
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 #: 0711168

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Comments:

Completed by:

Vera Belitsky — Vera Belitsky / Document Control — 11/28/07

(Signature) (Print Name & Title) (Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0711168

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. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	11/08/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	11/21/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	UW AMS 3	Modified TO-15	6.5 "Hg
02A	AMSXX	Modified TO-15	6.5 "Hg
02AA	AMSXX Lab Duplicate	Modified TO-15	6.5 "Hg
03A	DW AMS 5	Modified TO-15	9.5 "Hg
04A	TRIP BLANK	Modified TO-15	4.8psi
05A	Lab Blank	Modified TO-15	NA
06A	CCV	Modified TO-15	NA
07A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda L. Truman DATE: 11/21/07

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

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0711168

One 6 Liter Summa Canister and three 6 Liter Summa Canister (100% Certified) samples were received on November 08, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

The Chain of Custody (COC) information for sample AMSXX did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

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 no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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
UW AMS 3	0711168-01A	11/ 7/2007	11/ 8/2007	NA	13	11/20/2007	NA	Good
AMSXX	0711168-02A	11/ 7/2007	11/ 8/2007	NA	13	11/20/2007	NA	Good
AMSXX Lab Duplicate	0711168-02AA	11/ 7/2007	11/ 8/2007	NA	13	11/20/2007	NA	Good
DW AMS 5	0711168-03A	11/ 7/2007	11/ 8/2007	NA	13	11/20/2007	NA	Good
TRIP BLANK	0711168-04A	NA	11/ 8/2007	NA	NA	11/20/2007	NA	Good
Lab Blank	0711168-05A	NA	NA	NA	NA	11/20/2007	NA	Good
CCV	0711168-06A	NA	NA	NA	NA	11/20/2007	NA	Good
LCS	0711168-07A	NA	NA	NA	NA	11/20/2007	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: UW AMS 3

Lab ID#: 0711168-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	5.4	8.1	13

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 3

Lab ID#: 0711168-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112010**	**Date of Collection:**	**11/7/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**11/20/07 03:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 3

Lab ID#: 0711168-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112010**	**Date of Collection: 11/7/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 11/20/07 03:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	5.4	8.1	13
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112010.d
Lab Smp Id: 0711168-01A
Inj Date : 20-NOV-2007 15:02
Operator : cb Inst ID: msd5.i
Smp Info : 200ml #915
Misc Info : 6.5"Hg-5psi
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:14 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.71000
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 (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	293857	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	234653			49.72- 109.72	79.85
8.059	8.059 (1.000)	49	667560			190.92- 250.92	227.17
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1111549	25.0000		80.00- 120.00	100.00
9.912	9.939 (1.000)	88	182342			0.00- 46.72	16.40
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	878586	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	510097			0.00- 30.00	58.06
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	437280	24.8610	24.861	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	216433			27.88- 87.88	49.50
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	947404	24.1417	24.142	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	98533			0.00- 40.29	10.40

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	618017			37.87- 97.87	65.23
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	489486	23.8773	23.877	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	799832			130.01- 190.01	163.40
16.575	16.575 (1.105)	176	455667			65.91- 125.91	93.09
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	36725	3.14950	5.386	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	103637			0.00- 30.00	282.20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112010.d
Lab Smp Id: 0711168-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	293857	-29.03
92 1,4-Difluorobenze	1597898	958739	2237057	1111549	-30.44
125 Chlorobenzene-d5	1184383	710630	1658136	878586	-25.82

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 21-Nov-2007 10:51

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0711168-01A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.861	99.44	70-130
$ 107 Toluene-d8	25.000	24.142	96.57	70-130
$ 138 Bromofluorobenzene	25.000	23.877	95.51	70-130

Data File: /chem/msd5.i/5-20nov.b/5112010.d

Date : 20-NOV-2007 15:02

Client ID:

Sample Info: 200ml #915

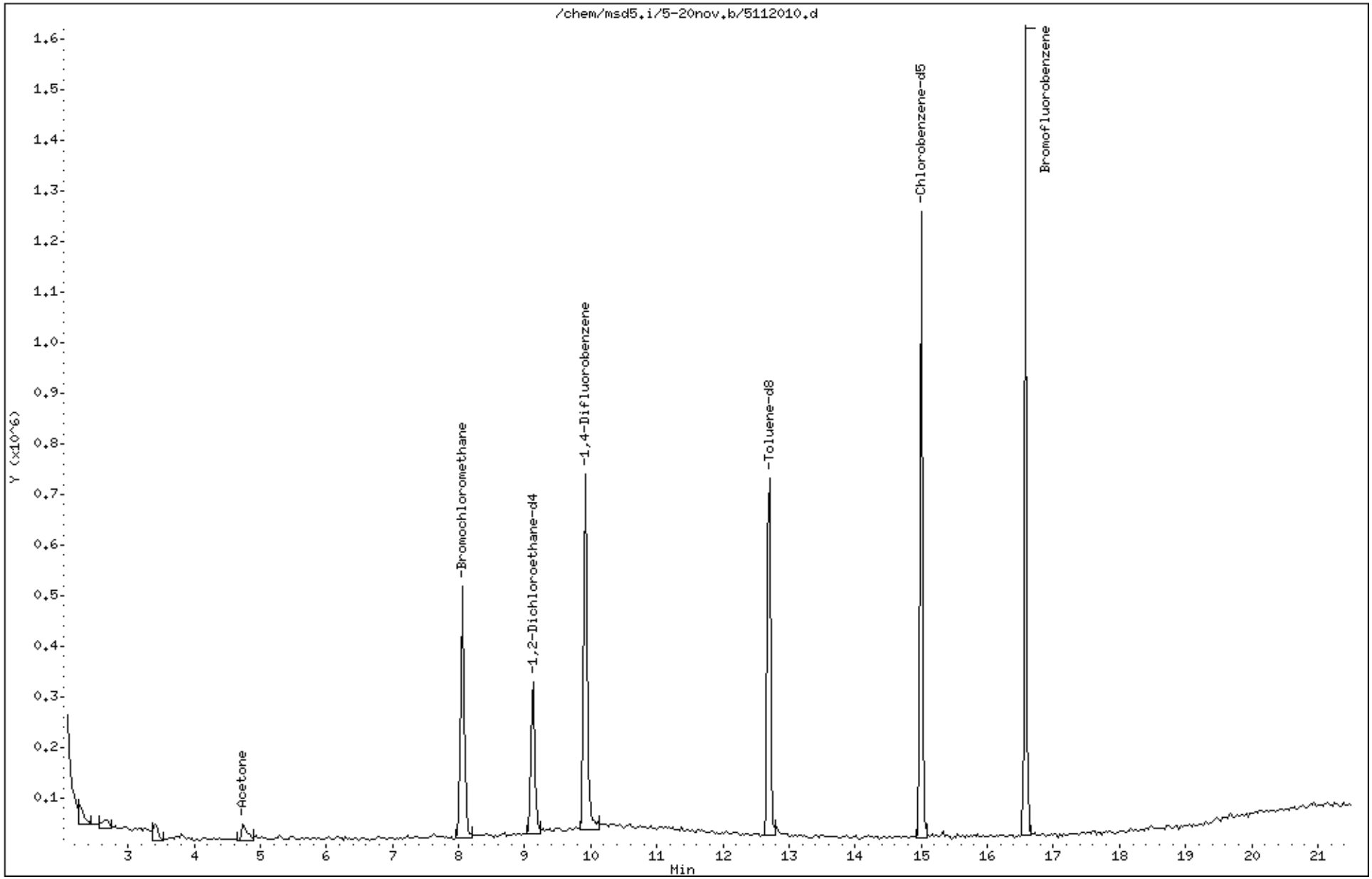
Column phase: RTx-624

Instrument: msd5.i

Operator: cb

Column diameter: 0.53

0013



Data File: /chem/msd5.i/5-20nov.b/5112010.d

Date : 20-NOV-2007 15:02

Client ID:

Instrument: msd5.i

Sample Info: 200ml #915

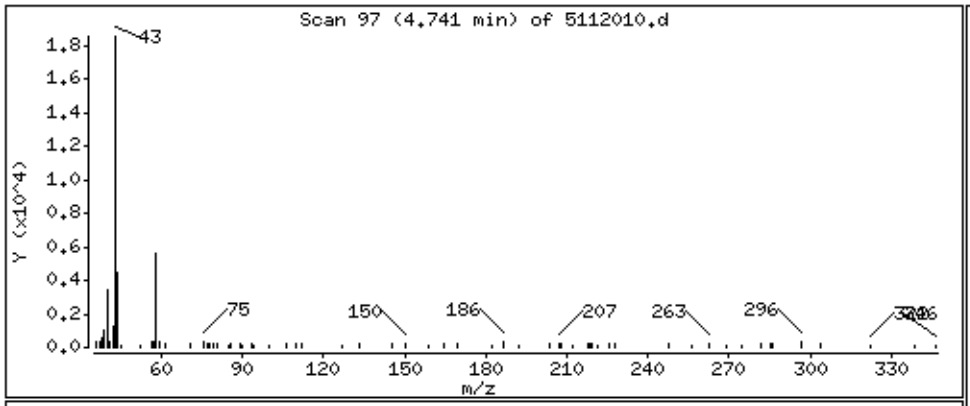
Operator: cb

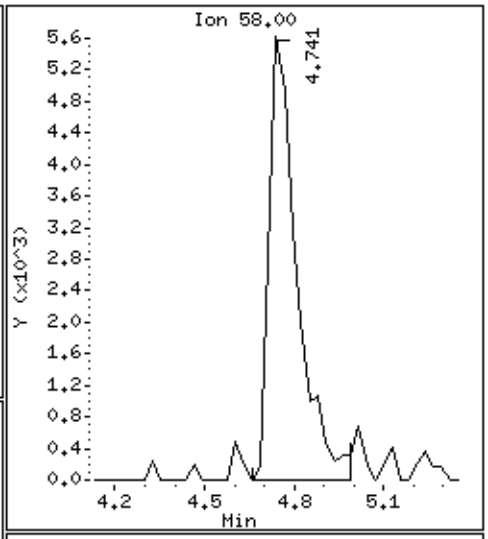
Column phase: RTx-624

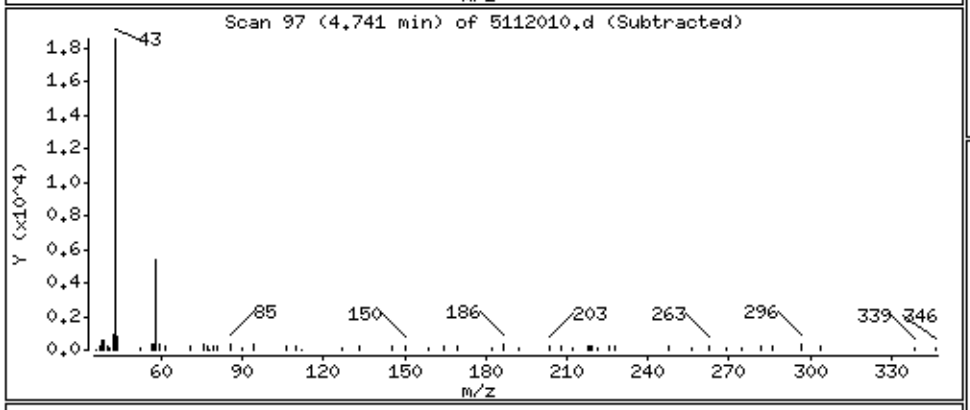
Column diameter: 0.53

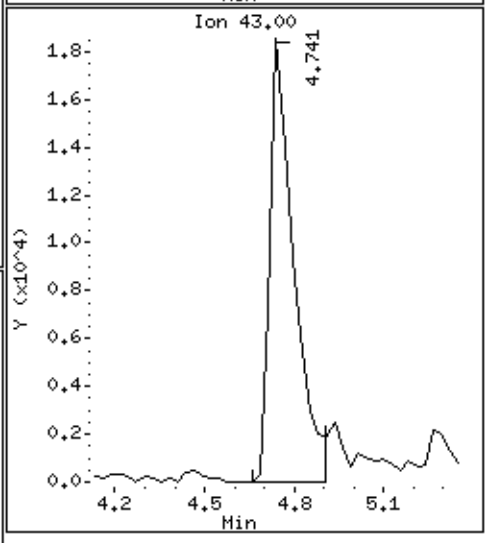
32 Acetone

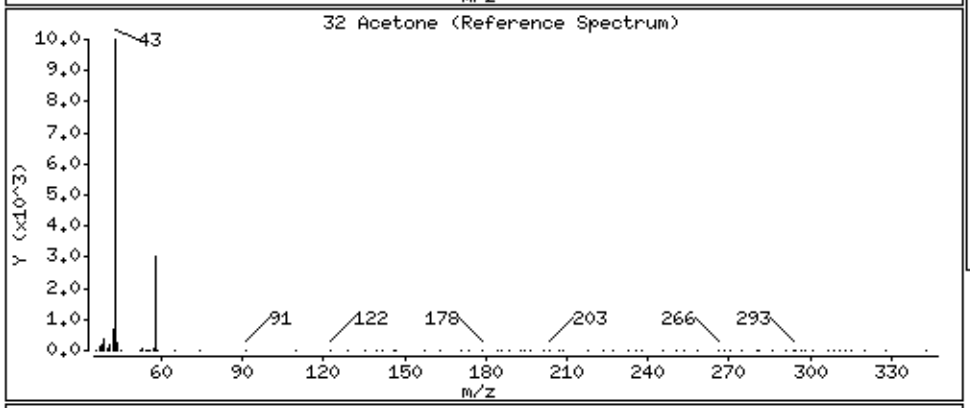
Concentration: 5.386 PPBV

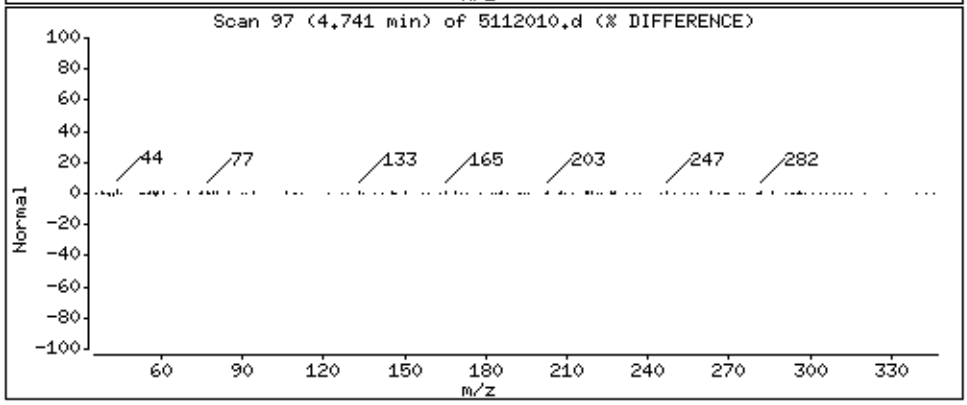












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMSXX

Lab ID#: 0711168-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	7.0	8.1	17

0015

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMSXX

Lab ID#: 0711168-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112011**	**Date of Collection:**	**11/7/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**11/20/07 03:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected

0016

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMSXX

Lab ID#: 0711168-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112011**	**Date of Collection: 11/7/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 11/20/07 03:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	7.0	8.1	17
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112011.d
Lab Smp Id: 0711168-02A
Inj Date : 20-NOV-2007 15:34
Operator : cb Inst ID: msd5.i
Smp Info : 200ml #34482
Misc Info : 6.5"Hg-5psi
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:14 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.71000
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 (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	300713	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	224839			49.72- 109.72	74.77
8.059	8.059 (1.000)	49	652436			190.92- 250.92	216.96
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1102597	25.0000		80.00- 120.00	100.00
9.912	9.939 (1.000)	88	175419			0.00- 46.72	15.91
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	858821	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	493030			0.00- 30.00	57.41
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	435067	24.1712	24.171	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	213294			27.88- 87.88	49.03
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	937024	24.0711	24.071	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	92458			0.00- 40.29	9.87

