-0.118	50	284354			15.00- 40.00	17.61
8.110	8.228	-0.118	75	792583			30.00- 60.00	49.10
8.110	8.228	-0.118	96	105678			5.00- 9.00	6.55
8.110	8.228	-0.118	173	9541			0.00- 2.00	0.77
8.110	8.228	-0.118	174	1237538			50.00- 100.00	76.66
8.110	8.228	-0.118	175	89501			5.00- 9.00	7.23
8.110	8.228	-0.118	176	1200814			95.00- 101.00	97.03
8.110	8.228	-0.118	177	77529			5.00- 9.00	6.46

Data File: /chem/msdt.i/13Dec2007.b/t121305.d

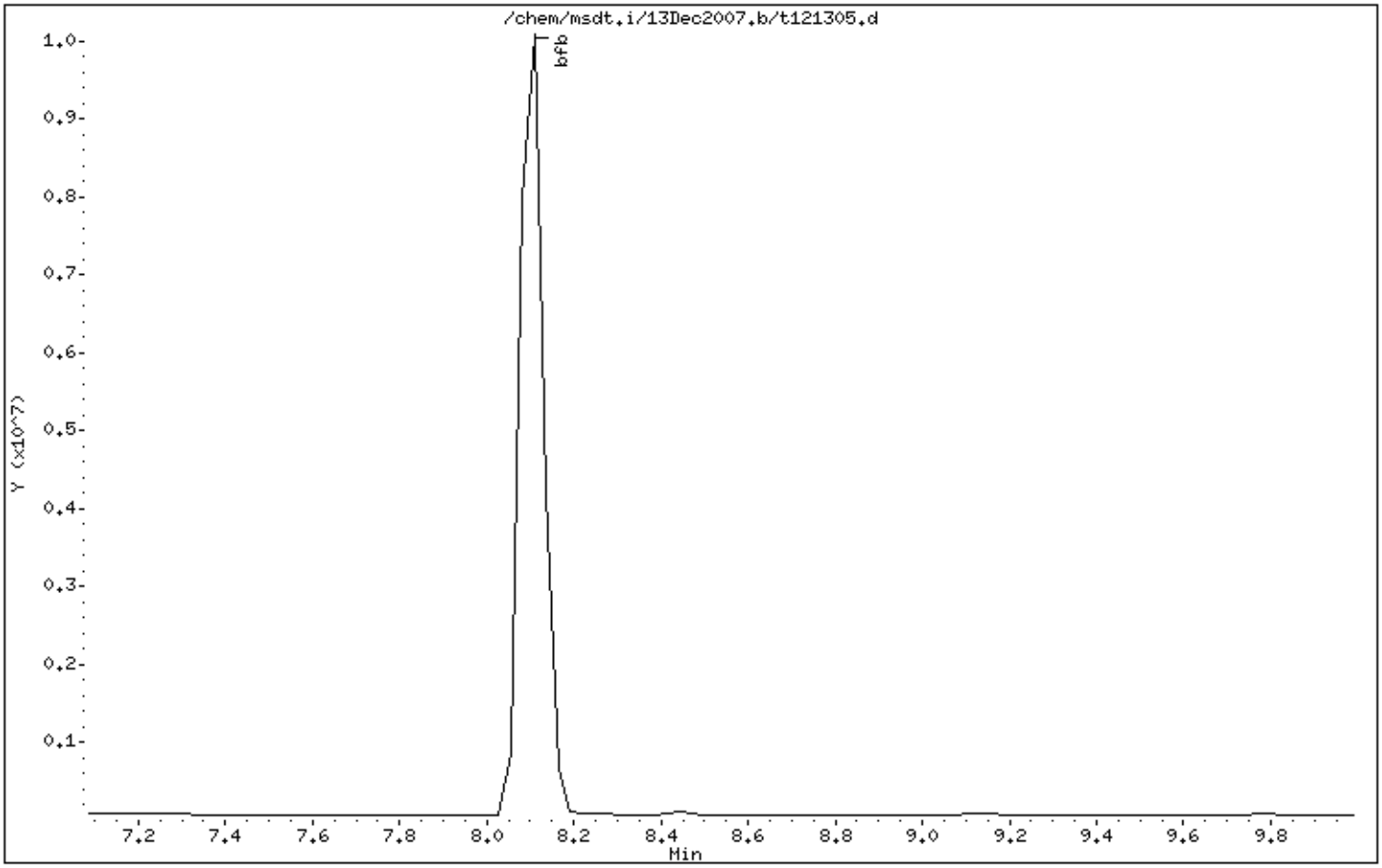
Date : 13-DEC-2007 17:17

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: srs

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/13Dec2007.b/t121305.d

Date : 13-DEC-2007 17:17

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1467-64;BFB Tune check;BFB Tune check

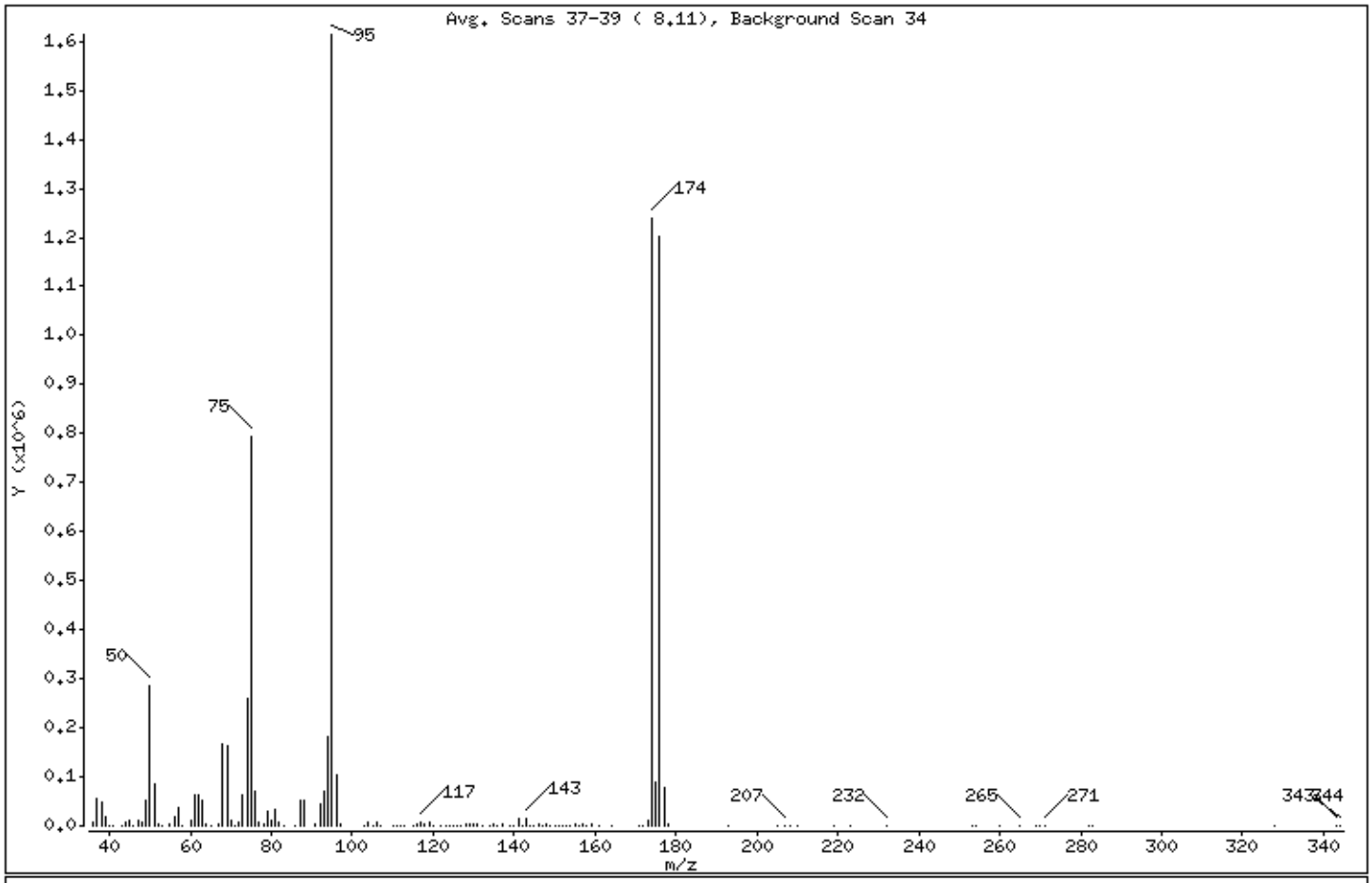
Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.61
75	30.00 - 60.00% of mass 95	49.10
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.59 (0.77)
174	50.00 - 100.00% of mass 95	76.66
175	5.00 - 9.00% of mass 174	5.54 (7.23)
176	95.00 - 101.00% of mass 174	74.39 (97.03)
177	5.00 - 9.00% of mass 176	4.80 (6.46)

Date : 13-DEC-2007 17:17

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: srs

Column phase: Column diameter: 2.00

Data File: t121305.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8956	74.00	259200	120.00	22	157.00	2717
37.00	54184	75.00	792576	122.00	280	158.00	274
38.00	48664	76.00	69168	123.00	479	159.00	1956
39.00	20136	77.00	7890	124.00	777	161.00	1767
40.00	816	78.00	4526	125.00	619	164.00	105
41.00	289	79.00	31240	126.00	562	171.00	334
43.00	245	80.00	10074	127.00	761	172.00	1391
44.00	5759	81.00	33360	128.00	5079	173.00	9541
45.00	11344	82.00	7267	129.00	2310	174.00	1237504
46.00	1064	83.00	673	130.00	5146	175.00	89496
47.00	12800	86.00	1234	131.00	2216	176.00	1200640
48.00	6441	87.00	53392	132.00	350	177.00	77528
49.00	53304	88.00	52592	134.00	567	178.00	2433
50.00	284352	91.00	4313	135.00	1989	193.00	272
51.00	84176	92.00	44096	136.00	490	205.00	129
52.00	3625	93.00	68696	137.00	2126	207.00	1490
53.00	229	94.00	182336	139.00	303	208.00	38
55.00	2625	95.00	1613824	140.00	886	210.00	116
56.00	19192	96.00	105672	141.00	13199	219.00	135
57.00	37840	97.00	3229	142.00	1564	223.00	133
58.00	1503	103.00	585	143.00	14142	232.00	152
60.00	11735	104.00	5709	144.00	777	253.00	301
61.00	62392	105.00	1813	145.00	1163	254.00	309
62.00	63872	106.00	5759	146.00	1917	260.00	132
63.00	51064	107.00	1486	147.00	1207	265.00	340
64.00	4579	110.00	584	148.00	3396	269.00	147
65.00	724	111.00	1003	149.00	1107	270.00	237
67.00	3638	112.00	707	150.00	1654	271.00	279
68.00	165440	113.00	930	151.00	222	282.00	156
69.00	163328	115.00	1224	152.00	645	283.00	225
70.00	11389	116.00	4543	153.00	1097	328.00	102
71.00	534	117.00	8344	154.00	799	343.00	216
72.00	7410	118.00	4789	155.00	3775	344.00	321
73.00	62552	119.00	6693	156.00	748		

Air Toxics Ltd.

Data file : /chem/msdt.i/19Dec2007.b/t121901.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 19-DEC-2007 09:36
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/19Dec2007.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.110	8.228	-0.118	95	1051246			100.00- 100.00	100.00
8.110	8.228	-0.118	50	243178			15.00- 40.00	23.13
8.110	8.228	-0.118	75	604420			30.00- 60.00	57.50
8.110	8.228	-0.118	96	68386			5.00- 9.00	6.51
8.110	8.228	-0.118	173	6331			0.00- 2.00	0.90
8.110	8.228	-0.118	174	706602			50.00- 100.00	67.22
8.110	8.228	-0.118	175	52002			5.00- 9.00	7.36
8.110	8.228	-0.118	176	682346			95.00- 101.00	96.57
8.110	8.228	-0.118	177	44606			5.00- 9.00	6.54