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	598289			37.87- 97.87	63.85
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	478304	23.8688	23.869	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	770263			130.01- 190.01	161.04
16.575	16.575 (1.105)	176	471718			65.91- 125.91	98.62
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	49177	4.12121	7.047	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	158582			0.00- 30.00	322.47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112011.d
Lab Smp Id: 0711168-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	300713	-27.37
92 1,4-Difluorobenze	1597898	958739	2237057	1102597	-31.00
125 Chlorobenzene-d5	1184383	710630	1658136	858821	-27.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 21-Nov-2007 10:52

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0711168-02A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.171	96.68	70-130
$ 107 Toluene-d8	25.000	24.071	96.28	70-130
$ 138 Bromofluorobenzene	25.000	23.869	95.48	70-130

Data File: /chem/msd5.i/5-20nov.b/5112011.d

Date : 20-NOV-2007 15:34

Client ID:

Sample Info: 200ml #34482

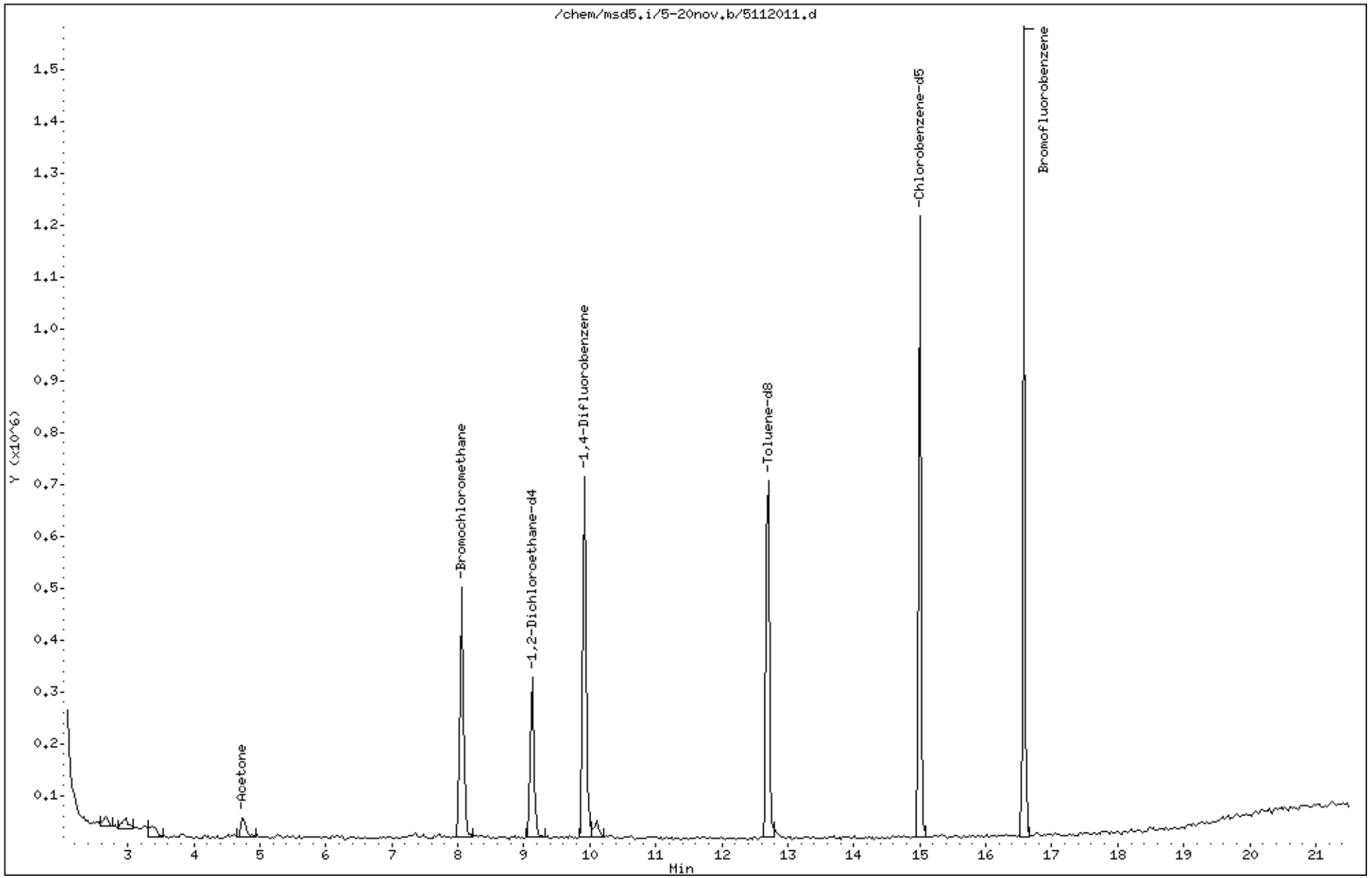
Column phase: RTx-624

Instrument: msd5.i

Operator: cb

Column diameter: 0.53

0022



Data File: /chem/msd5.i/5-20nov.b/5112011.d

Date : 20-NOV-2007 15:34

Client ID:

Instrument: msd5.i

Sample Info: 200ml #34482

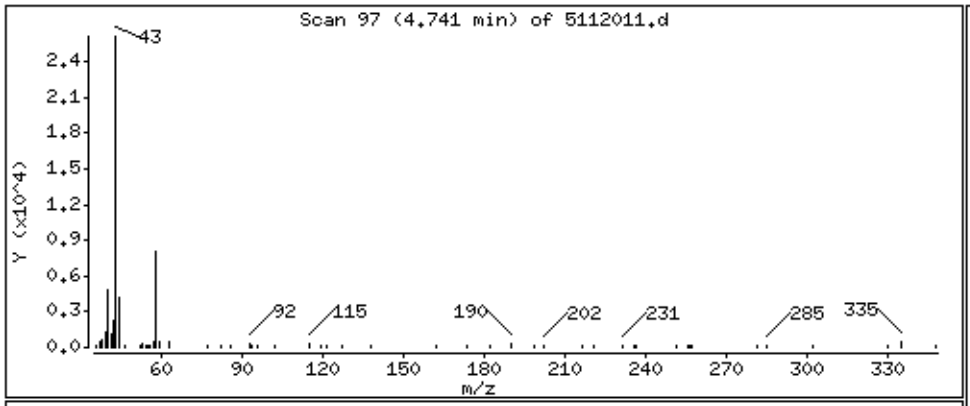
Operator: cb

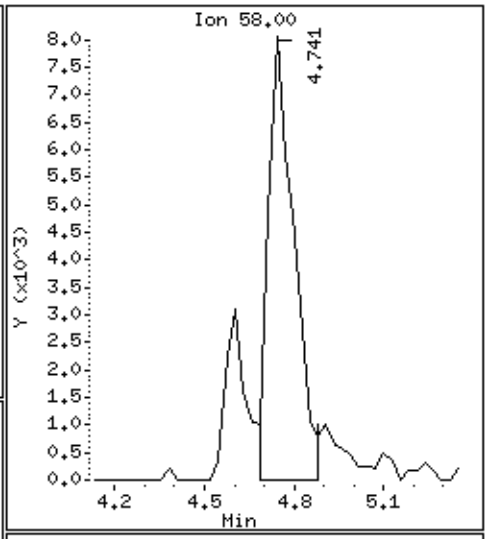
Column phase: RTx-624

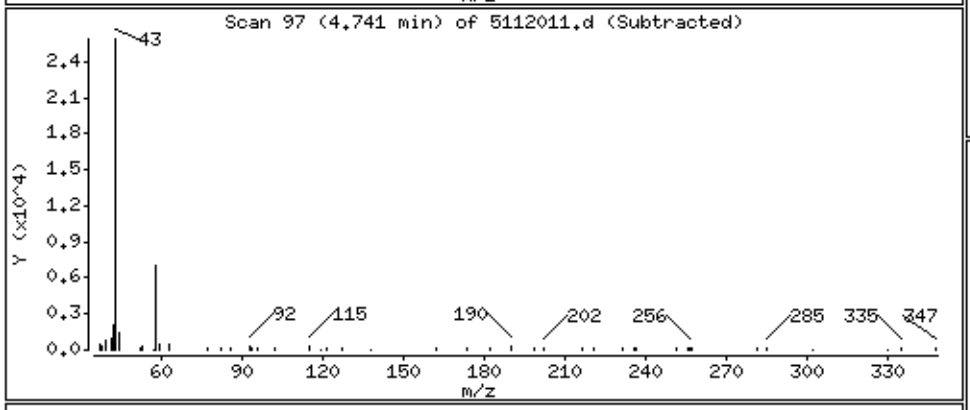
Column diameter: 0.53

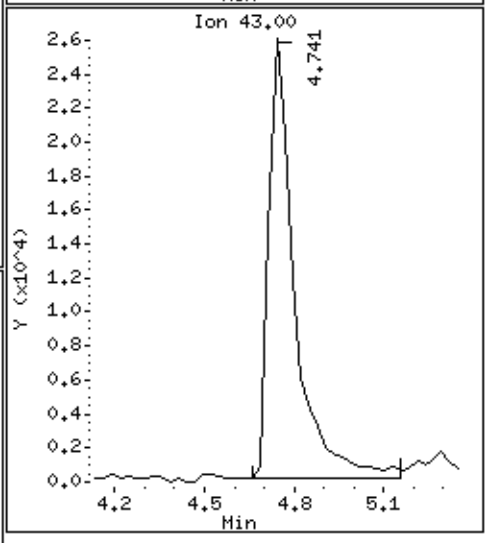
32 Acetone

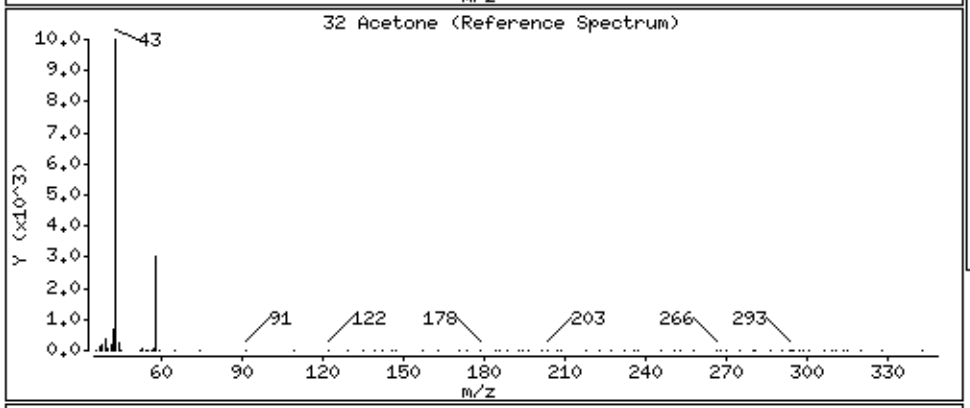
Concentration: 7.047 PPBV

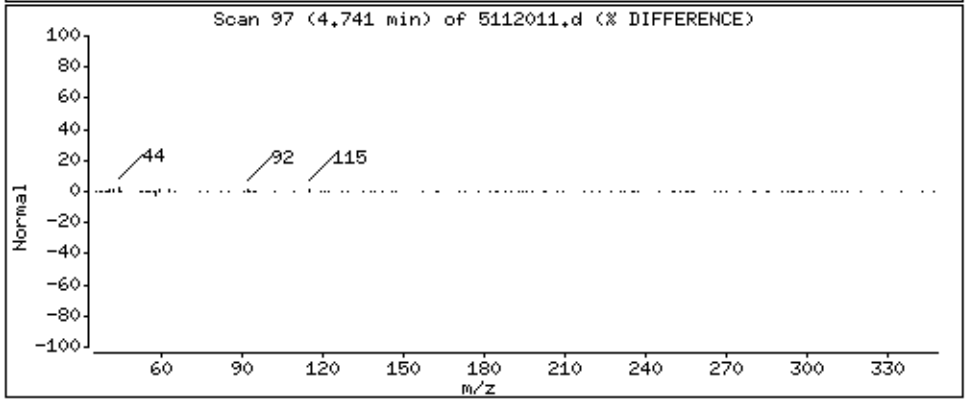












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMSXX Lab Duplicate

Lab ID#: 0711168-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	8.2	8.1	20

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMSXX Lab Duplicate

Lab ID#: 0711168-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112012**	**Date of Collection:**	**11/7/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**11/20/07 04:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMSXX Lab Duplicate

Lab ID#: 0711168-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112012**	**Date of Collection: 11/7/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 11/20/07 04:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	8.2	8.1	20
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112012.d
Lab Smp Id: 0711168-02AA
Inj Date : 20-NOV-2007 16:07
Operator : cb Inst ID: msd5.i
Smp Info : 200ml #34482
Misc Info : 6.5"Hg-5psi
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:14 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.71000
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 (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	287592	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	229639			49.72- 109.72	79.85
8.059	8.059 (1.000)	49	652428			190.92- 250.92	226.86
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1088272	25.0000		80.00- 120.00	100.00
9.912	9.939 (1.000)	88	172549			0.00- 46.72	15.86
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	818383	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	476368			0.00- 30.00	58.21
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	427482	24.8334	24.833	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	212366			27.88- 87.88	49.68
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	913543	23.7768	23.777	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	86890			0.00- 40.29	9.51

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	594987			37.87- 97.87	65.13
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	464199	24.3095	24.310	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	754196			130.01- 190.01	162.47
16.575	16.575 (1.105)	176	455534			65.91- 125.91	98.13
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	54863	4.80749	8.221	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	158492			0.00- 30.00	288.88

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112012.d
Lab Smp Id: 0711168-02AA
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	287592	-30.54
92 1,4-Difluorobenze	1597898	958739	2237057	1088272	-31.89
125 Chlorobenzene-d5	1184383	710630	1658136	818383	-30.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 21-Nov-2007 10:52

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0711168-02AA
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 6.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.833	99.33	70-130
$ 107 Toluene-d8	25.000	23.777	95.11	70-130
$ 138 Bromofluorobenzene	25.000	24.310	97.24	70-130

Data File: /chem/msd5.i/5-20nov.b/5112012.d

Date : 20-NOV-2007 16:07

Client ID:

Sample Info: 200ml #34482

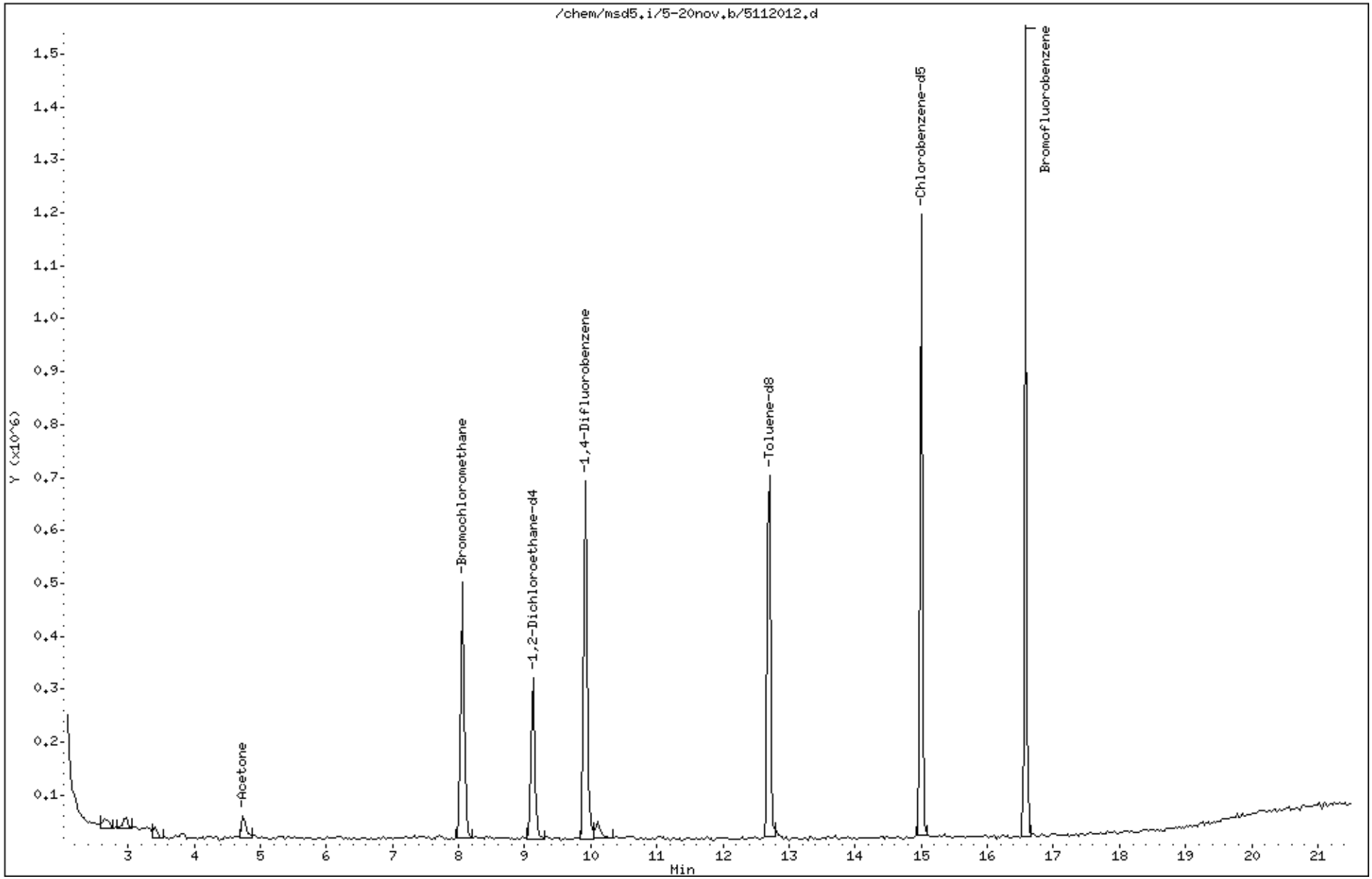
Column phase: RTx-624

Instrument: msd5.i

Operator: cb

Column diameter: 0.53

0031



Data File: /chem/msd5.i/5-20nov.b/5112012.d

Date : 20-NOV-2007 16:07

Client ID:

Instrument: msd5.i

Sample Info: 200ml #34482

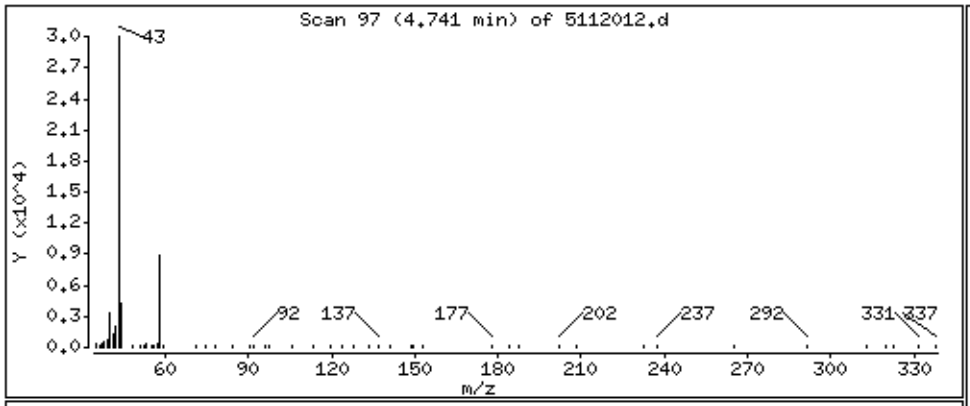
Operator: cb

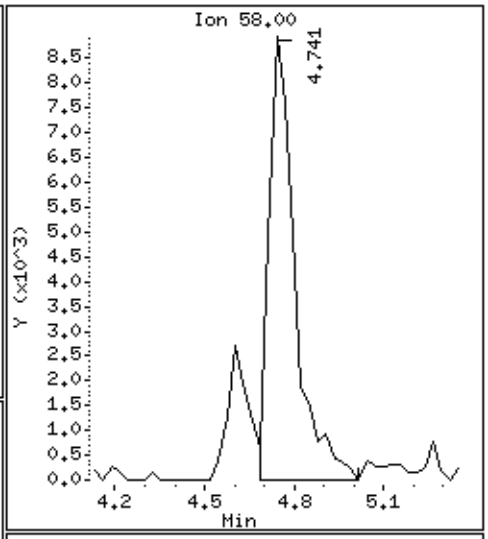
Column phase: RTx-624

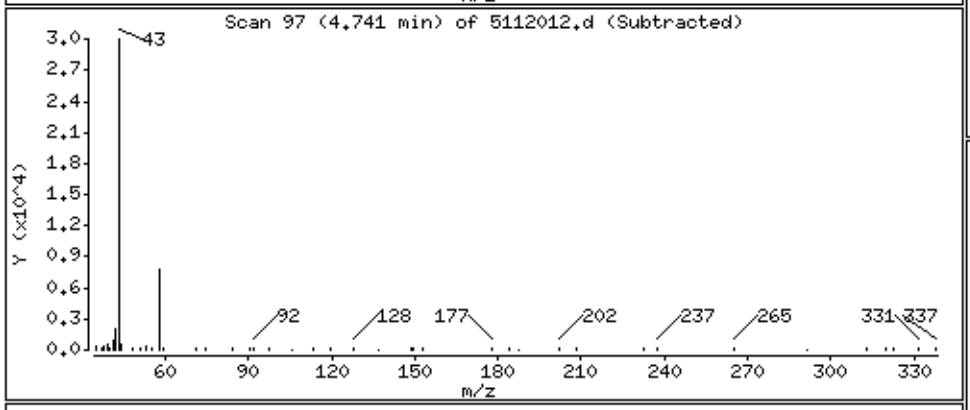
Column diameter: 0.53

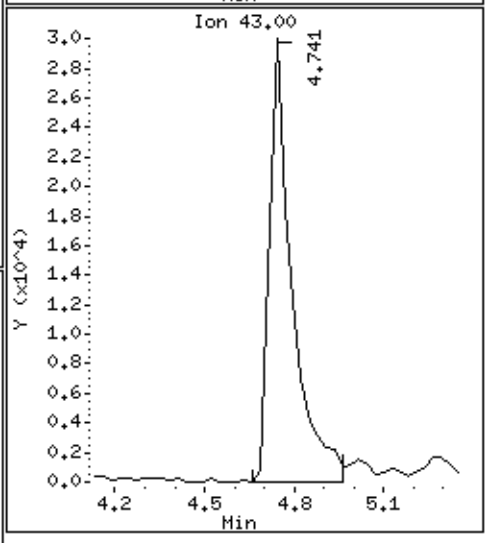
32 Acetone

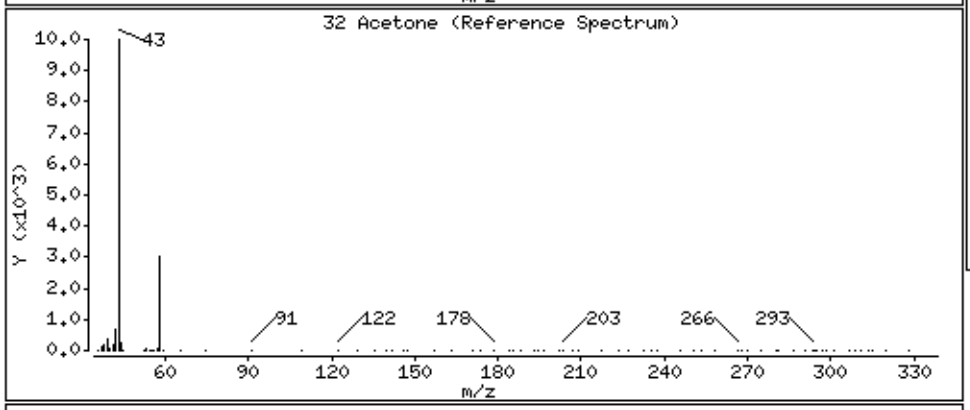
Concentration: 8.221 PPBV

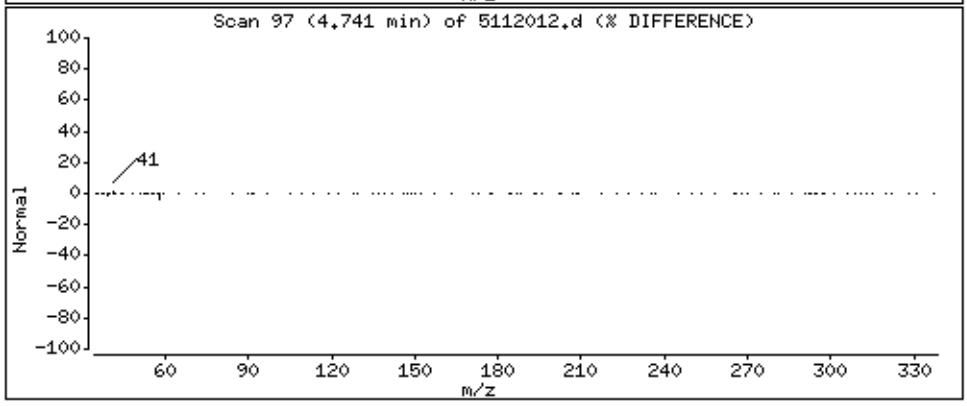












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 5

Lab ID#: 0711168-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.9	14	9.3	32
2-Butanone (Methyl Ethyl Ketone)	0.98	3.0	2.9	8.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 5

Lab ID#: 0711168-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112016**	**Date of Collection:**	**11/7/07**
Dil. Factor:	**1.96**	**Date of Analysis:**	**11/20/07 06:49 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
Bromomethane	0.98	Not Detected	3.8	Not Detected
Chloroethane	0.98	Not Detected	2.6	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
Methylene Chloride	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
Benzene	0.98	Not Detected	3.1	Not Detected
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
Toluene	0.98	Not Detected	3.7	Not Detected
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	Not Detected	4.2	Not Detected
m,p-Xylene	0.98	Not Detected	4.2	Not Detected
o-Xylene	0.98	Not Detected	4.2	Not Detected
Styrene	0.98	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 5

Lab ID#: 0711168-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112016**	**Date of Collection: 11/7/07**	
Dil. Factor:	**1.96**	**Date of Analysis: 11/20/07 06:49 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.98	Not Detected	4.0	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
Chloromethane	3.9	Not Detected	8.1	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
Acetone	3.9	14	9.3	32
Carbon Disulfide	0.98	Not Detected	3.0	Not Detected
2-Propanol	3.9	Not Detected	9.6	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.98	3.0	2.9	8.9
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.98	Not Detected	4.0	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
Ethanol	3.9	Not Detected	7.4	Not Detected
Methyl tert-butyl ether	0.98	Not Detected	3.5	Not Detected
3-Chloropropene	3.9	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.98	Not Detected	4.6	Not Detected
Naphthalene	3.9	Not Detected	20	Not Detected

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112016.d
Lab Smp Id: 0711168-03A
Inj Date : 20-NOV-2007 18:49
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #3732
Misc Info : 9.5"Hg --> 5psi GEI
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:14 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.96000
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 (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	296483	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	229988			49.72- 109.72	77.57
8.059	8.059 (1.000)	49	663978			190.92- 250.92	223.95
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1129851	25.0000		80.00- 120.00	100.00
9.912	9.939 (1.000)	88	189907			0.00- 46.72	16.81
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	854947	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	515773			0.00- 30.00	60.33
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	432698	24.3826	24.382	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	212950			27.88- 87.88	49.21
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	935168	23.4439	23.444	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	99408			0.00- 40.29	10.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	597431			37.87- 97.87	63.88
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	491467	24.6368	24.637	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	781470			130.01- 190.01	159.01
16.575	16.575 (1.105)	176	490594			65.91- 125.91	99.82
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	81319	6.91206	13.548	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	255701			0.00- 30.00	314.44
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	12884	1.54782	3.034	80.00- 120.00	100.00
7.672	7.672 (0.952)	43	69227			576.23- 636.23	537.28
7.700	7.672 (0.955)	57	7714			0.00- 30.00	59.87

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112016.d
Lab Smp Id: 0711168-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 9.5"Hg --> 5psi GEI

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	296483	-28.39
92 1,4-Difluorobenze	1597898	958739	2237057	1129851	-29.29
125 Chlorobenzene-d5	1184383	710630	1658136	854947	-27.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 21-Nov-2007 11:00

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0711168-03A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 9.5"Hg --> 5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.382	97.53	70-130
$ 107 Toluene-d8	25.000	23.444	93.78	70-130
$ 138 Bromofluorobenzene	25.000	24.637	98.55	70-130

Data File: /chem/msd5.i/5-20nov.b/5112016.d

Date : 20-NOV-2007 18:49

Client ID:

Sample Info: 200mL #3732

Column phase: RTx-624

Instrument: msd5.i

Operator: cb

Column diameter: 0.53

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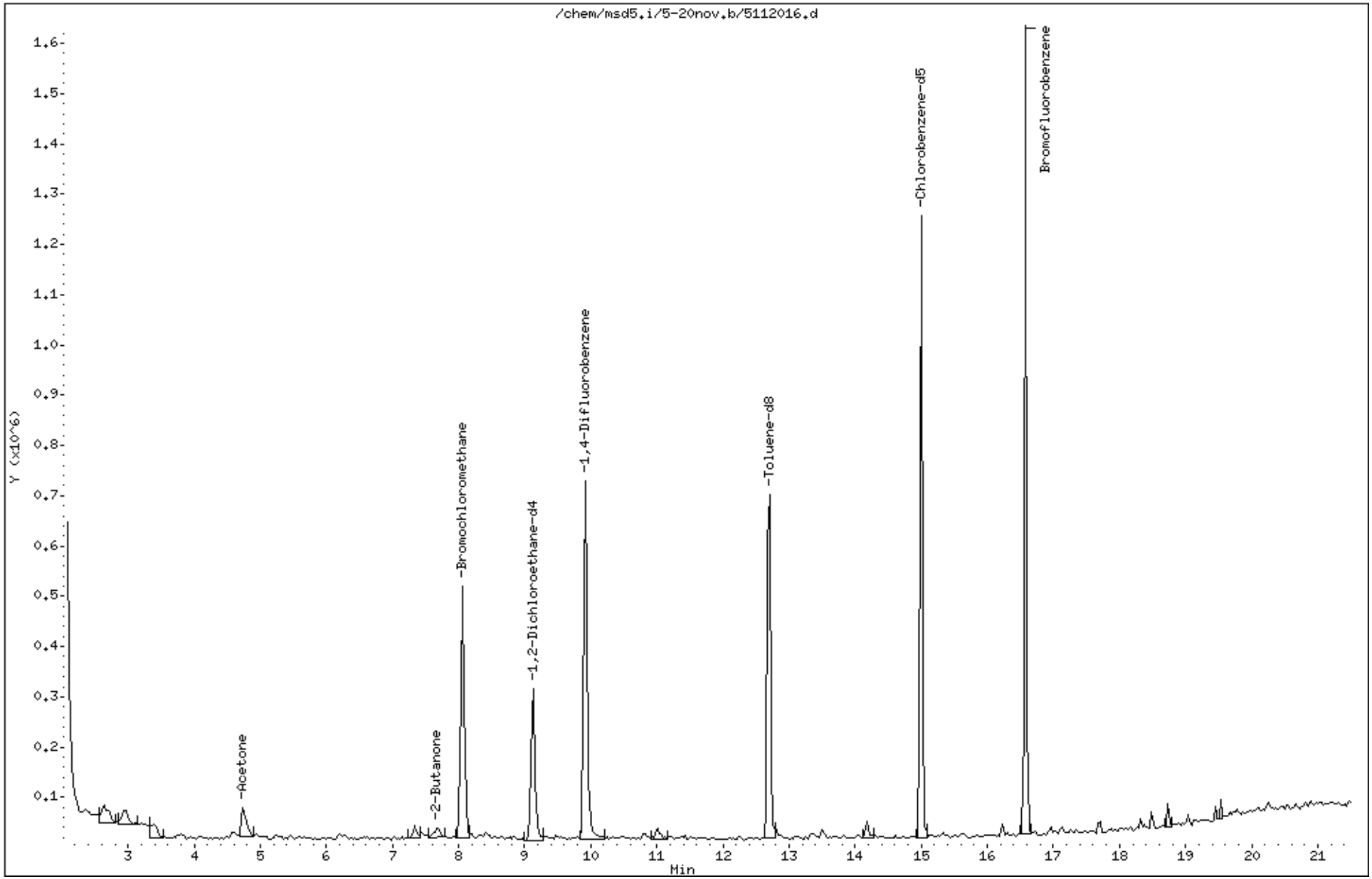