Data File: /chem/msdt.i/19Dec2007.b/t121901.d

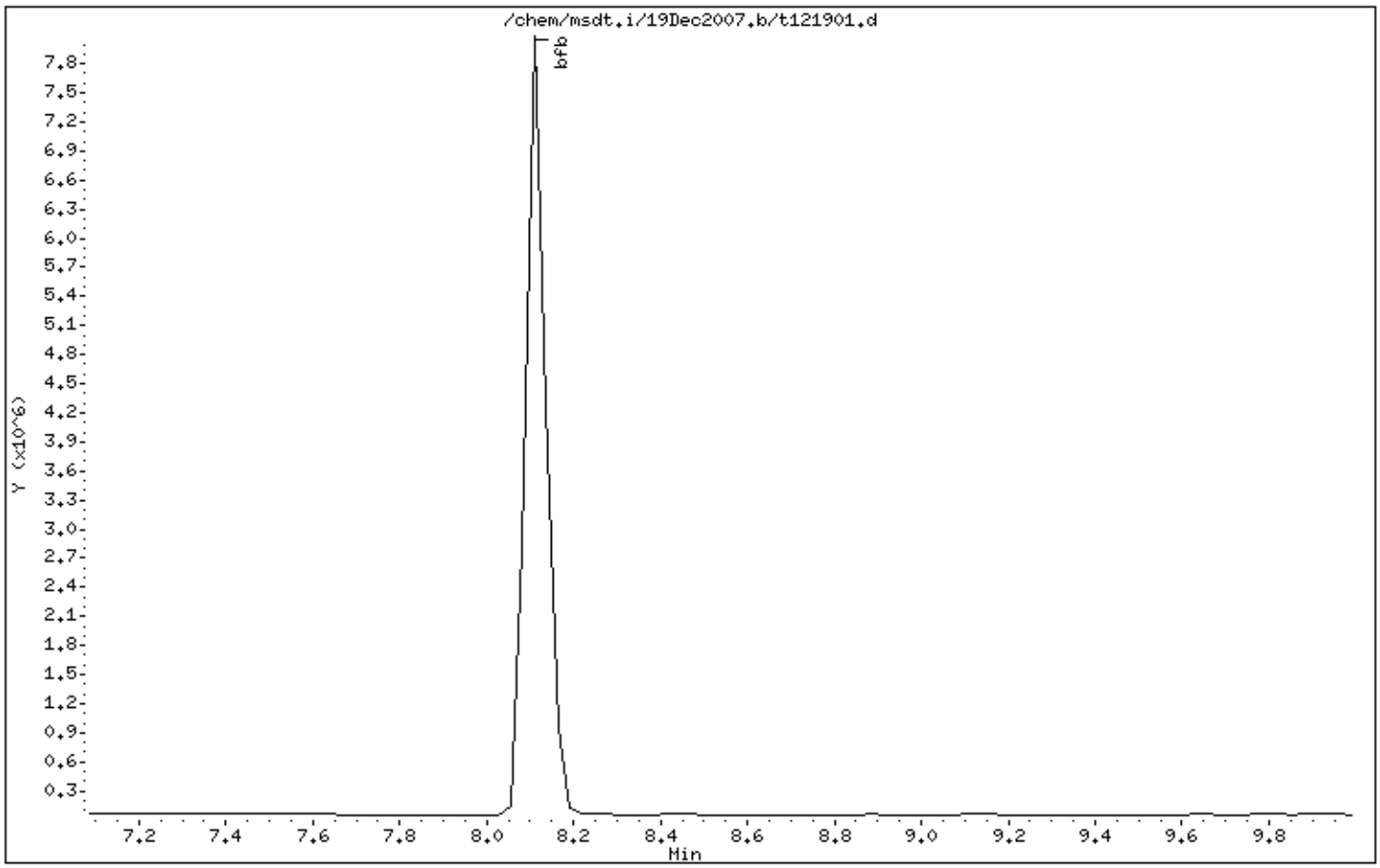
Date : 19-DEC-2007 09:36

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/19Dec2007.b/t121901.d

Date : 19-DEC-2007 09:36

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

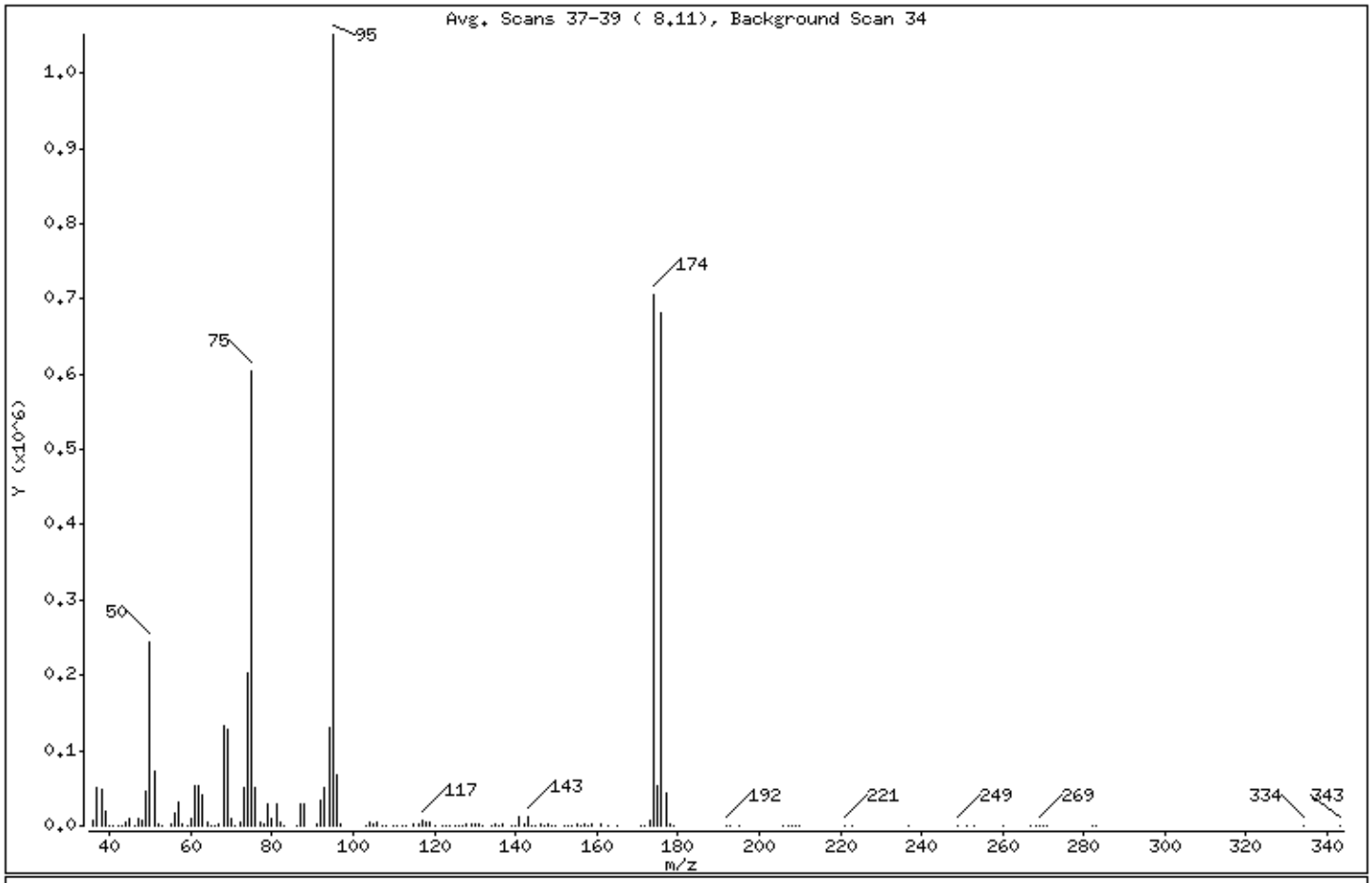
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.13
75	30.00 - 60.00% of mass 95	57.50
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.60 (0.90)
174	50.00 - 100.00% of mass 95	67.22
175	5.00 - 9.00% of mass 174	4.95 (7.36)
176	95.00 - 101.00% of mass 174	64.91 (96.57)
177	5.00 - 9.00% of mass 176	4.24 (6.54)

Data File: /chem/msdt.i/19Dec2007.b/t121901.d

Date : 19-DEC-2007 09:36

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t121901.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8404	74.00	202944	123.00	251	171.00	148
37.00	51416	75.00	604416	124.00	560	172.00	1122
38.00	48400	76.00	51776	125.00	287	173.00	6331
39.00	18552	77.00	5349	126.00	453	174.00	706560
40.00	581	78.00	2761	127.00	587	175.00	52000
41.00	155	79.00	28920	128.00	3622	176.00	682304
42.00	225	80.00	8739	129.00	1867	177.00	44600
43.00	223	81.00	29160	130.00	3552	178.00	1519
44.00	5233	82.00	5925	131.00	1626	179.00	247
45.00	10265	83.00	511	132.00	268	192.00	411
46.00	851	86.00	711	134.00	558	193.00	239
47.00	9916	87.00	29568	135.00	1700	195.00	407
48.00	6396	88.00	28888	136.00	286	206.00	102
49.00	44920	91.00	3447	137.00	1807	207.00	141
50.00	243136	92.00	32808	139.00	400	208.00	312
51.00	71584	93.00	50512	140.00	747	209.00	264
52.00	2963	94.00	130432	141.00	12045	210.00	114
53.00	182	95.00	1051136	142.00	1435	221.00	244
55.00	2744	96.00	68384	143.00	12451	223.00	100
56.00	16310	97.00	1806	144.00	642	237.00	113
57.00	31816	103.00	550	145.00	1175	249.00	427
58.00	1351	104.00	4540	146.00	1415	251.00	219
59.00	122	105.00	1775	147.00	791	253.00	199
60.00	9406	106.00	4379	148.00	2533	260.00	19
61.00	52072	107.00	1168	149.00	907	267.00	70
62.00	53240	108.00	100	150.00	1151	268.00	103
63.00	41832	110.00	619	152.00	399	269.00	170
64.00	3785	111.00	855	153.00	697	270.00	151
65.00	1027	112.00	653	154.00	602	271.00	106
66.00	114	113.00	936	155.00	2555	282.00	109
67.00	2705	115.00	1237	156.00	569	283.00	84
68.00	132928	116.00	3577	157.00	1758	334.00	101
69.00	128280	117.00	6470	158.00	513	343.00	105
70.00	9093	118.00	3806	159.00	1348		
71.00	273	119.00	4926	161.00	1590		

Date : 19-DEC-2007 09:36

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t121901.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	5797	120.00	115	163.00	607		
73.00	50888	122.00	265	165.00	386		

Air Toxics Ltd.

Data file : /chem/msdt.i/02Jan2008.b/t010201.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 02-JAN-2008 08:34
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/02Jan2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.110	8.228	-0.118	95	1698012			100.00- 100.00	100.00
8.110	8.228	-0.118	50	340490			15.00- 40.00	20.05
8.110	8.228	-0.118	75	887898			30.00- 60.00	52.29
8.110	8.228	-0.118	96	110941			5.00- 9.00	6.53
8.110	8.228	-0.118	173	10451			0.00- 2.00	0.84
8.110	8.228	-0.118	174	1243078			50.00- 100.00	73.21
8.110	8.228	-0.118	175	90701			5.00- 9.00	7.30
8.110	8.228	-0.118	176	1192769			95.00- 101.00	95.95
8.110	8.228	-0.118	177	76632			5.00- 9.00	6.42