Data File: /chem/msd5.i/5-20nov.b/5112016.d

Date : 20-NOV-2007 18:49

Client ID:

Instrument: msd5.i

Sample Info: 200mL #3732

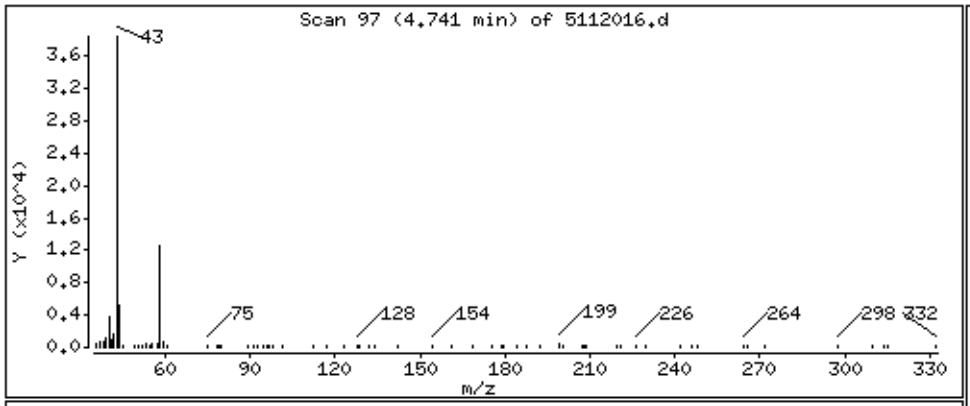
Operator: cb

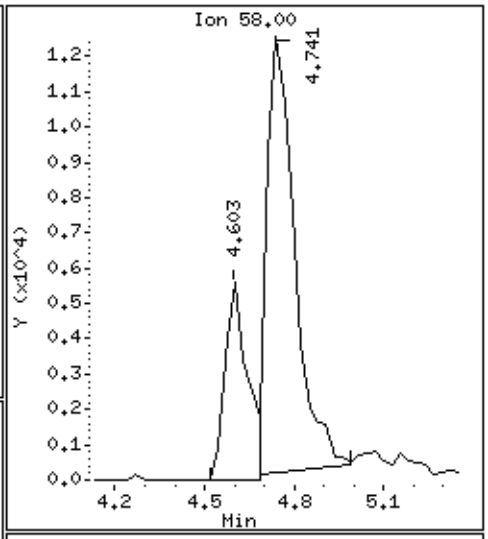
Column phase: RTx-624

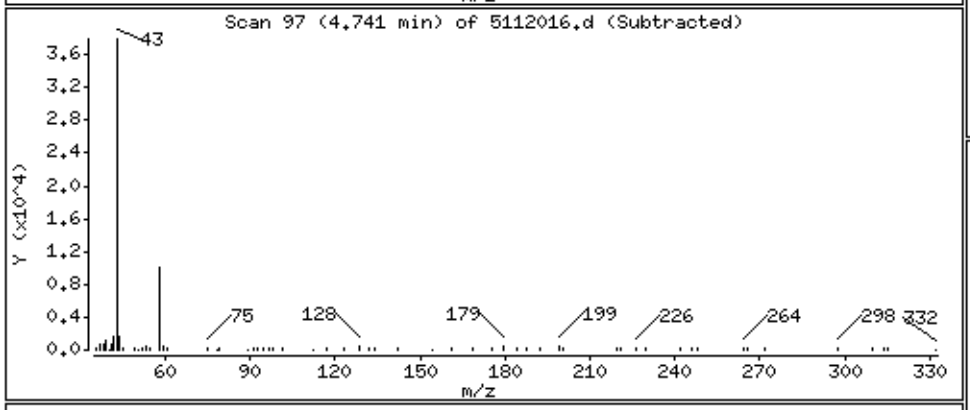
Column diameter: 0.53

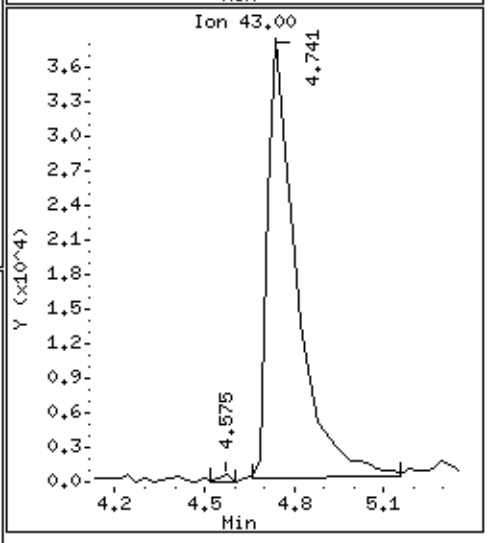
32 Acetone

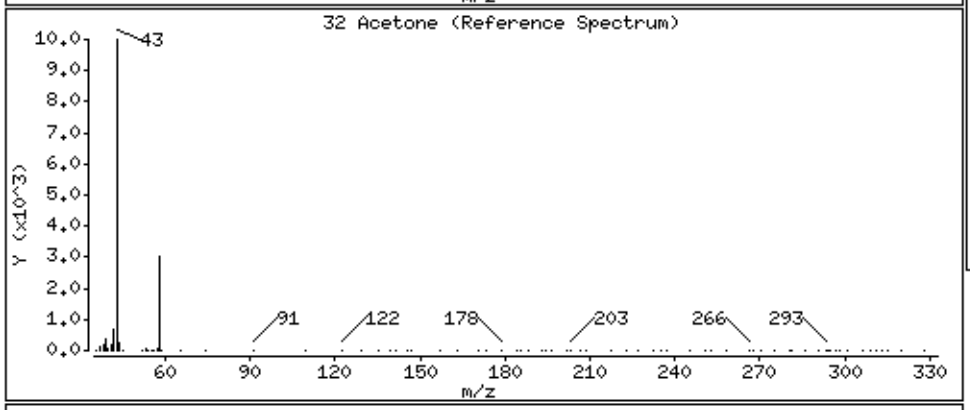
Concentration: 13.548 PPBV

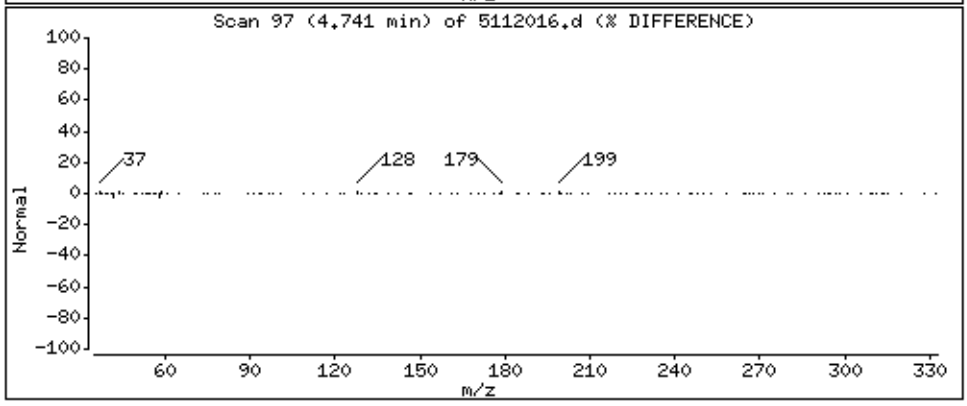












Data File: /chem/msd5.i/5-20nov.b/5112016.d

Date : 20-NOV-2007 18:49

Client ID:

Instrument: msd5.i

Sample Info: 200mL #3732

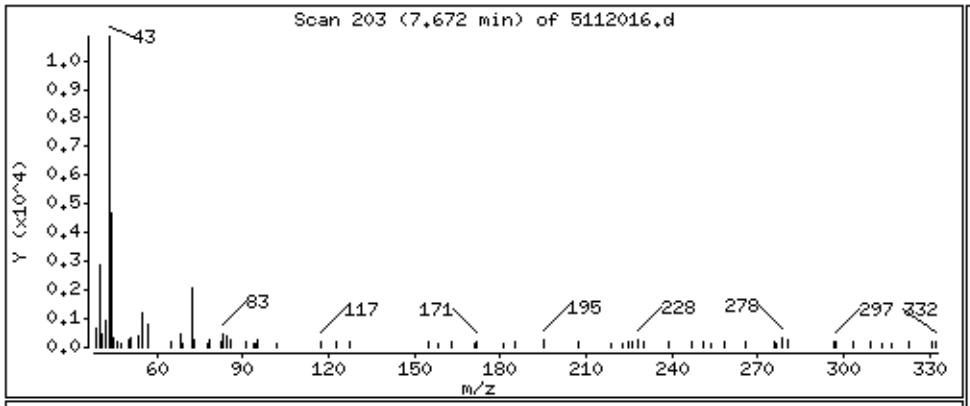
Operator: cb

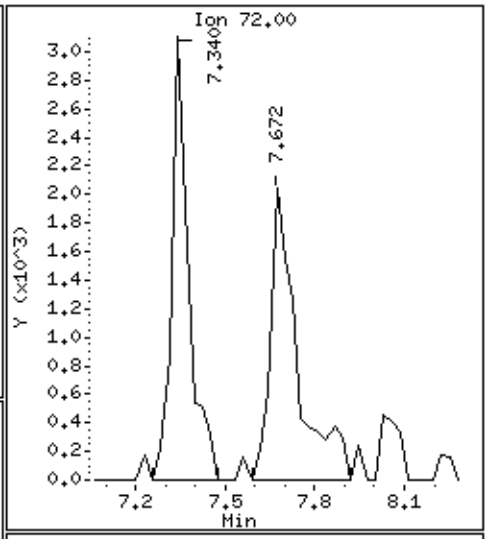
Column phase: RTx-624

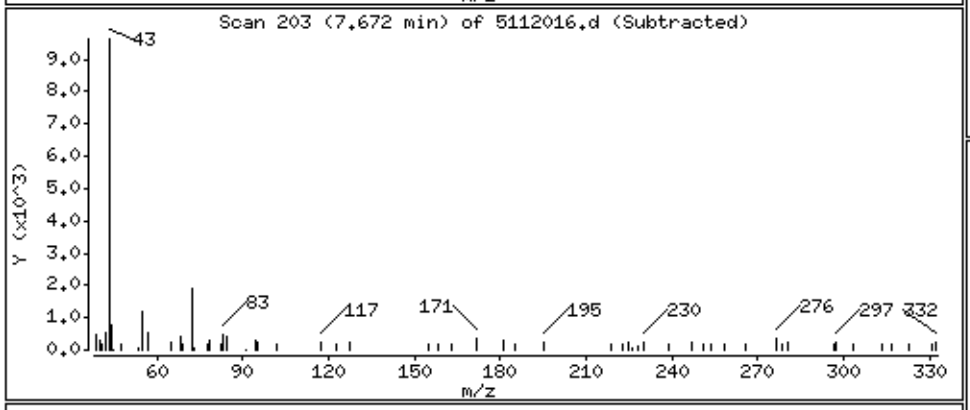
Column diameter: 0.53

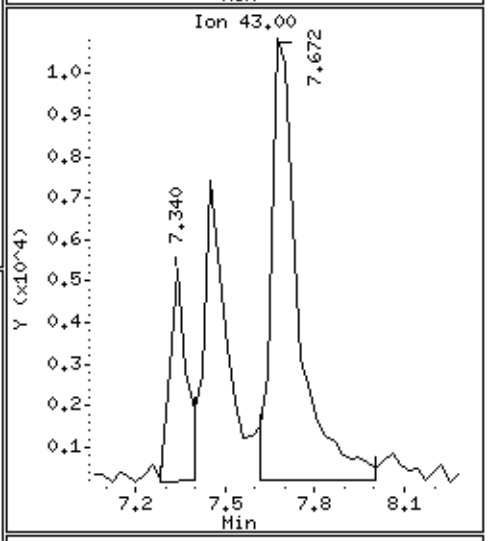
67 2-Butanone

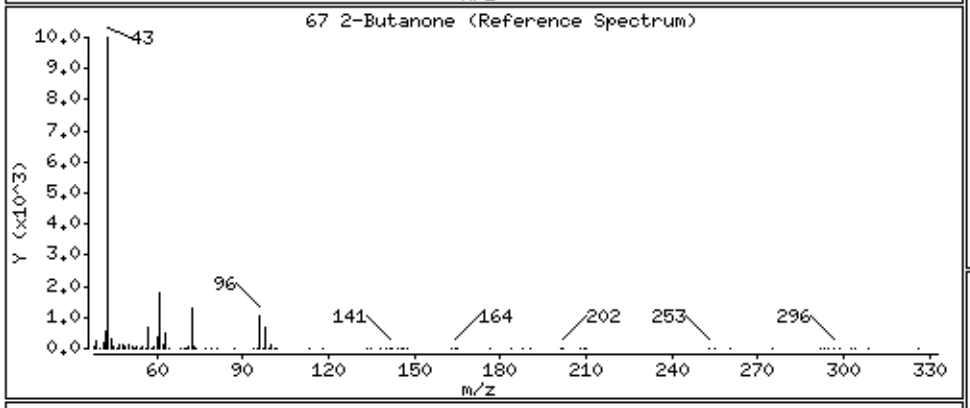
Concentration: 3.034 PPBV

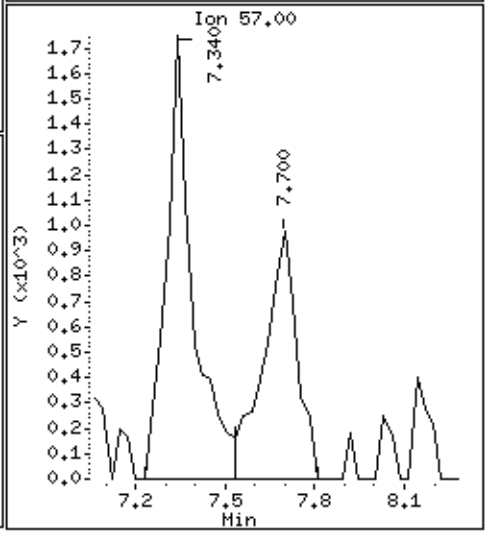


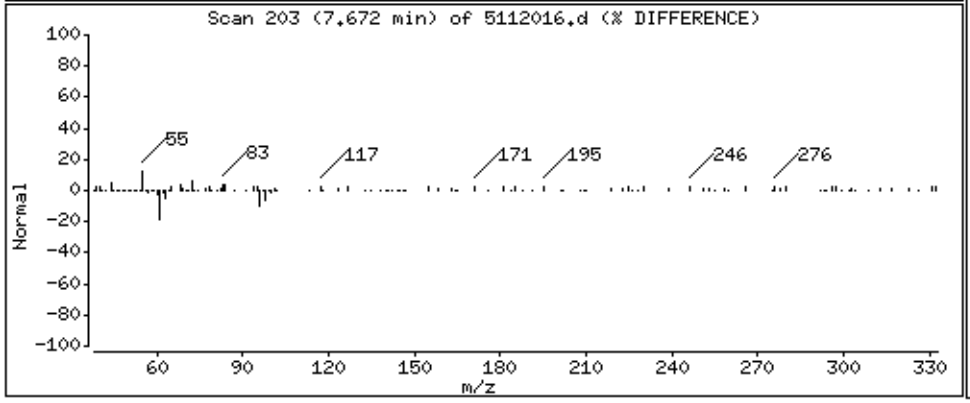












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: TRIP BLANK

Lab ID#: 0711168-04A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: TRIP BLANK

Lab ID#: 0711168-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112017**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 07:21 PM**	

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: TRIP BLANK

Lab ID#: 0711168-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112017**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 07:21 PM**	

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: 6 Liter Summa Canister (100% Certified)