Data File: /chem/msdt.i/02Jan2008.b/t010201.d

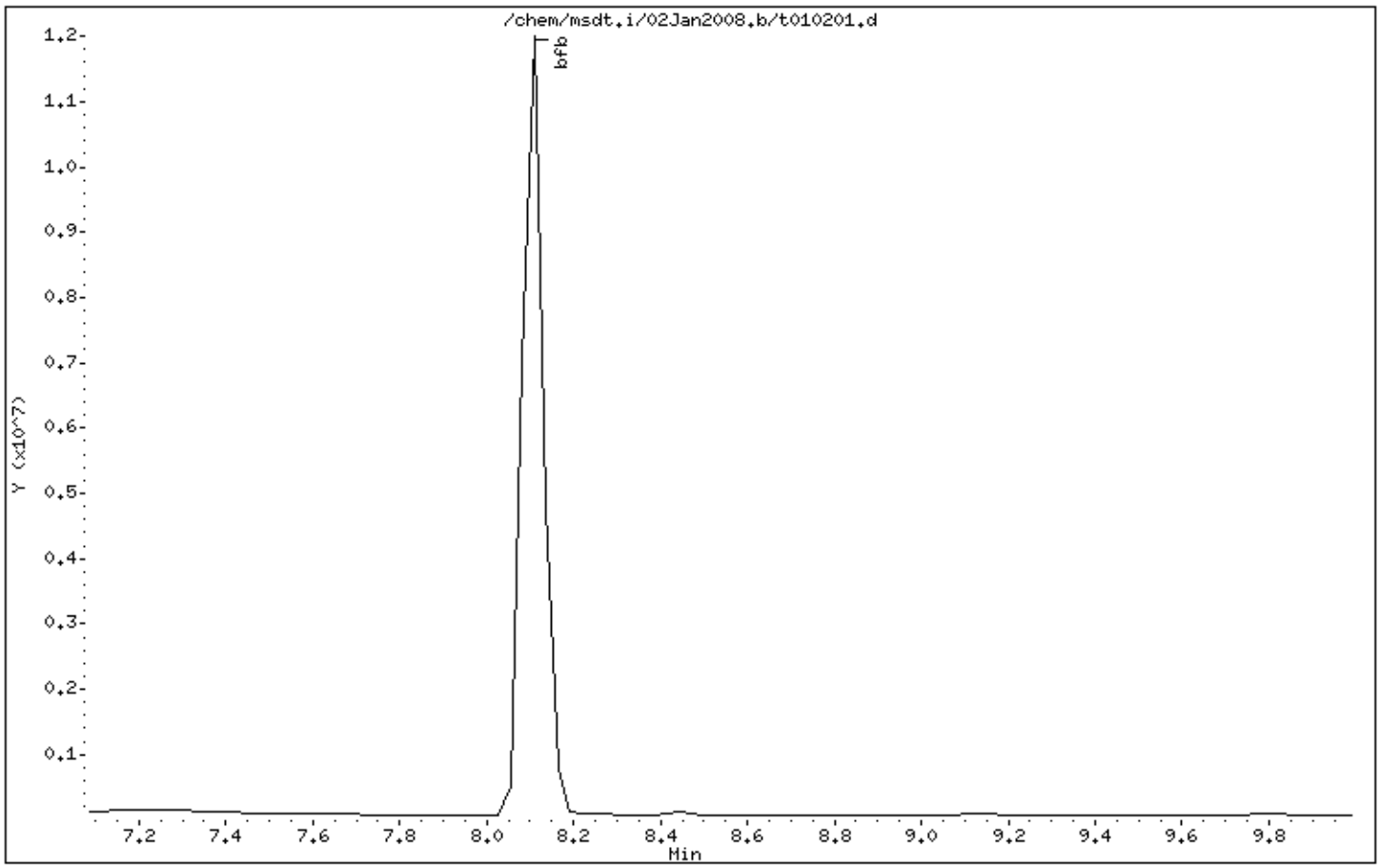
Date : 02-JAN-2008 08:34

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/02Jan2008.b/t010201.d

Date : 02-JAN-2008 08:34

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

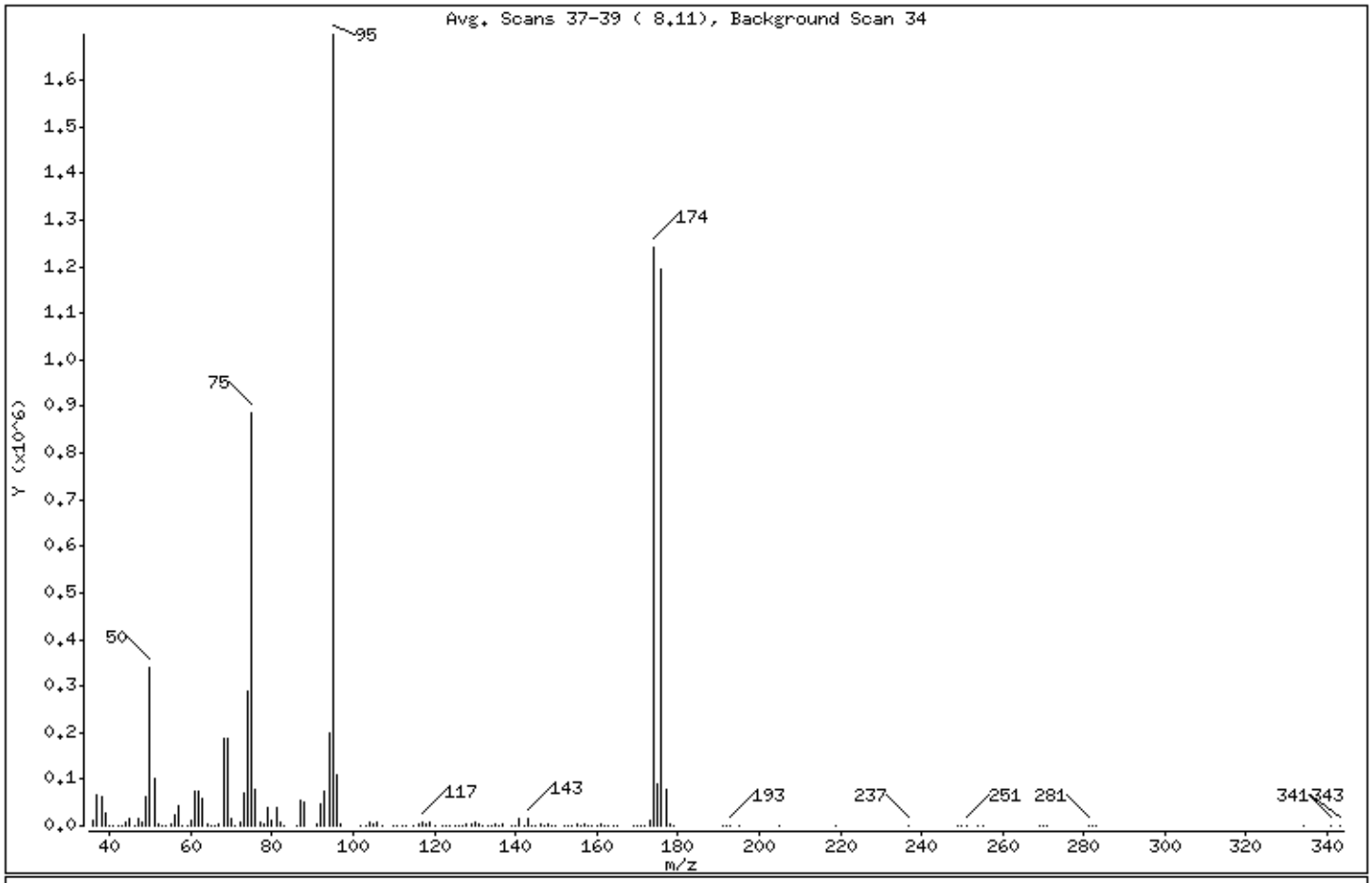
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.05
75	30.00 - 60.00% of mass 95	52.29
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.62 (0.84)
174	50.00 - 100.00% of mass 95	73.21
175	5.00 - 9.00% of mass 174	5.34 (7.30)
176	95.00 - 101.00% of mass 174	70.25 (95.95)
177	5.00 - 9.00% of mass 176	4.51 (6.42)

Date : 02-JAN-2008 08:34

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t010201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11487	74.00	289280	124.00	994	164.00	108
37.00	68160	75.00	887872	125.00	663	165.00	363
38.00	62856	76.00	77688	126.00	343	169.00	110
39.00	26120	77.00	7887	127.00	221	170.00	237
40.00	520	78.00	4819	128.00	5520	171.00	508
41.00	385	79.00	38392	129.00	2512	172.00	1718
42.00	188	80.00	11848	130.00	5968	173.00	10451
43.00	878	81.00	38648	131.00	2606	174.00	1242624
44.00	7177	82.00	8401	132.00	180	175.00	90696
45.00	14287	83.00	934	133.00	802	176.00	1192448
46.00	358	86.00	1189	134.00	722	177.00	76632
47.00	15841	87.00	54736	135.00	2357	178.00	2372
48.00	7914	88.00	51512	136.00	597	179.00	169
49.00	62992	91.00	5742	137.00	2524	191.00	463
50.00	340480	92.00	48568	139.00	597	192.00	79
51.00	99712	93.00	75752	140.00	923	193.00	733
52.00	4178	94.00	198848	141.00	15623	195.00	232
53.00	541	95.00	1697792	142.00	1907	205.00	212
54.00	76	96.00	110936	143.00	16464	219.00	108
55.00	3773	97.00	3268	144.00	968	237.00	130
56.00	22080	102.00	113	145.00	1566	249.00	19
57.00	44304	103.00	561	146.00	2061	250.00	106
58.00	1584	104.00	6295	147.00	1147	251.00	253
59.00	16	105.00	2648	148.00	3938	254.00	238
60.00	13129	106.00	6097	149.00	898	255.00	122
61.00	73808	107.00	1598	150.00	1624	269.00	1
62.00	73992	110.00	805	152.00	871	270.00	126
63.00	59512	111.00	1096	153.00	1228	271.00	109
64.00	5466	112.00	801	154.00	936	281.00	693
65.00	990	113.00	1148	155.00	3995	282.00	107
66.00	104	115.00	1411	156.00	645	283.00	37
67.00	4092	116.00	5598	157.00	2735	334.00	26
68.00	186624	117.00	9636	158.00	476	341.00	103
69.00	186240	118.00	5127	159.00	1880	343.00	55
70.00	14011	119.00	7633	160.00	100		

Date : 02-JAN-2008 08:34

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t010201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	724	120.00	485	161.00	2272		
72.00	8196	122.00	402	162.00	134		
73.00	69520	123.00	347	163.00	68		

Air Toxics Ltd.

Data file : /chem/msdt.i/15Jan2008.b/t011501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 15-JAN-2008 08:38
Operator : lo Inst ID: msdt.i
Smp Info : 2.0uL #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/15Jan2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.137	8.228	-0.091	95	1260676			100.00- 100.00	100.00
8.137	8.228	-0.091	50	283084			15.00- 40.00	22.45
8.137	8.228	-0.091	75	705240			30.00- 60.00	55.94
8.137	8.228	-0.091	96	82155			5.00- 9.00	6.52
8.137	8.228	-0.091	173	8045			0.00- 2.00	0.91
8.137	8.228	-0.091	174	880469			50.00- 100.00	69.84
8.137	8.228	-0.091	175	64978			5.00- 9.00	7.38
8.137	8.228	-0.091	176	850112			95.00- 101.00	96.55
8.137	8.228	-0.091	177	57046			5.00- 9.00	6.71

Data File: /chem/msdt.i/15Jan2008.b/t011501.d

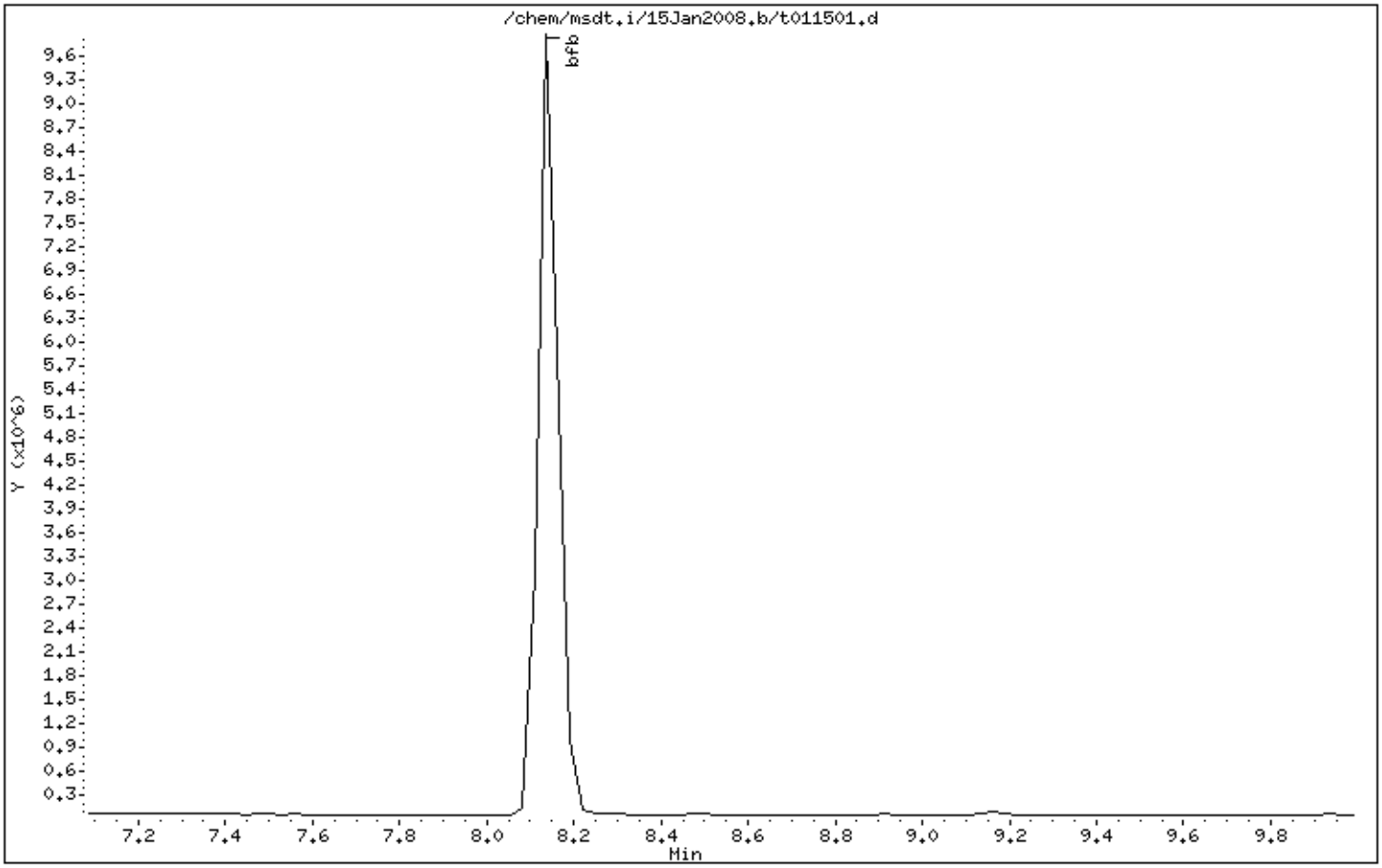
Date : 15-JAN-2008 08:38

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/15Jan2008.b/t011501.d

Date : 15-JAN-2008 08:38

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

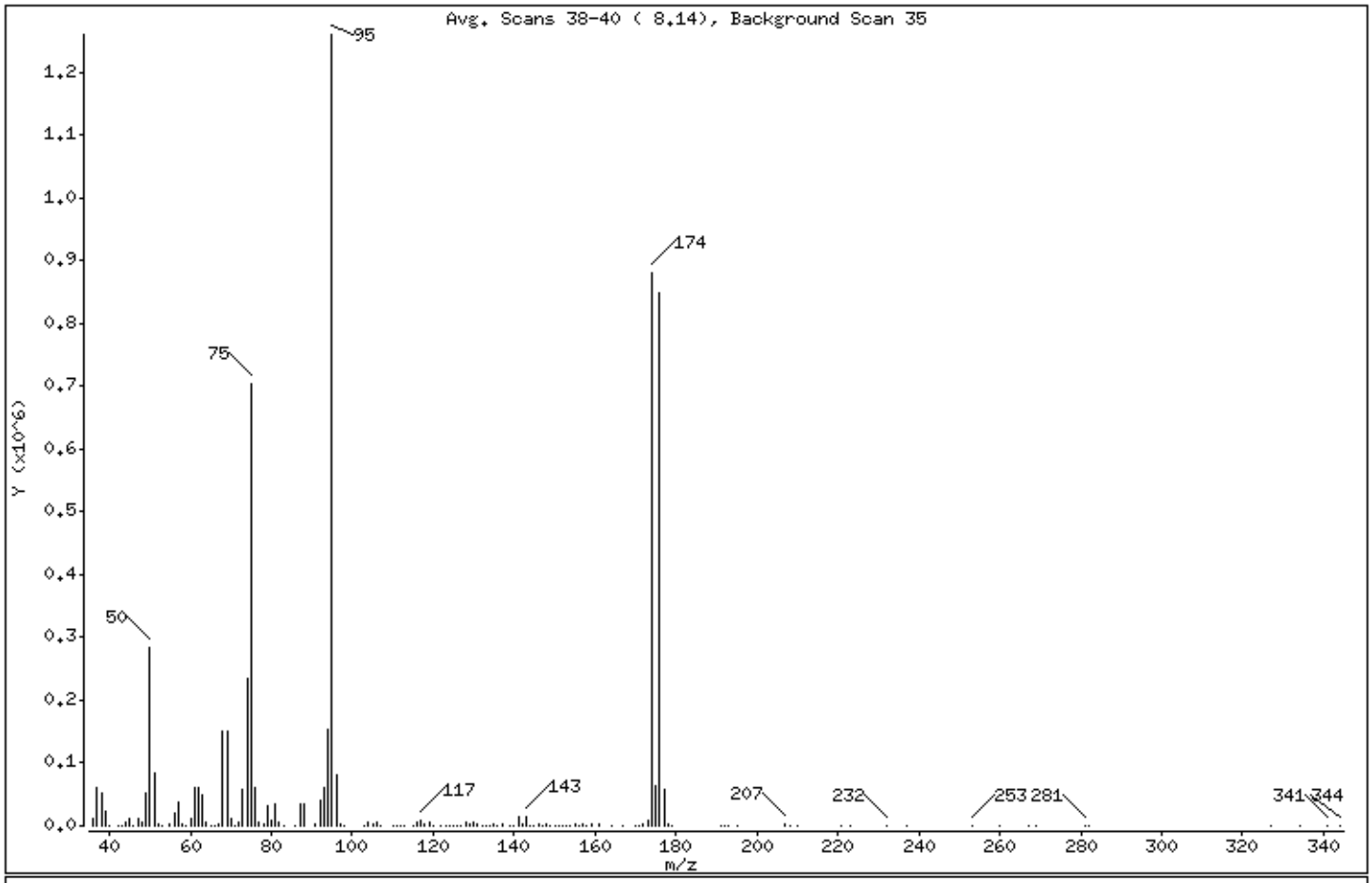
Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.45
75	30.00 - 60.00% of mass 95	55.94
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.64 (0.91)
174	50.00 - 100.00% of mass 95	69.84
175	5.00 - 9.00% of mass 174	5.15 (7.38)
176	95.00 - 101.00% of mass 174	67.43 (96.55)
177	5.00 - 9.00% of mass 176	4.53 (6.71)