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112017.d
Lab Smp Id: 0711168-04A
Inj Date : 20-NOV-2007 19:21
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #24229
Misc Info : 4.8psi --> 4.8psi GEI
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:14 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.00000
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 (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	290655	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	224119			49.72- 109.72	77.11
8.059	8.059 (1.000)	49	648504			190.92- 250.92	223.12
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1085370	25.0000		80.00- 120.00	100.00
9.912	9.939 (1.000)	88	194512			0.00- 46.72	17.92
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	856136	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	477544			0.00- 30.00	55.78
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	422996	24.3138	24.314	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	216413			27.88- 87.88	51.16
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	907507	23.6829	23.683	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	90884			0.00- 40.29	10.01

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	577046			37.87- 97.87	63.59
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	482768	24.1671	24.167	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	760216			130.01- 190.01	157.47
16.575	16.575 (1.105)	176	457220			65.91- 125.91	94.71

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112017.d
Lab Smp Id: 0711168-04A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 4.8psi --> 4.8psi GEI

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	290655	-29.80
92 1,4-Difluorobenze	1597898	958739	2237057	1085370	-32.08
125 Chlorobenzene-d5	1184383	710630	1658136	856136	-27.71

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 21-Nov-2007 11:01

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0711168-04A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 4.8psi --> 4.8psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.314	97.26	70-130
$ 107 Toluene-d8	25.000	23.683	94.73	70-130
$ 138 Bromofluorobenzene	25.000	24.167	96.67	70-130

Data File: /chem/msd5.i/5-20nov.b/5112017.d

Date : 20-NOV-2007 19:21

Client ID:

Sample Info: 200mL #24229

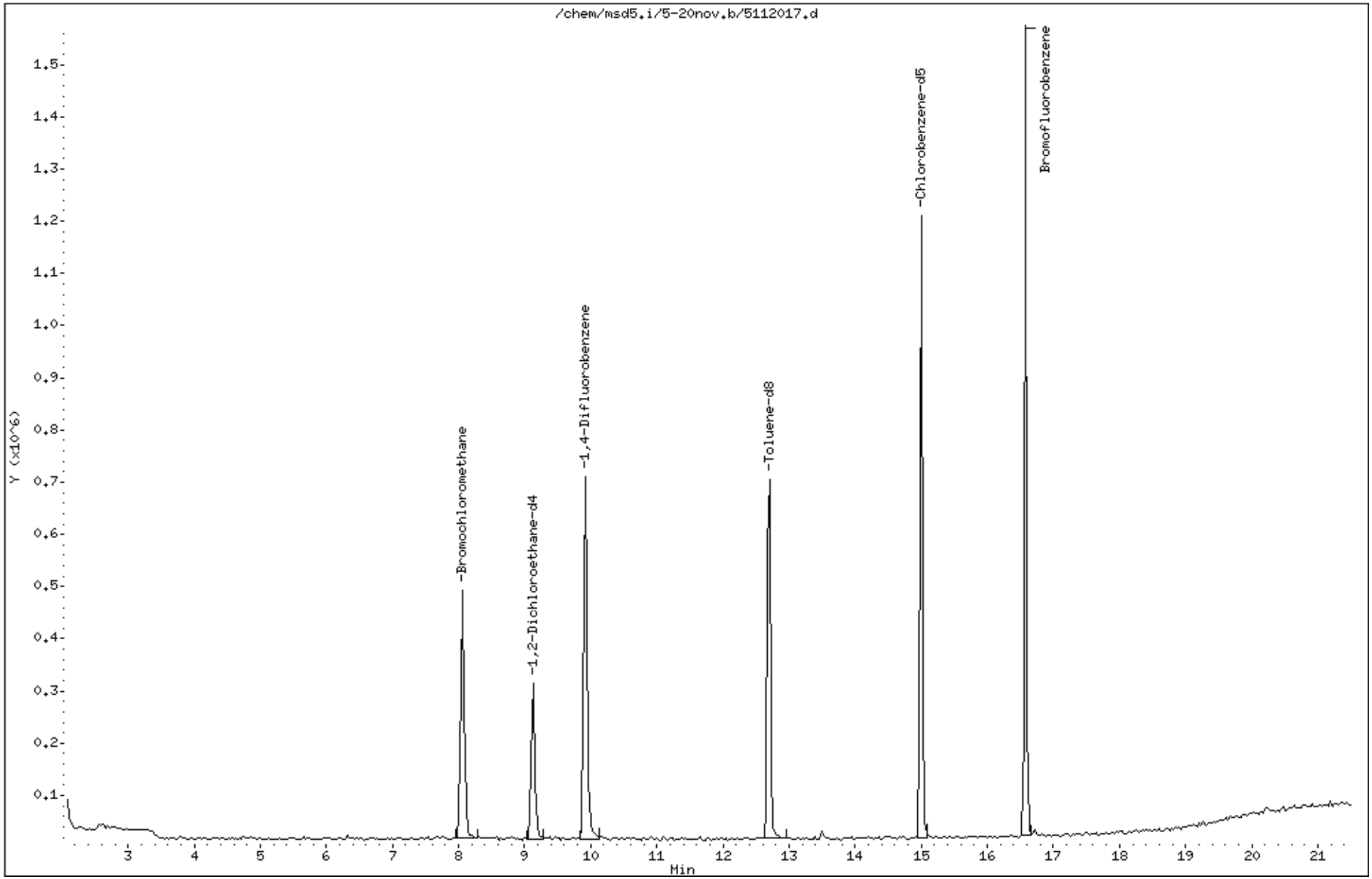
Column phase: RTx-624

Instrument: msd5.i

Operator: cb

Column diameter: 0.53

0050



QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0711168-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 01:02 PM**	

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#: 0711168-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 01:02 PM**	

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	97	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112007.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 20-NOV-2007 13:02
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #13673
Misc Info : Humid Cert Cart #14 Leg 8
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:05 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ab.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	320122	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	244606			49.72- 109.72	76.41
8.059	8.059 (1.000)	49	696670			190.92- 250.92	217.63
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1163559	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	196718			0.00- 46.72	16.91
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	901187	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	531700			0.00- 30.00	59.00
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	461845	24.1032	24.103	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	231252			27.88- 87.88	50.07
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	997304	24.2774	24.277	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	107236			0.00- 40.29	10.75

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	641855			37.87- 97.87	64.36
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	492218	23.4084	23.408	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	822522			130.01- 190.01	167.11
16.575	16.575 (1.105)	176	487633			65.91- 125.91	99.07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112007.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: Humid Cert Cart #14 Leg 8

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	320122	-22.68
92 1,4-Difluorobenze	1597898	958739	2237057	1163559	-27.18
125 Chlorobenzene-d5	1184383	710630	1658136	901187	-23.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 20-Nov-2007 16:08

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04+ab.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: Humid Cert Cart #14 Leg 8

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.103	96.41	70-130
$ 107 Toluene-d8	25.000	24.277	97.11	70-130
$ 138 Bromofluorobenzene	25.000	23.408	93.63	70-130

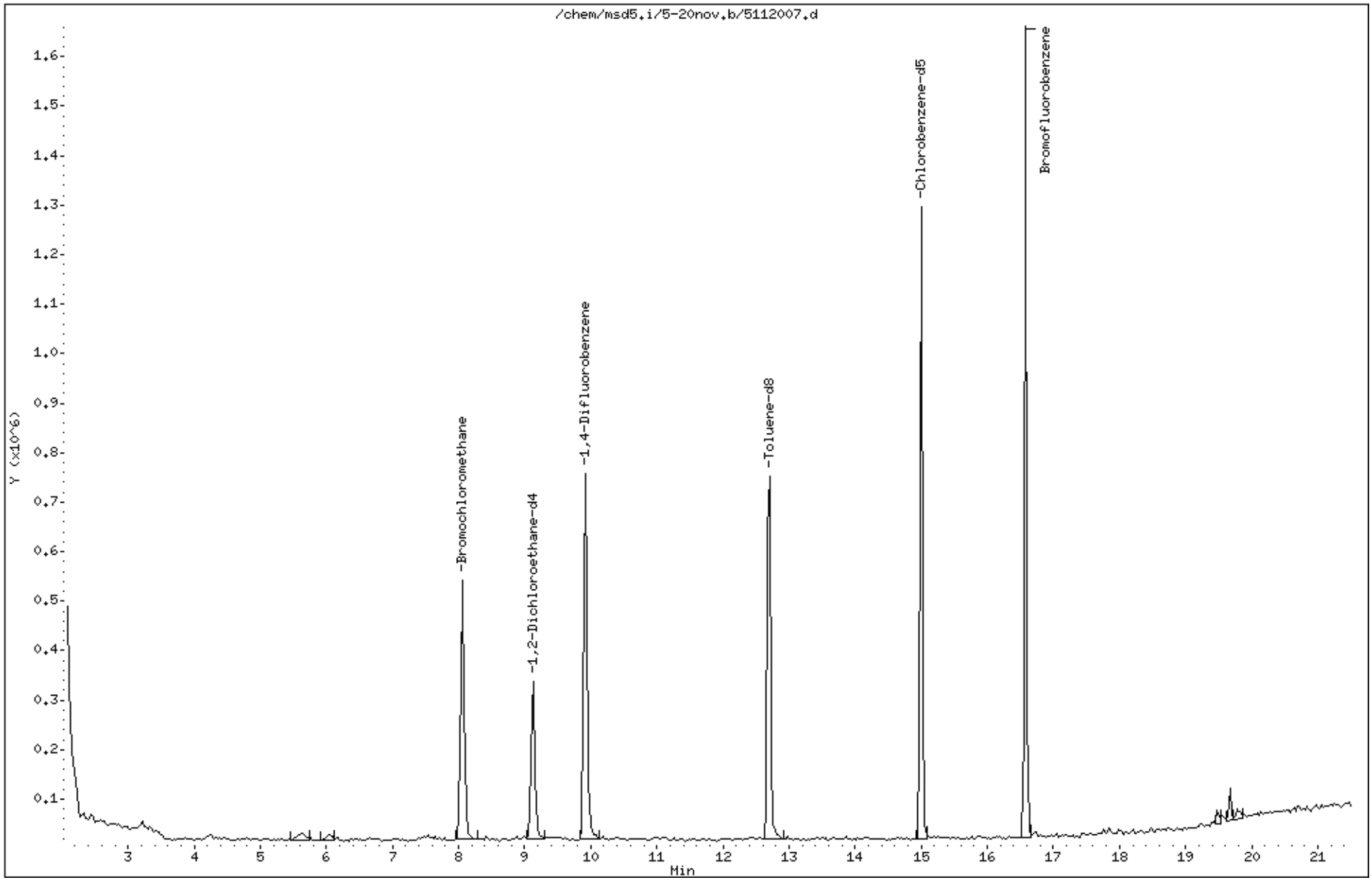
0058

Data File: /chem/msd5.i/5-20nov.b/5112007.d
Date : 20-NOV-2007 13:02
Client ID: Lab Blank
Sample Info: 200mL #13673

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0711168

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UW AMS 3	99		96		96				0
02	AMSXX	97		96		95				0
03	AMSXX Lab Duplicate	99		95		97				0
04	DW AMS 5	98		94		98				0
05	TRIP BLANK	97		95		97				0
06	Lab Blank	96		97		94				0
07	CCV	101		97		100				0
08	LCS	96		99		100				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: 0711168

Lab File ID: 5112002.d | Date Analyzed: 11/20/2007

Instrument ID: msd5.i | Time Analyzed: 08:46 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1184383		15		1597898		9.94		414029		8.06	
	UPPER LIMIT	1658136		15.33		2237057		10.27		579641		08.39	
	LOWER LIMIT	710630		14.67		958739		09.61		248417		07.73	
	CLIENT SAMPLE NO												
01	UW AMS 3	878586		15		1111549		9.91		293857		8.06	
02	AMSXX	858821		15		1102597		9.91		300713		8.06	
03	AMSXX Lab Duplicate	818383		15		1088272		9.91		287592		8.06	
04	DW AMS 5	854947		15		1129851		9.91		296483		8.06	
05	TRIP BLANK	856136		15		1085370		9.91		290655		8.06	
06	Lab Blank	901187		15		1163559		9.91		320122		8.06	
07	CCV	1184383		15		1597898		9.94		414029		8.06	
08	LCS	971649		15		1260252		9.91		329952		8.06	
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: 5112012.d & 5112011.d

Lab Sample ID: 02A & 02AA Dilution: 1.71 & 1.71

Client Sample ID: & Date Analyzed: 11/20/07 & 11/20/07

		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)	ND	U	ND	U	0
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	7.047		8.221		15
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: 5112012.d & 5112011.d
Lab Sample ID: 02A & 02AA
Dilution: 1.71 & 1.71
Client Sample ID: &
Date Analyzed: 11/20/07 & 11/20/07

CAS Number	Compound	Original Amount	Original Flags	Duplicate Amount	Duplicate 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 : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd5.i/5-12nov.b/5111207.d
Level 2: /chem/msd5.i/5-12nov.b/5111232.d
Level 3: /chem/msd5.i/5-19nov.b/5111911.d
Level 4: /chem/msd5.i/5-12nov.b/5111210.d
Level 5: /chem/msd5.i/5-19nov.b/5111912.d
Level 6: /chem/msd5.i/5-12nov.b/5111212.d
Level 7: /chem/msd5.i/5-19nov.b/5111913.d
Level 8: /chem/msd5.i/5-13nov.b/5111303.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	RRF	% RSD
	200.000 Level 7	250.000 Level 8						
1 Freon134a	+++++	+++++	0.94452	+++++	1.13299	+++++		
	1.02819	+++++					1.03523	9.122
2 Propane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
3 Freon 152a	+++++	+++++	0.75951	+++++	1.05087	+++++		
	0.98320	+++++					0.93120	16.375
4 Freon 22	+++++	+++++	0.29507	+++++	0.29162	+++++		
	0.27887	+++++					0.28852	2.957
5 Freon142b	+++++	+++++	1.28221	+++++	2.22653	+++++		
	2.06052	+++++					1.85642	27.158
6 Propylene	+++++	+++++	1.33663	1.98098	1.84757	1.78835		
	1.77133	+++++					1.74497	13.907
7 Isobutane	+++++	+++++	3.86240	+++++	4.22761	+++++		
	3.73940	+++++					3.94314	6.440

Air Toxics Ltd.

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Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8						
8 Dichlorodifluoromethane/Fr12	+++++	2.14296	2.41813	3.42716	3.06268	3.40660		
	3.27897	+++++					2.95608	18.473
9 Freon 114	+++++	2.35572	2.34787	3.13944	2.87726	2.78949		
	2.67692	+++++					2.69778	11.432
10 Chloromethane	+++++	+++++	1.60683	2.55808	2.34986	2.35020		
	2.23347	+++++					2.21969	16.310
11 Butane	+++++	+++++	0.42153	0.59949	0.55149	0.53532		
	0.53045	+++++					0.52766	12.376
12 1,3-Butadiene	+++++	1.36769	1.32470	2.25041	2.03875	2.02523		
	1.94101	+++++					1.82463	21.079
13 Vinyl Chloride	+++++	1.94068	1.71199	2.50747	2.31038	2.22243		
	2.12601	+++++					2.13649	13.137
14 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
15 Bromomethane	+++++	1.17885	1.02592	1.63273	1.51216	1.48575		
	1.44040	+++++					1.37930	16.596
16 Dichlorofluoromethane/Fr21	+++++	+++++	1.96732	+++++	2.44556	+++++		
	2.29871	+++++					2.23719	10.950
17 Isopentane	+++++	+++++	2.50260	3.49372	3.22831	3.19381		
	3.05601	+++++					3.09489	11.861

Air Toxics Ltd.

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Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD
18 Pentane	+++++	+++++	3.41076	+++++	4.42668	+++++	4.28578	+++++	4.04107	13.620
19 Chloroethane	+++++	1.13285	0.86045	1.28504	1.09440	1.08050	1.06729	+++++	1.08675	12.558
20 Trichlorofluoromethane/Fr11	+++++	2.87555	2.52189	3.78007	3.49996	3.38902	3.27118	+++++	3.22295	14.077
21 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Freon123a	+++++	+++++	1.16671	+++++	1.25309	+++++	1.29965	+++++	1.23982	5.441
23 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Freon123	+++++	+++++	1.96506	+++++	2.55391	+++++	2.46247	+++++	2.32714	13.617
25 Acrolein	+++++	+++++	0.34332	+++++	0.54521	+++++	0.52509	+++++	0.47121	23.601
26 Ethanol	+++++	+++++	0.52661	0.83695	0.76785	0.72130	0.64815	+++++	0.70017	16.984
27 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD
28 Acetaldehyde	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
29 Freon143a	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30 Freon 113	*****	1.91659	1.56182	2.37148	2.10219	2.07645	1.99552	*****	2.00401	13.262
31 1,1-Dichloroethene	*****	2.21687	2.16206	3.06675	2.86001	2.81451	2.79309	*****	2.65222	14.016
32 Acetone	*****	*****	0.61101	1.11948	1.08688	1.08129	1.06149	*****	0.99203	21.573
33 Methyl Acetate	*****	*****	2.71505	*****	4.34600	*****	4.02826	*****	3.69644	23.391
34 Acetonitrile	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
35 Carbon Disulfide	*****	3.32414	3.49304	5.41847	4.96922	4.94551	4.79833	*****	4.49145	19.275
36 2-Propanol	*****	*****	2.31777	3.85058	3.80252	3.87240	3.80888	*****	3.53043	19.219
37 tert-Butyl-Alcohol	*****	*****	1.68840	*****	1.36172	*****	0.84739	*****	1.29917	32.635

Air Toxics Ltd.

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Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
38 3-Chloropropene	+++++ / 0.76493	+++++	0.53986	0.82084	0.81735	0.79617	0.74783	15.828
39 Acrylonitrile	+++++ / 1.77500	+++++	1.19534	+++++	1.81946	+++++	1.59660	21.809
40 2-Methyl-1-Butene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Vinyl Bromide	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 1-Pentene	+++++ / 2.48452	+++++	1.92962	+++++	2.64399	+++++	2.35271	15.938
43 Methylene Chloride	+++++ / 2.29716	2.18980 / +++++	1.79922	2.58303	2.37732	2.36058	2.26785	11.608
44 Ethyl Ether	+++++ / 0.87544	+++++	0.61660	+++++	0.92281	+++++	0.80495	20.476
45 Ethanol-high	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 MTBE	+++++ / 1.28551	2.26968 / +++++	1.51670	1.87823	1.71311	1.57976	1.70717	19.882
47 trans-1,2-Dichloroethene	+++++ / 1.73593	1.16025 / +++++	1.27834	1.92147	1.76911	1.77243	1.60625	19.224

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD	
48 Propanal	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
49 Isopropyl ether	*****	*****	4.92934	*****	6.87591	*****	6.93254	*****	6.24593	18.261	
50 Bromoethane	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
51 Hexane	*****	2.46682	2.43567	3.86592	3.61363	3.63581	3.58034	*****	3.26636	19.577	
52 Chloroprene	*****	*****	2.08646	*****	3.48132	*****	3.30969	*****	2.95915	25.704	
53 Iodomethane	*****	*****	2.21252	*****	3.58076	*****	3.11458	*****	2.96929	23.426	
54 2,3-Dimethylbutane	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
55 1,1-Dichloroethane	*****	2.10360	2.41092	3.46585	3.17790	3.17315	3.11876	*****	2.90836	18.148	
56 Vinyl Acetate	*****	*****	0.16492	0.41424	0.40332	0.42711	0.43264	*****	0.36845	31.034	<-
57 Ethyl-tert-butyl Ether	*****	*****	1.77550	*****	3.01750	*****	2.37836	*****	2.39046	25.982	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD	
58 1-Hexene	+++++	+++++	0.98088	+++++	1.45146	+++++	1.41765	+++++	1.28333	20.453	
59 1,3-Dichloropropane	+++++	+++++	0.35918	+++++	0.55397	+++++	0.51750	+++++	0.47688	21.715	
60 2,2-Dichloropropane	+++++	+++++	1.26874	+++++	1.99847	+++++	1.92216	+++++	1.72979	23.188	
61 Ethyl Acetate	+++++	+++++	0.21783	+++++	0.31814	+++++	0.33777	+++++	0.29125	22.090	
62 Methyl Acrylate	+++++	+++++	1.49405	+++++	3.34359	+++++	3.33972	+++++	2.72578	39.134	
63 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
64 1-Propanol	+++++	+++++	0.12700	+++++	0.30625	+++++	0.34871	+++++	0.26065	45.147	<-
65 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
66 cis-1,2-Dichloroethene	+++++	1.79718	1.78128	2.54908	2.33516	2.32726	2.31230	+++++	2.18371	14.552	
67 2-Butanone	+++++	0.64058	0.42684	0.77906	0.78663	0.78694	0.79131	+++++	0.70189	20.918	

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
68 2-Butanol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
69 3-Methyl-1-Hexene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Tetrahydrofuran	+++++ / 2.62003	2.89615 / +++++	2.01569	2.81384	2.66945	2.66508	2.61338	11.896
72 Chloroform	+++++ / 2.63482	1.85697 / +++++	2.01228	2.91307	2.70085	2.66696	2.46416	17.224
73 1,1-Dichloropropene	+++++ / 0.70852	+++++ / +++++	0.50371	+++++	0.76357	+++++	0.65860	20.792
74 Cyclohexane	+++++ / 2.13124	1.48727 / +++++	1.55950	2.36916	2.18953	2.16867	1.98423	18.494
75 1,1,1-Trichloroethane	+++++ / 2.61196	2.14462 / +++++	1.90906	2.79475	2.68520	2.63285	2.46307	14.281
76 Isobutanol	+++++ / 0.42205	+++++ / +++++	0.26685	+++++	0.39129	+++++	0.36006	22.823
77 Carbon Tetrachloride	+++++ / 2.28291	1.39443 / +++++	1.55958	2.42097	2.25001	2.29409	2.03366	21.548
78 tert-amyl-Methyl Ether	+++++ / 1.78316	+++++ / +++++	1.56158	+++++	2.40734	+++++	1.91736	22.873

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD
79 2,3-Dimethylpentane	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80 2,2,4-Trimethylpentane	*****	6.46742	6.43483	10.79687	9.93119	10.12077	9.98846	*****	8.95659	21.942
81 Benzene	*****	0.86714	0.83488	1.27550	1.21675	1.15483	1.11627	*****	1.07756	17.071
82 1-Methoxy-2-Propanol	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83 2,3,4-Trimethylpentane	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85 1,2-Dichloroethane	*****	0.40590	0.38967	0.56859	0.54489	0.53423	0.51864	*****	0.49365	15.434
86 2-Pentanone	*****	*****	0.82851	*****	1.33081	*****	1.33195	*****	1.16375	24.948
87 Pentanal	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88 Ethyl Acrylate	*****	*****	0.53056	*****	0.97438	*****	1.02783	*****	0.84426	32.334
89 Octane	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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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	250.000 Level 8	___ RRF	% RSD
90 Heptane	+++++	0.08116	0.08418	0.14505	0.14238	0.13769	0.13168	+++++	0.12036	24.559
91 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Trichloroethene	+++++	0.42639	0.32876	0.49891	0.47147	0.45370	0.44315	+++++	0.43706	13.406
94 Methyl Cyclohexane	+++++	0.48944	0.48701	0.73738	0.69656	0.66783	0.65602	+++++	0.62237	17.293
95 Dibromomethane	+++++	+++++	0.23828	+++++	0.29579	+++++	0.27828	+++++	0.27078	10.885
96 Methyl Methacrylate	+++++	+++++	0.37805	+++++	0.69549	+++++	0.69092	+++++	0.58815	30.939
97 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 1,2-Dichloropropane	+++++	0.38729	0.35186	0.46911	0.46335	0.43802	0.43292	+++++	0.42376	10.768
99 1,4-Dioxane	+++++	+++++	0.18537	0.25698	0.27094	0.25881	0.25845	+++++	0.24611	13.984
100 Bromodichloromethane	+++++	0.49548	0.48012	0.69796	0.67917	0.66072	0.65298	+++++	0.61107	15.852

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
101 1-Methoxy-2-propyl acetate	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
102 Epichlorohydrin	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
103 cis-1,3-Dichloropropene	+++++ / 0.48873	0.29735 / +++++	0.32667	0.48832	0.50244	0.49504	0.43309	21.793
104 Decane	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
105 alpha-Pinene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
106 4-Methyl-2-pentanone	0.43175 / 0.40118	0.16694 / +++++	0.23634	0.41147	0.41700	0.40645	0.35302	29.961
108 Toluene	+++++ / 1.12239	1.09567 / +++++	0.86508	1.24060	1.20496	1.14109	1.11163	11.891
109 trans-1,4-dichloro-2-butene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
110 beta-Pinene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
111 Dicyclopentadiene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
112 Alphamethylstyrene	+++++	+++++	0.38933	+++++	0.80304	+++++			
	0.85561	+++++					0.68266	37.411	
113 trans-1,3-Dichloropropene	+++++	0.18296	0.29498	0.61567	0.62632	0.62490			
	0.64674	0.70569					0.52818	38.318	<-
114 1,1,2-Trichloroethane	+++++	0.39610	0.39469	0.54509	0.51796	0.49373			
	0.47937	+++++					0.47116	13.327	
115 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	
116 Tetrachloroethene	+++++	0.45111	0.49434	0.64278	0.59961	0.56072			
	0.53734	+++++					0.54765	12.700	
117 Bis(2-chloroethyl) ether	+++++	+++++	0.70085	+++++	0.91879	+++++			
	0.99375	+++++					0.87113	17.467	
118 Butyl Acetate	+++++	+++++	0.25494	+++++	0.44184	+++++			
	0.43981	+++++					0.37886	28.327	
119 2-Hexanone	+++++	+++++	0.38705	0.70746	0.73728	0.72182			
	0.73265	+++++					0.65725	23.048	
120 Dibromochloromethane	+++++	0.48543	0.46005	0.78337	0.75484	0.73819			
	0.73361	+++++					0.65925	22.107	
121 Undecane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8	___ RRF	% RSD
122 1,2-Dibromoethane	+++++	0.52523	0.51112	0.81252	0.78864	0.75350	0.75279	+++++	0.69063	19.626
123 1,1,1,2-Tetrachloroethane	+++++	+++++	0.33132	+++++	0.52257	+++++	0.48676	+++++	0.44688	22.752
124 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
126 Chlorobenzene	+++++	0.88825	0.94525	1.24714	1.18342	1.10891	1.08181	+++++	1.07580	12.765
127 Nonane	+++++	+++++	0.83658	+++++	1.53731	+++++	1.56899	+++++	1.31429	31.501
128 Ethyl Benzene	+++++	0.53437	0.38875	0.68425	0.66879	0.60711	0.60394	+++++	0.58120	18.645
129 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 m,p-Xylene	+++++	0.54044	0.51688	0.87274	0.82250	0.77957	0.75100	+++++	0.71385	20.930
131 2-Heptanone	+++++	+++++	0.52167	+++++	0.79118	+++++	0.91641	+++++	0.74309	27.146
132 o-Xylene	+++++	0.56408	0.52558	0.79941	0.76308	0.73032	0.69050	+++++	0.67883	16.282

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
133 Styrene	1.01812 / 1.14342	0.58973 / +++++	0.60689	1.26959	1.21344	1.16476	1.00085	28.528
134 Bromoform	+++++ / 0.63460	0.48390 / +++++	0.40330	0.67685	0.68425	0.64213	0.58750	19.734
135 Cyclohexanone	+++++ / 0.75222	+++++ / +++++	0.53372	+++++	0.71042	+++++	0.66546	17.429
136 Cumene	2.76185 / 1.87373	1.36519 / +++++	1.48674	2.40147	2.32384	2.19490	2.05825	24.639
137 Bromobenzene	+++++ / 0.57640	+++++ / +++++	0.43766	+++++	0.64466	+++++	0.55291	19.077
139 1,2,3-Trichloropropane	+++++ / 0.31982	+++++ / +++++	0.24503	+++++	0.34523	+++++	0.30336	17.170
140 2-Chlorotoluene	+++++ / 0.51453	+++++ / +++++	0.32740	+++++	0.54839	+++++	0.46344	25.683
141 1,1,2,2-Tetrachloroethane	+++++ / 1.04200	0.76674 / +++++	0.86441	1.23496	1.15323	1.08107	1.02374	17.278
142 Propylbenzene	+++++ / 2.43007	1.52345 / +++++	1.84115	2.86189	2.84745	2.63995	2.35732	23.556
143 4-Chlorotoluene	+++++ / 0.52520	+++++ / +++++	0.35794	+++++	0.54350	+++++	0.47555	21.503

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
144 4-Ethyltoluene	+++++ / 2.15067	1.26455 / +++++	1.45132	2.47094	2.39413	2.28584	2.00291	25.686
145 Aniline	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
146 Diisobutyl Ketone	+++++ / 1.88785	+++++ / +++++	1.47619	+++++	1.90111	+++++	1.75505	13.766
147 1,3,5-Trimethylbenzene	+++++ / 1.74793	1.25900 / +++++	1.34770	2.28575	2.15752	2.06450	1.81040	23.861
148 Isooctyl Alcohol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++
149 tert-Butylbenzene	+++++ / 2.17492	+++++ / +++++	1.47499	+++++	2.12146	+++++	1.92379	20.251
150 Pentachloroethane	+++++ / 0.40303	+++++ / +++++	0.21671	+++++	0.39389	+++++	0.33788	31.085
151 sec-Butylbenzene	+++++ / 2.38802	+++++ / +++++	1.76154	+++++	2.70134	+++++	2.28363	20.954
152 1,2,4-Trimethylbenzene	+++++ / 1.68855	1.00582 / +++++	1.15157	1.83029	1.81563	1.72281	1.53578	23.510
153 p-Cymene	+++++ / 0.58177	+++++ / +++++	0.33781	+++++	0.56323	+++++	0.49427	27.477

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
Curve Type : Average

Compound	0.20000 Level 1 / 200.000 Level 7	0.50000 Level 2 / 250.000 Level 8	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
154 1,2,3-Trimethylbenzene	+++++	+++++	0.48220	+++++	0.82940	+++++		
	0.81804	+++++					0.70988	27.788
155 1,3-Dichlorobenzene	+++++	0.99769	0.86656	1.24394	1.19375	1.12009		
	1.10147	+++++					1.08725	12.604
156 1,4-Dichlorobenzene	+++++	0.94834	1.10360	1.51808	1.44770	1.37048		
	1.25731	+++++					1.27425	16.993
157 alpha-Chlorotoluene	1.60406	0.82175	0.79269	1.98425	2.19183	2.23850		
	1.59858	+++++					1.60452	37.419 <-
158 Butylbenzene	+++++	+++++	0.31099	+++++	0.50442	+++++		
	0.52164	+++++					0.44568	26.243
159 1,2-Dichlorobenzene	+++++	1.01178	1.08493	1.26153	1.21775	1.17597		
	1.10932	+++++					1.14355	8.057
160 Hexachloroethane	+++++	+++++	0.45089	+++++	0.75661	+++++		
	0.77025	+++++					0.65925	27.391
161 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.29642	+++++	0.50709	+++++		
	0.56221	+++++					0.45524	30.813
162 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
163 1,2,4-Trichlorobenzene	+++++	+++++	0.77054	0.82814	0.85214	0.80829		
	0.79944	+++++					0.81171	3.778

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-19nov.b/t14qn12b.m
Cal Date : 20-Nov-2007 15:52 ctaylor
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	250.000 Level 8						
164 Hexachlorobutadiene	+++++	+++++	0.53651	0.60902	0.60706	0.56299		
	0.53576	+++++					0.57027	6.346
165 Naphthalene	+++++	+++++	2.57361	3.03888	3.14450	3.06743		
	1.69291	+++++					2.70346	22.481
166 1,2,3-Trichlorobenzene	+++++	+++++	0.83081	+++++	1.04576	+++++		
	1.08304	+++++					0.98654	13.801
167 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
192 Cyclopentene	+++++	+++++	2.78953	+++++	4.17550	+++++		
	3.86686	+++++					3.61063	20.153
$ 84 1,2-Dichloroethane-d4	+++++	1.40375	1.44058	1.44597	1.38908	1.53501		
	1.57317	1.68718					1.49639	7.195
$ 107 Toluene-d8	+++++	0.84718	0.87004	0.89425	0.89966	0.87285		
	0.90672	0.88771					0.88263	2.332
$ 138 Bromofluorobenzene	+++++	0.56787	0.55601	0.59299	0.58759	0.57170		
	0.59244	0.61468					0.58333	3.355