Date : 15-JAN-2008 08:38

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: t011501.d
Spectrum: Avg. Scans 38-40 (8.14), Background Scan 35
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10269	74.00	234368	122.00	259	159.00	1532
37.00	59552	75.00	705216	123.00	295	161.00	1820
38.00	53216	76.00	59840	124.00	537	164.00	102
39.00	22312	77.00	6137	125.00	480	167.00	104
40.00	151	78.00	3763	126.00	574	170.00	121
42.00	405	79.00	32560	127.00	630	171.00	540
43.00	142	80.00	9973	128.00	4405	172.00	1639
44.00	7043	81.00	34632	129.00	2348	173.00	8045
45.00	10769	82.00	7227	130.00	4442	174.00	880448
46.00	781	83.00	871	131.00	1688	175.00	64976
47.00	10920	86.00	854	132.00	108	176.00	850112
48.00	6808	87.00	35104	133.00	289	177.00	57040
49.00	53408	88.00	35632	134.00	665	178.00	1938
50.00	283072	91.00	4343	135.00	1978	179.00	239
51.00	83704	92.00	39736	136.00	331	191.00	303
52.00	3349	93.00	59584	137.00	2162	192.00	266
53.00	320	94.00	154432	139.00	397	193.00	339
55.00	3248	95.00	1260544	140.00	860	195.00	59
56.00	19048	96.00	82152	141.00	13565	207.00	1542
57.00	38152	97.00	2567	142.00	1976	208.00	403
58.00	1527	98.00	117	143.00	14249	210.00	132
59.00	117	103.00	126	144.00	815	221.00	468
60.00	11553	104.00	5420	145.00	1167	223.00	103
61.00	61280	105.00	1690	146.00	1763	232.00	598
62.00	61400	106.00	4490	147.00	601	237.00	222
63.00	49320	107.00	1373	148.00	2918	253.00	271
64.00	4684	110.00	696	149.00	1161	260.00	49
65.00	1441	111.00	993	150.00	1249	267.00	155
66.00	285	112.00	659	151.00	125	269.00	242
67.00	3122	113.00	850	152.00	480	281.00	791
68.00	152128	115.00	1214	153.00	971	282.00	295
69.00	149312	116.00	4468	154.00	823	327.00	290
70.00	11069	117.00	7559	155.00	2774	334.00	52
71.00	468	118.00	4034	156.00	782	341.00	322
72.00	6458	119.00	5862	157.00	2283	344.00	249

Date : 15-JAN-2008 08:38

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: t011501.d
Spectrum: Avg. Scans 38-40 (8.14), Background Scan 35
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	58712	120.00	346	158.00	409		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

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

COMPANY: GEI Consultants, Inc.
ATTENTION: Ms. Sarah Aldridge
FAX #: 860-368-5307
FROM: Sample Receiving
Workorder #: 0801138
# of pages (Including Cover): 1

1/28/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

The following discrepancy has been observed:

Sample DWAMS3 was received at 18.0" Hg. This high vacuum will result in a higher dilution factor. ATL will proceed with the analysis unless otherwise notified.

Your prompt response is appreciated.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling, or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

0230

Contact		**Project Info:**	**Turn Around Time:**
Company	GEI Consultants, Inc.	P.O. #	
Address	455 Winding Brook Glastonbury CT 06033	Project # 061140 - 8 - 1703	☒ Normal
Phone	860-368-5300 Cell:	Project Name BayShore OU1 Southern cell Air Monitoring	☐ Rush _____
Collected By: Signature: Tex Foster			Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	DWAMS3 939	01/09/08 0619 – 1410	TO-15 + Naphthalene	-30	-18	
	XAMSXX 35250	01/09/08 0610 – 1410	~~TO-15 + Naphthalene~~ Do Not Analyze	-29.5	-25	
02A	UWAMS5 34733	01/09/08 0610 – 1410	TO-15 + NAPHTHALENE	-29.5	-10	

Relinquished By: (Signature) Date/Time: 01/09/08 1500	Received By: (Signature) Date/Time: ATL 01/10/08 8:30
Relinquished By: (Signature) Date/Time:	Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:	Received By: (Signature) Date/Time:

Notes: used flow controllers included
Initial and final can pressures in inches Hg\
Send Data Pack to Lisa McDonough and EDD to datagroup@geiconsultatns.com

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8620 3516 5575				Yes No (None)	0801138

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0801138

Client

Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

Sales Rep: ANS

Phone

860-368-5300

Fax

860-368-5307

Date Promised: 01/25/08
Date Completed: 1/24/08
Date Received: 1/11/08
PO#:
Project#: 061140-8-1703 BayShore OU1Southern Cell Air Monitoring
Total $: $ 823.00
Logged By: ADN

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	DWAMS3	Modified TO-15	1/9/2008	18.0 "Hg	$225.00
02A	UWAMS5	Modified TO-15	1/9/2008	10.0 "Hg	$225.00
02AA	UWAMS5 Lab Duplicate	Modified TO-15	1/9/2008	10.0 "Hg	$0.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (1) @ $50.00 each., Shipment 54020	$50.00
	6 Liter Summa Canister (100% Certified) (3) @ $65.00 each., Shipment 54	$195.00
	Blue Body Flow Controller (1) @ $35.00 each., Shipment 54020	$35.00
	Blue Body Flow Controller (100% Certified) (2) @ $40.00 each., Shipmen	$80.00
	Fuel Surcharge (4) @ $2.00 each.	$8.00
	Duplicate Sampling T (100% Certified) (1) @ $5.00 each.	$5.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Bay Shore OU1 South Perimeter Air/9699

BILL TO: Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Sample Discrepancy Report

Identification

Initiated By: Vivian Ray **Date:** 1/12/08 **Discrepancy Type:** (circle all that apply) I. (II.) III.

Workorder(s) affected: 0801138 **Sample(s) affected:** 01A

I. Sample Receipt Discrepancies

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

Narration not required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure.
- ☐ No brass cap on canister.
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm.

Narration Required:

- ☐ COC improperly relinquished / received.
- ☐ Sample tags / can numbers do not match the COC.
- ☐ Samples received at wrong temperature (up to 10°C); ice / blue ice (circle one) was present. A temp. blank was / was not present (circle one).
- ☐ Custody Seal on the outside of the container was broken / improperly placed (circle one).
- ☐ Other (describe below).

Describe the Discrepancy: _____

II. Sample Receipt/Screening Discrepancies requiring CSR notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out CSR must be notified within 24 hrs of initiation

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☐ Number of samples on the COC does not match the number of samples that were received.
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☑ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

Initials: _____ (if not the original initiator) **Date:** _____ ☑ **CSR Notified** (see section below)

Describe the Discrepancy: The initial pressure for -01A was 18.0 "Hg.

If Section III. is filled out CSR must be notified within 24 hrs of initiation

- ☐ Tedlar Bag found to be leaking at the time of analysis; sample can / cannot (circle one) be analyzed.
- ☐ Tedlar Bag found to be flat at the time of analysis.
- ☐ Canister found to be leaking at the time of analysis.
- ☐ Tedlar Bag received at low volume; sample cannot be analyzed.
- ☐ Sulfur samples received with insufficient time to analyze prior to expiration.
- ☐ VOST tube saturated; bag dilution necessary.
- ☐ Sample loss due to instrument malfunction / broken glassware.
- ☐ Other (describe below).