Calibration History

Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Start Cal Date: 12-NOV-2007 13:22
End Cal Date : 19-NOV-2007 13:24

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
12-NOV-2007 13:22	AFCEElow	/chem/msd5.i/5-12nov.b/5111207.d
Cal Level: 2 , Cal Amount: 0.50000		
13-NOV-2007 10:41	AT04Low+ENSR	/chem/msd5.i/5-12nov.b/5111232.d
Cal Level: 3 , Cal Amount: 2.00000		
19-NOV-2007 12:24	sp19b	/chem/msd5.i/5-19nov.b/5111911.d
19-NOV-2007 01:56	sp21b	/chem/msd5.i/5-19nov.b/5111902.d
12-NOV-2007 19:20	sp20a	/chem/msd5.i/5-12nov.b/5111216.d
12-NOV-2007 14:17	AT04MDL+ENSR	/chem/msd5.i/5-12nov.b/5111209.d
Cal Level: 4 , Cal Amount: 25.00000		
12-NOV-2007 14:45	AT04MDL+ENSR	/chem/msd5.i/5-12nov.b/5111210.d
Cal Level: 5 , Cal Amount: 50.00000		
19-NOV-2007 12:52	sp19b	/chem/msd5.i/5-19nov.b/5111912.d
19-NOV-2007 02:24	sp21b	/chem/msd5.i/5-19nov.b/5111903.d
12-NOV-2007 19:48	sp20a	/chem/msd5.i/5-12nov.b/5111217.d
12-NOV-2007 15:12	AT04MDL+ENSR	/chem/msd5.i/5-12nov.b/5111211.d
Cal Level: 6 , Cal Amount: 100.00000		
12-NOV-2007 15:41	AT04MDL+ENSR	/chem/msd5.i/5-12nov.b/5111212.d

Cal Level: 7 , Cal Amount: 200.00000
19-NOV-2007 13:24 | sp19b | /chem/msd5.i/5-19nov.b/5111913.d
19-NOV-2007 02:57 | sp21b | /chem/msd5.i/5-19nov.b/5111904.d
12-NOV-2007 20:20 | sp20a | /chem/msd5.i/5-12nov.b/5111218.d
12-NOV-2007 16:13 | AT04MDL+ENSR | /chem/msd5.i/5-12nov.b/5111213.d

Cal Level: 8 , Cal Amount: 250.00000
13-NOV-2007 12:52 | Level8 | /chem/msd5.i/5-13nov.b/5111303.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000
19-NOV-2007 05:02 | AT04ENSR | /chem/msd5.i/5-19nov.b/5111906.d

Ccal Level: 5 , Ccal Amount: 50.000
19-NOV-2007 12:52 | sp19bCCV | /chem/msd5.i/5-19nov.b/5111912a.d

Ccal Level: 5 , Ccal Amount: 50.000
19-NOV-2007 12:52 | sp19b | /chem/msd5.i/5-19nov.b/5111912.d

Ccal Level: 5 , Ccal Amount: 50.000
19-NOV-2007 02:24 | sp21bCCV | /chem/msd5.i/5-19nov.b/5111903a.d

Ccal Level: 5 , Ccal Amount: 50.000
19-NOV-2007 02:24 | sp21b | /chem/msd5.i/5-19nov.b/5111903.d

@ Air Toxics Ltd.

MSD-5

Logbook #: 1586

0082

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	26.19
75	30.0 – 60.0% of mass 95	42.68
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.38
173	Less than 2.0% of mass 174	(0.85)[1]
174	Greater than 50.0% of mass 95	70.79
175	5.0 – 9.0% of mass 174	(7.30)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.59)[1]
177	5.0 – 9.0% of mass 176	(6.30)[2]

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

Verify 176/174 m/z Ratio: 681408 / 705472 x 100 = 96.59%

BFB Injection Date: 11/12/07
BFB Injection Time: 1201
BFB File ID: 5111205
Tekmar Purge Flow: 12.5 mL/min
Vacuum: 5.58 x 10^{-5} torr

IS/S Std.#:	1487-407	Exp. Date: 01/24/08
BCM	355243	
1,4-DFB	13016915	
CB-d5	1023463	

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

NOAH Cart #: 8 **File #:** F111209 (11-13-07 CT)

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(\ 493461\ )}{(\ 355243\ )} \times \frac{(\ 25\ )}{(\ 1.49639\ )}$ = 23.207

Reported Result 23.207

File ID:	5111205
Compound:	1,2-DCA-d4
Initials:	CT

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5111205	BFB Tune Check	1476-65	50 psig	2uL	1.00	11/12/07	1201	CB	Single scan 102 Apex +1
2	✓	06	System Blank	13673	Humid	200mL			1254	CB	
3	✓	07	ICAL Level 1	1576-89	200 ppbv - 0.2 ppbv	0.2mL			1322	CB	TIC & N12a
4	✓	08	2		200 ppbv - 0.5 ppbv	0.5mL			1349	CB	
5	✓	09	3		200 ppbv - 2 ppbv	2mL			1417	CB	
6	✓	10	4		200 ppbv - 25 ppbv	25mL			1445	CB	
7	✓	11	5		200 ppbv - 50 ppbv	50mL			1512	CB	CCV
8	✓	12	6		200 ppbv - 100 ppbv	100mL			1541	CB	
9	✓	13	7		200 ppbv	200mL			1613	MS	
10	✓	14	System Blank	12942	Humid	200mL			1758	MS	

11-13-07 CT

0083

11	✓	5111215	ICAL Level 3	1576-89	20 ppbv	2.0 mL	1.00	11/12/07	~~1758~~ 1858	KS 11/12/07	Not Needed
12	✓	5111216	SpICAL Level 3	M87-424	20 ppbv	20 mL			1920	KS	Sp20a
13	✓	17	↓ ↓ 5	↓	50 ppbv	50 mL			1948		CCVsp
14	✓	18	↓ ↓ 7	↓	200 ppbv	200 mL			2020	↓	
15	X	19	ICAL LCS	1576-113	50 ppbv	50 mL			2144	KS/CT	Not used
16	X	20	↓	↓	↓	↓			2333	KS/CT	↓
17	X	21	System Blank	12941	Humid	200 mL		11/13/07	0028	KS/CT	
18	X	22	Lab Blank	↓	↓				0113	KS/CT	
19	X	23	07110116A-06A	SC48	6.5 "Hg-15psi		2.58		0228	KS/CT	
20	X	24	-07A	2122	0.2 psi-15psi		1.99		0300	KS/CT	
21	X	25	-08A	34594	5.5 "Hg-15psi 0.0		4.99		0333	KS/CT	
22	X	26	-09A	1742	5.0		2.42		0405	KS/CT	
23	X	27	-10A	17337	5.5		2.47		0437	KS/CT	
24	X	28	-11A	30829	8.5	↓	2.82		0509	CT	
25	X	29	-12A	34628	5.0	100 mL	4.84		0538	CT	
26	X	30	-13A	8C59	6.5 ↓	200 mL	2.58		0610	CT	
27	✓	31	Lab Blank	12941	Humid	200 mL	1.00		1014	CT	
28	✓	32	ICAL Level 2 (200ppbv)	157689	0.5 ppbv	0.5 mL	1.00	↓	1041	CT	
29											
30											
31											
32											

Comments:

Actual 25.0 Nominal 22.6 11-13-07 CT

Flow controller Serial # AA920318

Mist flow meter Serial #200-77446 exp 8-31-08

CTaylor
Signature

11-13-07
Date

@ Air Toxics Ltd.

MSD-5

Logbook #: 1586

0084

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	26.66
75	30.0 – 60.0% of mass 95	45.54
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.59
173	Less than 2.0% of mass 174	(0.41)[1]
174	Greater than 50.0% of mass 95	61.39
175	5.0 – 9.0% of mass 174	(7.52)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.43)[1]
177	5.0 – 9.0% of mass 176	(6.21)[2]

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

Verify 176/174 m/z Ratio: 379392 / 389376 x 100 = 97.43

BFB Injection Date: 11-13-07

BFB Injection Time: 1136

BFB File ID: 5111301

Tekmar Purge Flow: 12.5 mL/min

Vacuum: 6.40 x 10-6

IS/S Std.#:	1482-401	Exp. Date: 01/24/08
BCM	332179	
1,4-DFB	1233793	
CB-d5	987199	

Verified CCV IS vs ICAL mid-point (- 40%D) C.T. *initials*

NOAH Cart #: — **File #:** —

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(\ 471871\ )}{(\ 11\text{-}13\text{-}07\ (4778\ \text{C.T.}\ 332179)\ )} \times \frac{(\ 25\ )}{(\ 1.49639\ )}$ = 23.733

Reported Result 23.733

File ID:	5111305
Compound:	1,2-DCA-d4
Initials:	C.T.

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	↘	5111301	BFB Tune check	1476-65	50ng	2µL	1.00	11-13-07	1136	C.T.	
2	X	02	CCV (200ppbv)	1576-89	50ppbv	50mL			1211	C.T.	
3	↘	03	ICAL Level 8 (1000ppbv) 11-13-07 C.T.	1497-139	250ppbv	50mL			1252	C.T.	TI40N12a
4	↘	04	Lab Blank	12941	Humid	200mL			1324	C.T.	
5	↘	05	CCV-1 (200ppbv)	1576-89	50ppbv	50mL			1351	C.T.	
6	↘	06	LCS-1 (200ppbv)	1576-113	50ppbv	50mL			1419	C.T.	ICAL LCS
7	↘	07	Lab Blank	12941	Humid	200mL	1.00		1530	C.T.	certcert 10 leg 1
8											
9											
10											11-13-07 C.T.

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MSD-5

Logbook #: 1586

0085

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	26.36
75	30.0 – 60.0% of mass 95	47.57
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.69
173	Less than 2.0% of mass 174	(0.76)[1]
174	Greater than 50.0% of mass 95	64.09
175	5.0 – 9.0% of mass 174	(7.32)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.32)[1]
177	5.0 – 9.0% of mass 176	(6.11)[2]

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

Verify 176/174 m/z Ratio: 619498/636565 x 100 = 97.32% ✓

BFB Injection Date: 11/19/07

BFB Injection Time: 0033

BFB File ID: 5111901

Tekmar Purge Flow: 2

Vacuum: 11/19/07 ✓

IS/S Std.#:	1487-401	Exp. Date: 1/24/08
BCM	345866	
1,4-DFB	1304928	
CB-d5	994233	

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

NOAH Cart #: 14/11 **File #:** 5111916/J111911

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1130502\ )}{(\ 1304928\ )} \times \frac{(\ 25.0\ )}{(\ 0.88263\ )} = 24.538$

Reported Result 24.538

File ID: 5111906
Compound: Tol-d8
Initials: ✓

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5111901	BFB Tune Check	1476-65	50psig	2mL	1.00	11/19/07	0033	CB	
2	✓	02	ICAL Sp Level 3	1487-405	200-2.0ppbv	2.0mL			0156	CB	TIC no126
3	✓	03	ICAL Sp Level 5	↓	200-50ppbv	50mL			0224	CB	Sp216 CCVsp
4	✓	04	ICAL Sp Level 7	↓	200ppbv	200mL			0257	CB	
5	✓	05	System Blank	34190	Humid	200mL			0411	✓/CB	
6	✓	06	CCV-1	1576-89	200-50ppbv	50mL			0502	✓/SO	
7	✓	07	LCS-1	1443-302A	100-50ppbv	100mL			0530	✓/SO	
8	X	08	CCV-Sp	1487-404	200-50ppbv	50mL			0605	CB	
9	X	09	Lab Blank	34190	Humid	200mL			0929	CB	Cart Cart 8 Leg 8
10	✓	10	Lab Blank	↓	↓	↓	↓	↓	1051	CB	Cart Cart 14 Leg 4

11	✓	5111911	ICAL level 3	1443-361	200ppbv - 7ppbv	2mL	1.00	11/19/07	1224	CB	T140 n126	
12	✓	12	5		200ppbv - 50ppbv	50mL			1252	CB	sp19bccv CCVsp	
13	✓	13	↓	↓	200ppbv	200mL			1324	CB		
14	✓	14	CCVsp (200ppbv)	1487-404	50ppbv	50mL			1443	CB	sp20accv	
15	✓	15	Lab Blank	34190	Humid	200mL			1555	CB	Cart Cart 5 Leg 1	
16	X	V 16	Lab Blank	|	|	|			1703	SS	Cart Cart 8 Leg 8	
17	✓	5111917	07111074-01A	35146	6.0"Hg-5psi	200mL	1.68		1811	SS		
18	✓	18	02A	↓	↓		1.68		1843	SS		
19	✓	19	02A	11339	4.5"Hg		1.58		1915	SS		
20	✓	20	03A	15286	5.5"Hg		1.64		1947	SS		
21	✓	21	04A	1588	6.0"Hg		1.68		2019	SS		
22	✓	22	05A	4059	5.0"Hg		1.61		2051	SS		
23	X	23	07110944-01A	94902	11.5"Hg-(5psi	150mL	4.37		2122	SS	RR@200mL	
24	✓	24	02A	9368	7.5"Hg	200mL	2.69		2154	SS		
25	✓	25	03A	SC Hg	17.0"Hg	300mL	3.4		2221	SS		
26	✓	26	01A	94902	11.5"Hg-15psi	200mL	3.28	↓	2312	SS	lo	
27	✓	27	07111234-01A	25321	0.2psi-15psi	20mL	13.2	11/20/07	0000	SS	↓	
28	X	28	↓ -02A	TO-1564	0.5"Hg-15psi	200mL	1.36	↓	0033	SS	↓	out of clock
29												
30												
31						11/20/07	1.8					
32												

9800

Comments:

Signature

10/19/07
Date

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-5 on 11/12/2007 and 11/13/2007. As noted on the accompanying analytical run logs, the following point calibration level 2 was re-analyzed due to:

a. unacceptable peak resolution and/or integration of 2-Butanone

The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration:
Cumene, alpha-Chlorotoluene, trans-1,3-Dichloropropene, and Styrene.