Initials: _____ **Date:** _____ ☐ **CSR Notified**
(If not the original initiator) (see section below)

Team Lead Initials: _____ **Date:** _____

Describe the Discrepancy: _____

_____

Client Services Use Only

Client Services Notification

CSR notified: _____ Date: _____

Action:

☑ It is not necessary to notify the client. Narrate the discrepancy by documenting on cover page of Sample Receipt Confirmation and in Receiving Notes/Analytical Notes of Lab Narrative.

CSR Initials: BL Date: 1-21-08

☐ Client notification required. See attached client contact / email, or comments below:

Client Notification:

Person notified: _____ Date: _____

Comments: _____

_____

☐ Lab notified Name: _____ Date: _____

Additional Notifications

CSR notified: _____ Date: _____

Action:

☐ It is not necessary to notify the client. Narrate the discrepancy by documenting on cover page of Sample Receipt Confirmation and in Receiving Notes/Analytical Notes of Lab Narrative.

CSR Initials: _____ Date: _____

☐ Client notification required. See attached client contact / email, or comments below:

Client Notification:

Person notified: _____ Date: _____

Comments: _____

_____

☐ Lab notified Name: _____ Date: _____

☐ **Additional notifications attached.**

Other Records

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Vacuum}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} - [(\text{Initial Pressure ("Hg)}) (14.7 \text{ psi} / 30 \text{ "Hg})]}$$

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Vacuum ("Hg)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.5	1.36	1.71	2.05
1.0	1.39	1.74	2.09
1.5	1.41	1.77	2.13
2.0	1.44	1.80	2.16
2.5	1.46	1.83	2.20
3.0	1.49	1.87	2.24
3.5	1.52	1.90	2.29
4.0	1.55	1.94	2.33
4.5	1.58	1.98	2.38
5.0	1.61	2.02	2.42
5.5	1.64	2.06	2.47
6.0	1.68	2.10	2.53
6.5	1.71	2.15	2.58
7.0	1.75	2.19	2.64
7.5	1.79	2.24	2.69
8.0	1.83	2.29	2.76
8.5	1.87	2.34	2.82
9.0	1.91	2.40	2.89
9.5	1.96	2.46	2.96
10.0	2.01	2.52	3.03
10.5	2.06	2.59	3.11
11.0	2.12	2.65	3.19
11.5	2.17	2.72	3.28
12.0	2.23	2.80	3.37
12.5	2.30	2.88	3.46
13.0	2.36	2.97	3.57
13.5	2.44	3.06	3.67
14.0	2.51	3.15	3.79
14.5	2.59	3.25	3.91
15.0	2.68	3.36	4.04
15.5	2.77	3.48	4.18
16.0	2.87	3.60	4.33
16.5	2.98	3.73	4.49
17.0	3.09	3.88	4.66
17.5	3.22	4.03	4.85
18.0	3.35	4.20	5.05
18.5	3.50	4.38	5.27
19.0	3.65	4.58	5.51
19.5	3.83	4.80	5.77
20.0	4.02	5.04	6.06
20.5	4.23	5.31	6.38

Initial Vacuum ("Hg)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
21.0	4.47	5.60	6.73
21.5	4.73	5.93	7.13
22.0	5.03	6.30	7.58
22.5	5.36	6.72	8.08
23.0	5.74	7.20	8.66
23.5	6.19	7.76	9.32
24.0	6.70	8.40	10.10
24.5	7.31	9.17	11.02
25.0	8.04	10.08	12.12
25.5	8.93	11.20	13.47
26.0	10.05	12.60	15.15
26.5	11.49	14.40	17.32
27.0	13.40	16.80	20.20
27.5	16.08	20.16	24.24
28.0	20.10	25.20	30.31
28.5	26.80	33.61	40.41
29.0	40.20	50.41	60.61

Initial Pressure (psi)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{\text{14.7 psi + Final Pressure (psi)}}{\text{14.7 psi + Initial Pressure (psi)}}$$

Initial Pressure (psi)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59
4.2	1.04	1.31	1.57
4.4	1.03	1.29	1.55
4.6	1.02	1.28	1.54
4.8	1.01	1.27	1.52
5.0	1.00	1.25	1.51
5.2	NA	1.24	1.49
5.4	NA	1.23	1.48
5.6	NA	1.22	1.46
5.8	NA	1.20	1.45
6.0	NA	1.19	1.43
6.2	NA	1.18	1.42
6.4	NA	1.17	1.41
6.6	NA	1.16	1.39
6.8	NA	1.15	1.38
7.0	NA	1.14	1.37
7.2	NA	1.13	1.36
7.4	NA	1.12	1.34

Initial Pressure (psi)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
7.6	NA	1.11	1.33
7.8	NA	1.10	1.32
8.0	NA	1.09	1.31
8.2	NA	1.08	1.30
8.4	NA	1.07	1.29
8.6	NA	1.06	1.27
8.8	NA	1.05	1.26
9.0	NA	1.04	1.25
9.2	NA	1.03	1.24
9.4	NA	1.02	1.23
9.6	NA	1.02	1.22
9.8	NA	1.01	1.21
10.0	NA	1.00	1.20
10.2	NA	NA	1.19
10.4	NA	NA	1.18
10.6	NA	NA	1.17
10.8	NA	NA	1.16
11.0	NA	NA	1.16
11.2	NA	NA	1.15
11.4	NA	NA	1.14
11.6	NA	NA	1.13
11.8	NA	NA	1.12
12.0	NA	NA	1.11
12.2	NA	NA	1.10
12.4	NA	NA	1.10
12.6	NA	NA	1.09
12.8	NA	NA	1.08
13.0	NA	NA	1.07
13.2	NA	NA	1.06
13.4	NA	NA	1.06
13.6	NA	NA	1.05
13.8	NA	NA	1.04
14.0	NA	NA	1.03
14.2	NA	NA	1.03
14.4	NA	NA	1.02
14.6	NA	NA	1.01
14.8	NA	NA	1.01

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
108-38-3	m,p-Xylene	0.50	
95-47-6	o-Xylene	0.50	
100-42-5	Styrene	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	
108-67-8	1,3,5-Trimethylbenzene	0.50	
95-63-6	1,2,4-Trimethylbenzene	0.50	
541-73-1	1,3-Dichlorobenzene	0.50	
106-46-7	1,4-Dichlorobenzene	0.50	
100-44-7	alpha-Chlorotoluene	0.50	
95-50-1	1,2-Dichlorobenzene	0.50	
106-99-0	1,3-Butadiene	0.50	
110-54-3	Hexane	0.50	
110-82-7	Cyclohexane	0.50	
142-82-5	Heptane	0.50	
75-27-4	Bromodichloromethane	0.50	
124-48-1	Dibromochloromethane	0.50	
98-82-8	Cumene	0.50	
103-65-1	Propylbenzene	0.50	
74-87-3	Chloromethane	2.0	
120-82-1	1,2,4-Trichlorobenzene	2.0	
87-68-3	Hexachlorobutadiene	2.0	
67-64-1	Acetone	2.0	
75-15-0	Carbon Disulfide	0.50	
67-63-0	2-Propanol	2.0	
156-60-5	trans-1,2-Dichloroethene	0.50	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.50	
109-99-9	Tetrahydrofuran	0.50	
123-91-1	1,4-Dioxane	2.0	
108-10-1	4-Methyl-2-pentanone	0.50	
591-78-6	2-Hexanone	2.0	
75-25-2	Bromoform	0.50	
622-96-8	4-Ethyltoluene	0.50	
64-17-5	Ethanol	2.0	
1634-04-4	Methyl tert-butyl ether	0.50	
91-20-3	Naphthalene	2.0	
107-05-1	3-Chloropropene	2.0	
540-84-1	2,2,4-Trimethylpentane	0.50	
2037-26-5	Toluene-d8		
17060-07-0	1,2-Dichloroethane-d4		
460-00-4	4-Bromofluorobenzene		
75-01-4	Vinyl Chloride	0.50	
74-83-9	Bromomethane	0.50	
75-00-3	Chloroethane	0.50	
75-69-4	Freon 11	0.50	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
75-35-4	1,1-Dichloroethene	0.50	
76-13-1	Freon 113	0.50	
75-09-2	Methylene Chloride	0.50	
75-34-3	1,1-Dichloroethane	0.50	
156-59-2	cis-1,2-Dichloroethene	0.50	
67-66-3	Chloroform	0.50	
71-55-6	1,1,1-Trichloroethane	0.50	
56-23-5	Carbon Tetrachloride	0.50	
71-43-2	Benzene	0.50	
107-06-2	1,2-Dichloroethane	0.50	
79-01-6	Trichloroethene	0.50	
78-87-5	1,2-Dichloropropane	0.50	
10061-01-5	cis-1,3-Dichloropropene	0.50	
108-88-3	Toluene	0.50	
10061-02-6	trans-1,3-Dichloropropene	0.50	
79-00-5	1,1,2-Trichloroethane	0.50	
127-18-4	Tetrachloroethene	0.50	
106-93-4	1,2-Dibromoethane (EDB)	0.50	
108-90-7	Chlorobenzene	0.50	
100-41-4	Ethyl Benzene	0.50	

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1-800-985-5955

Media Certification Report

Canister Number: F122735; 6L#939 w/10.2ml +T:1
Date: 12/28/2007 02:06:29

Peak #	#	Quantification	CAS	Type	Concentration	Units
	1	Propylene	0-00-0	Not Found		ppbv
	2	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	4	Freon 12	0-00-0	Not Found		ppbv
	5	Isobutane	0-00-0	Not Found		ppbv
	6	Freon 114	0-00-0	Not Found		ppbv
	8	Butane	0-00-0	Not Found		ppbv
	9	Vinyl Chloride	0-00-0	Not Found		ppbv
	10	1,3-Butadiene	0-00-0	Not Found		ppbv
	11	Bromomethane	0-00-0	Not Found		ppbv
	12	Chloroethane	0-00-0	Not Found		ppbv
	13	Isopentane	0-00-0	Not Found		ppbv
	14	Vinyl bromide	0-00-0	Not Found		ppbv
	16	Ethanol	0-00-0	Not Found		ppbv
	17	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	18	Freon 113	0-00-0	Not Found		ppbv
	19	Acrolein	0-00-0	Not Found		ppbv
	23	3-Chloropropene	0-00-0	Not Found		ppbv
	25	Methyl Acetate	0-00-0	Not Found		ppbv
	27	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	29	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	31	Hexane	0-00-0	Not Found		ppbv
	32	Isopropyl ether	0-00-0	Not Found		ppbv
	33	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	34	Vinyl Acetate	0-00-0	Not Found		ppbv
	35	Chloroprene	0-00-0	Not Found		ppbv
	36	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	37	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	38	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	39	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	44	Cyclohexane	0-00-0	Not Found		ppbv
	45	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	46	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	47	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	48	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	49	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	52	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	53	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	54	Heptane	0-00-0	Not Found		ppbv
	55	Thiophene	0-00-0	Not Found		ppbv
	57	Trichloroethene	0-00-0	Not Found		ppbv

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1-800-985-5955

Media Certification Report

Canister Number: F122735; 6L#939 w/10.2ml +T:1
Date: 12/28/2007 02:06:29

Peak #	#	Quantification	CAS	Type	Concentration	Units
	58	Methylcyclohexane	0-00-0	Not Found		ppbv
	59	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	60	1,4-Dioxane	0-00-0	Not Found		ppbv
	62	Bromodichloromethane	0-00-0	Not Found		ppbv
	63	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	64	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	67	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	68	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	69	Tetrachloroethene	0-00-0	Not Found		ppbv
	70	2-Hexanone	0-00-0	Not Found		ppbv
	71	Dibromochloromethane	0-00-0	Not Found		ppbv
	72	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	74	Chlorobenzene	0-00-0	Not Found		ppbv
	75	Ethyl Benzene	0-00-0	Not Found		ppbv
	76	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	77	m,p-Xylene	0-00-0	Not Found		ppbv
	78	o-Xylene	0-00-0	Not Found		ppbv
	79	Styrene	0-00-0	Not Found		ppbv
	80	Bromoform	0-00-0	Not Found		ppbv
	81	Cumene	0-00-0	Not Found		ppbv
	83	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	84	Propylbenzene	0-00-0	Not Found		ppbv
	85	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	86	4-Ethyltoluene	0-00-0	Not Found		ppbv
	87	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	88	tert-Butylbenzene	0-00-0	Not Found		ppbv
	89	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	90	Pentachloroethane	0-00-0	Not Found		ppbv
	91	sec-Butylbenzene	0-00-0	Not Found		ppbv
	92	p-Cymene	0-00-0	Not Found		ppbv
	93	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	94	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	95	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	96	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	97	Indan	0-00-0	Not Found		ppbv
	98	Butylbenzene	0-00-0	Not Found		ppbv
	99	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	100	Indene	0-00-0	Not Found		ppbv
	101	Hexachloroethane	0-00-0	Not Found		ppbv
	102	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv

www.airtoxics.com
1-800-985-5955

Media Certification Report

Canister Number: F122735; 6L#939 w/10.2ml +T:1
Date: 12/28/2007 02:06:29

Peak #	#	Quantification	CAS	Type	Concentration	Units
	103	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	104	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	105	Naphthalene	0-00-0	Not Found		ppbv
	106	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
6	3	1,1-Difluoroethane	75-37-6	Quantified	0.00	ppbv
8	7	Chloromethane	124045-64-3	Quantified	0.00	ppbv
15	15	Freon 11	89577-04-8	Quantified	0.00	ppbv
17	20	Carbon Disulfide	75-15-0	Quantified	0.01	ppbv
18	21	Acetone	7782-79-8	Quantified	0.01	ppbv
19	22	2-Propanol	79-33-4	Quantified	0.03	ppbv
19	24	2-Methylpentane	79-33-4	Quantified	0.00	ppbv
21	26	Methylene Chloride	75-09-2	Quantified	0.02	ppbv
22	28	Methyl tert-butyl ether	3082-75-5	Quantified	0.00	ppbv
23	30	Acrylonitrile	3082-75-5	Quantified	0.00	ppbv
28	40	Ethyl Acetate	0-00-0	Quantified	0.00	ppbv
31	41	Bromochloromethane-IS	74-97-5	Quantified	5.00	ppbv
31	43	Chloroform	74-97-5	Quantified	0.00	ppbv
32	42	Tetrahydrofuran	151-18-8	Quantified	0.03	ppbv
33	50	Benzene	71-43-2	Quantified	0.01	ppbv
34	51	1,2-Dichloroethane-d4	10545-99-0	Quantified	4.80	ppbv
37	56	1,4-Difluorobenzene-IS	540-36-3	Quantified	5.00	ppbv
39	61	Dibromomethane	74-95-3	Quantified	0.00	ppbv
41	65	Toluene-D8	2037-26-5	Quantified	4.77	ppbv
43	66	Toluene	5472-71-9	Quantified	0.00	ppbv
52	73	Chlorobenzene-d5-IS	3114-55-4	Quantified	5.00	ppbv
59	82	Bromofluorobenzene	1073-06-9	Quantified	4.80	ppbv

@Air Toxics Ltd.

DATA REVIEW CHECKLIST Work Order #: 0801138

A	R	T	M	Q	Item
☑	☑	☑	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
	☑	☑	☑	☐	The final report has the correct reporting list, special units, and header info.
	☐	☑	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
NA	NA	NA	☑	☐	Corrective Action issued - #
NA	☑	☑	☑	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* ***CIRCLE (YES / NO)***

A	R	T	M	Q	Item
☑	☐	☐	☐	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☑	☐	☐	☐	☐	Hold time is met for all samples
	☐	☐	☐	☐	Appropriate data qualifier flags are applied
	☐	☐	☐	☐	Manual integrations for samples and QC are properly documented
☑	☐	☐		☐	Samples analyzed within the project or method specific clock (24hr)
	☐	☐			Retention times have been verified
☑	☐	☐		☐	Appropriate ICAL(s) included
	☐	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data

A	R	T	M	Q	Item
☑	☑	☑		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☑	☑			Correct amount of sample analyzed (i.e. sample not over-diluted)
	NA	NA			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	☐	NA			TICs resemble reference spectra
	☑	NA			TICs between duplicate samples are consistent
NA	☑	☑	☑		Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	NA	NA			Special units for all samples in the final report are correctly calculated
	☐	NA	☐		Manually entered results checked (i.e. special CCV compounds)
	☑	NA	☐		TPH/NMOC (verify calculations and correct reference compound used)
	☑				Chain of Custody scanned correctly
				☐	Verify sample id's vs. chain of custody
☑	☑				Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☑				Final pressure consistent with canister size (6L vs. 1L)
NA	☑				Verify receipt pressures against logbook and Target
☑	☑				Verify canister ID #'s
	NA		☑		Extra printed copies are provided per client profile
	☑		☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☑	NA	NA	☐	Client LUMEN report reviewed for accuracy and completeness

Notes: (to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)

A/R: Bout CCV & LCS
dup 02A

M/Q:

A (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
[signature] 1/16/08	R: [signature] 1/23/2008 T: [signature] 1/24/08	[signature] 1/24/08	

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 08/29/05

Not Applicable