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 TO14A/TO15

Data file : /chem/msd5.i/5-13nov.b/5111306.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 13-NOV-2007 14:19
Operator : ct Inst ID: msd5.i
Smp Info : 50mL #1576-113
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd5.i/5-13nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 14:10 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 20:20 Cal File: 5111218.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 (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	329578	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	255291			44.59- 104.59	77.46
8.032	8.059 (1.000)	49	712129			179.89- 239.89	216.07
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1265824	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	211923			0.00- 46.50	16.74
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	985864	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	591551			0.00- 30.00	60.00
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	494884	25.0865	25.086	80.00- 120.00	100.00
9.110	9.110 (1.130)	67	275885			0.00- 30.00	55.75
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1130598	25.2986	25.299	80.00- 120.00	100.00
12.677	12.704 (1.279)	70	113531			0.00- 30.00	10.04

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	729210			0.00- 30.00	64.50
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	573073	24.9127	24.913	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	940083			133.48- 193.48	164.04
16.575	16.575 (1.105)	176	557005			70.11- 130.11	97.20
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	1390096	60.4280	60.428	80.00- 120.00	100.00
2.280	2.280 (0.283)	42	935654			0.00- 30.00	67.31
2.280	2.280 (0.283)	39	946796			0.00- 30.00	68.11
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	2194755	56.3185	56.318	80.00- 120.00	100.00
2.336	2.336 (0.290)	87	706954			0.00- 30.00	32.21
9 Freon 114					CAS #: 76-14-2		
2.446	2.446 (0.304)	135	2054336	57.7626	57.762	80.00- 120.00	100.00
2.446	2.446 (0.304)	137	652867			1.61- 61.61	31.78
10 Chloromethane					CAS #: 74-87-3		
2.585	2.585 (0.321)	50	1613808	55.1495	55.149	80.00- 120.00	100.00
2.585	2.585 (0.321)	52	516287			0.00- 30.00	31.99
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	1597055	56.7023	56.702	80.00- 120.00	100.00
2.778	2.778 (0.345)	64	502731			0.00- 30.00	31.48
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	1419547	59.0142	59.014	80.00- 120.00	100.00
2.750	2.750 (0.341)	39	1537627			0.00- 30.00	108.32
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	1074167	59.0738	59.074	80.00- 120.00	100.00
3.276	3.276 (0.406)	96	994884			64.51- 124.51	92.62
19 Chloroethane					CAS #: 75-00-3		
3.386	3.386 (0.420)	64	789236	55.0880	55.088	80.00- 120.00	100.00
3.386	3.386 (0.420)	49	223113			0.00- 30.00	28.27
3.386	3.386 (0.420)	66	232780			0.00- 30.00	29.49
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	2404031	56.5807	56.581	80.00- 120.00	100.00
3.718	3.718 (0.461)	103	1562591			35.79- 95.79	65.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.078	4.078 (0.506)	45	617839	66.9348	66.935	80.00- 120.00	100.00
4.078	4.078 (0.506)	43	114972			0.00- 30.00	18.61
4.078	4.078 (0.506)	46	261005			0.00- 30.00	42.24
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	1654470	62.6241	62.624	80.00- 120.00	100.00
4.520	4.520 (0.561)	153	1049272			32.44- 92.44	63.42
4.520	4.520 (0.561)	101	2296302			106.77- 166.77	138.79
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.548 (0.568)	61	2222648	63.5687	63.569	80.00- 120.00	100.00
4.575	4.548 (0.568)	96	1252491			25.42- 85.42	56.35
4.575	4.548 (0.568)	98	803129			5.54- 65.54	36.13
32 Acetone					CAS #: 67-64-1		
4.714	4.714 (0.585)	58	757570	57.9269	57.927	80.00- 120.00	100.00
4.714	4.714 (0.585)	43	2299307			0.00- 30.00	303.51
36 2-Propanol					CAS #: 67-63-0		
4.907	4.907 (0.609)	45	2726787	58.5876	58.588	80.00- 120.00	100.00
4.907	4.907 (0.609)	43	578881			0.00- 30.00	21.23
4.907	4.907 (0.609)	59	104526			0.00- 30.00	3.83
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	3464610	58.5126	58.513	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.184 (0.643)	76	568549	57.6695	57.670	80.00- 120.00	100.00
5.184	5.184 (0.643)	41	2168064			0.00- 30.00	381.33
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	1841524	61.5949	61.595	80.00- 120.00	100.00
5.432	5.432 (0.674)	84	1049480			26.07- 86.07	56.99
5.432	5.432 (0.674)	51	562086			0.00- 30.00	30.52
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	1236681	54.9495	54.949	80.00- 120.00	100.00
5.764	5.764 (0.715)	57	394002			2.42- 62.42	31.86
5.764	5.764 (0.715)	41	414743			0.00- 30.00	33.54
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.820	5.820 (0.722)	96	1255521	59.2914	59.291	80.00- 120.00	100.00
5.820	5.820 (0.722)	61	2028708			128.85- 188.85	161.58
5.820	5.820 (0.722)	98	786800			0.00- 30.00	62.67

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	2564369	59.5522	59.552	80.00- 120.00	100.00
6.151	6.151 (0.763)	43	1789596			0.00- 30.00	69.79
6.151	6.151 (0.763)	86	368027			0.00- 30.00	14.35
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	2312589	60.3159	60.316	80.00- 120.00	100.00
6.594	6.594 (0.818)	65	689212			0.00- 59.87	29.80
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	544183	58.8106	58.810	80.00- 120.00	100.00
7.644	7.672 (0.949)	43	3022181			561.22- 621.22	555.36
7.644	7.672 (0.949)	57	217616			0.00- 30.00	39.99
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	1682856	58.4566	58.456	80.00- 120.00	100.00
7.617	7.617 (0.945)	96	1133257			38.38- 98.38	67.34
7.617	7.617 (0.945)	98	720000			14.09- 74.09	42.78
70 Tetrahydrofuran					CAS #: 109-99-9		
8.032	8.031 (0.997)	42	1849537	53.6838	53.684	80.00- 120.00	100.00
8.032	8.031 (0.997)	71	479708			0.00- 55.17	25.94
8.032	8.031 (0.997)	72	529224			0.00- 30.00	28.61
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1933667	59.5243	59.524	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1237413			34.62- 94.62	63.99
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.419	8.419 (1.045)	97	1910343	58.8323	58.832	80.00- 120.00	100.00
8.419	8.419 (1.045)	99	1227419			33.24- 93.24	64.25
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	1515378	57.9311	57.931	80.00- 120.00	100.00
8.391	8.419 (1.041)	56	2394553			126.47- 186.47	158.02
8.391	8.419 (1.041)	41	1346348			58.16- 118.16	88.85
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.649 (0.825)	86	284978	58.6702	58.670	80.00- 120.00	100.00
6.649	6.649 (0.825)	43	3788471			0.00- 30.00	1329.39
6.649	6.649 (0.825)	42	277519			0.00- 30.00	97.38
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1606399	59.9179	59.918	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1673357			74.63- 134.63	104.17

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	6983920	59.1478	59.148	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	2282176			0.00- 30.00	32.68
9.110	9.110 (1.130)	41	1794142			0.00- 30.00	25.69
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	3120968	57.2023	57.202	80.00- 120.00	100.00
9.082	9.082 (0.916)	77	720584			0.00- 30.00	23.09
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	1483218	59.3403	59.340	80.00- 120.00	100.00
9.276	9.276 (0.936)	64	462703			0.00- 30.00	31.20
90 Heptane					CAS #: 142-82-5		
9.497	9.469 (0.958)	100	360524	59.1602	59.160	80.00- 120.00	100.00
9.469	9.469 (0.955)	43	2886916			0.00- 30.00	800.76
9.469	9.469 (0.955)	71	1119378			0.00- 30.00	310.49
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	1219788	55.1199	55.120	80.00- 120.00	100.00
10.326	10.326 (1.042)	130	1163570			63.34- 123.34	95.39
10.326	10.326 (1.042)	97	789093			34.39- 94.39	64.69
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.824	10.824 (1.092)	63	1198025	55.8359	55.836	80.00- 120.00	100.00
10.824	10.824 (1.092)	62	834206			40.55- 100.55	69.63
10.824	10.824 (1.092)	41	818464			41.13- 101.13	68.32
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	665226	53.3833	53.383	80.00- 120.00	100.00
11.045	11.073 (1.114)	58	640313			62.89- 122.89	96.25
11.045	11.073 (1.114)	57	203792			0.00- 30.00	30.64
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1786670	57.7457	57.746	80.00- 120.00	100.00
11.405	11.405 (1.151)	85	1146088			33.46- 93.46	64.15
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1277421	58.2532	58.253	80.00- 120.00	100.00
12.317	12.317 (1.243)	77	409273			2.37- 62.37	32.04
12.290	12.317 (1.240)	39	946560			44.56- 104.56	74.10
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	1081560	60.5091	60.509	80.00- 120.00	100.00
12.594	12.594 (1.271)	43	3066032			0.00- 30.00	283.48
12.594	12.594 (1.271)	85	360057			0.00- 30.00	33.29

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	3221255	57.2310	57.231	80.00- 120.00	100.00
12.815	12.815 (1.293)	92	1904763			30.01- 90.01	59.13
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1274370	61.1838	61.184	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	409356			1.79- 61.79	32.12
13.340	13.368 (0.889)	39	886762			40.58- 100.58	69.58
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	1067431	57.4509	57.451	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	656158			32.34- 92.34	61.47
13.644	13.644 (0.910)	83	866152			52.84- 112.84	81.14
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	1235329	57.2010	57.201	80.00- 120.00	100.00
13.672	13.700 (0.912)	129	970748			50.58- 110.58	78.58
13.672	13.700 (0.912)	131	954865			48.33- 108.33	77.30
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	1433868	55.3223	55.322	80.00- 120.00	100.00
14.004	14.004 (0.934)	43	2914899			176.65- 236.65	203.29
14.031	14.004 (0.935)	100	208571			0.00- 30.00	14.55
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1549883	59.6173	59.617	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1203853			0.00- 30.00	77.67
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1517022	55.7017	55.702	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1435652			64.70- 124.70	94.64
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	2351199	55.4220	55.422	80.00- 120.00	100.00
15.027	15.027 (1.002)	114	749667			1.03- 61.03	31.88
15.027	15.027 (1.002)	77	1452071			31.90- 91.90	61.76
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1300388	56.7372	56.737	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	4332438			0.00- 30.00	333.17
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1634742	58.0715	58.071	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	3490965			0.00- 30.00	213.55
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1551490	57.9579	57.958	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	3470165			198.40- 258.40	223.67
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	2405394	60.9453	60.945	80.00- 120.00	100.00
15.912	15.912 (1.061)	78	1281079			22.91- 82.91	53.26
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1372663	59.2484	59.248	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	717398			21.91- 81.91	52.26
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	2257364	55.9161	55.916	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1428065			34.08- 94.08	63.26
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	4826213	61.1039	61.104	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1403150			0.00- 59.53	29.07
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	4304136	60.2885	60.288	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	2019971			0.00- 30.00	46.93
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3520245	58.1256	58.126	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1622961			16.07- 76.07	46.10
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2295165	53.5312	53.531	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1480562			0.00- 30.00	64.51
17.764	17.764 (1.184)	111	941672			0.00- 30.00	41.03
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	2801549	55.7527	55.753	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1748952			0.00- 30.00	62.43
17.847	17.847 (1.190)	111	1187423			0.00- 30.00	42.38
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	4403553	69.5954	69.595	80.00- 120.00	100.00(R)
17.985	17.985 (1.199)	126	864941			0.00- 30.00	19.64
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.207	18.206 (1.214)	146	2361508	52.3671	52.367	80.00- 120.00	100.00
18.207	18.206 (1.214)	148	1497823			34.60- 94.60	63.43
18.207	18.206 (1.214)	111	963711			10.93- 70.93	40.81

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1572894	49.1385	49.138	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1493992			63.79- 123.79	94.98
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1120526	49.8270	49.827	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	722204			29.99- 89.99	64.45
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	5736153	61.7056	61.706	80.00- 120.00	100.00
16.824	16.824 (1.122)	120	1198962			0.00- 30.00	20.90
16.824	16.824 (1.122)	105	195355			0.00- 30.00	3.41
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	4762001	58.6699	58.670	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1255353			0.00- 30.00	26.36
16.326	16.326 (1.088)	51	683771			0.00- 30.00	14.36
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	5933474	55.6559	55.656	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	733755			0.00- 30.00	12.37
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	2280331	55.8901	55.890	80.00- 120.00	100.00
3.414	3.414 (0.424)	57	1478618			0.00- 30.00	64.84
3.414	3.414 (0.424)	72	138916			0.00- 30.00	6.09
11 Butane					CAS #: 106-97-8		
2.668	2.667 (0.331)	58	395221	56.8161	56.816	80.00- 120.00	100.00
2.668	2.667 (0.331)	43	2997680			0.00- 30.00	758.48
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.548	10.548 (1.064)	83	1837040	58.2953	58.295	80.00- 120.00	100.00
10.548	10.548 (1.064)	98	917043			0.00- 30.00	49.92
10.548	10.548 (1.064)	55	2039352			0.00- 30.00	111.01

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111306.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-13nov.b/t14qn12a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 13-NOV-2007
Calibration Time: 13:51
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	332179	199307	465051	329578	-0.78
92 1,4-Difluorobenze	1233793	740276	1727310	1265824	2.60
125 Chlorobenzene-d5	987199	592319	1382079	985864	-0.14

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 13-Nov-2007 14:27

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-13nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: ct
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd5.i/5-13nov.b/t14qn12a.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8 Dichlorodifluorome	50.000	56.318	112.64	70-130
9 Freon 114	50.000	57.762	115.53	70-130
10 Chloromethane	50.000	55.149	110.30	70-130
13 Vinyl Chloride	50.000	56.702	113.40	70-130
12 1,3-Butadiene	50.000	59.014	118.03	60-140
15 Bromomethane	50.000	59.074	118.15	70-130
19 Chloroethane	50.000	55.088	110.18	70-130
20 Trichlorofluoromet	50.000	56.581	113.16	70-130
26 Ethanol	50.000	66.935	133.87	60-140
30 Freon 113	50.000	62.624	125.25	70-130
31 1,1-Dichloroethene	50.000	63.569	127.14	70-130
35 Carbon Disulfide	50.000	58.513	117.03	60-140
32 Acetone	50.000	57.927	115.85	60-140
36 2-Propanol	50.000	58.588	117.18	60-140
38 3-Chloropropene	50.000	57.670	115.34	60-140
43 Methylene Chloride	50.000	61.595	123.19	70-130
46 MTBE	50.000	54.949	109.90	60-140
47 trans-1,2-Dichloro	50.000	59.291	118.58	60-140
51 Hexane	50.000	59.552	119.10	60-140
55 1,1-Dichloroethane	50.000	60.316	120.63	70-130
66 cis-1,2-Dichloroet	50.000	58.456	116.91	70-130
67 2-Butanone	50.000	58.810	117.62	60-140
70 Tetrahydrofuran	50.000	53.684	107.37	60-140
72 Chloroform	50.000	59.524	119.05	70-130
74 Cyclohexane	50.000	57.931	115.86	60-140
75 1,1,1-Trichloroeth	50.000	58.832	117.66	70-130
56 Vinyl Acetate	50.000	58.670	117.34	60-140
77 Carbon Tetrachlori	50.000	59.918	119.84	70-130
80 2,2,4-Trimethylpen	50.000	59.148	118.30	60-140
81 Benzene	50.000	57.202	114.40	70-130
85 1,2-Dichloroethane	50.000	59.340	118.68	70-130
90 Heptane	50.000	59.160	118.32	60-140
93 Trichloroethene	50.000	55.120	110.24	70-130

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98	1,2-Dichloropropan	50.000	55.836	111.67	70-130
99	1,4-Dioxane	50.000	53.383	106.77	60-140
100	Bromodichlorometha	50.000	57.746	115.49	60-140
103	cis-1,3-Dichloropr	50.000	58.253	116.51	70-130
106	4-Methyl-2-pentano	50.000	60.509	121.02	60-140
108	Toluene	50.000	57.231	114.46	70-130
113	trans-1,3-Dichloro	50.000	61.184	122.37	70-130
114	1,1,2-Trichloroeth	50.000	57.451	114.90	70-130
116	Tetrachloroethene	50.000	57.201	114.40	70-130
119	2-Hexanone	50.000	55.322	110.64	60-140
120	Dibromochlorometha	50.000	59.617	119.23	60-140
122	1,2-Dibromoethane	50.000	55.702	111.40	70-130
126	Chlorobenzene	50.000	55.422	110.84	70-130
128	Ethyl Benzene	50.000	56.737	113.47	70-130
130	m,p-Xylene	50.000	58.071	116.14	70-130
132	o-Xylene	50.000	57.958	115.92	70-130
133	Styrene	50.000	60.945	121.89	70-130
134	Bromoform	50.000	59.248	118.50	60-140
136	Cumene	50.000	58.670	117.34	60-140
141	1,1,2,2-Tetrachlor	50.000	55.916	111.83	70-130
142	Propylbenzene	50.000	61.706	123.41	60-140
144	4-Ethyltoluene	50.000	61.104	122.21	60-140
147	1,3,5-Trimethylben	50.000	60.288	120.58	70-130
152	1,2,4-Trimethylben	50.000	58.126	116.25	70-130
155	1,3-Dichlorobenzen	50.000	53.531	107.06	70-130
156	1,4-Dichlorobenzen	50.000	55.753	111.51	70-130
157	alpha-Chlorotoluen	50.000	69.595	139.19*	70-130
159	1,2-Dichlorobenzen	50.000	52.367	104.73	70-130
163	1,2,4-Trichloroben	50.000	49.138	98.28	70-130
164	Hexachlorobutadien	50.000	49.827	99.65	70-130
6	Propylene	50.000	60.428	120.86	70-130
165	Naphthalene	50.000	55.656	111.31	60-140
11	Butane	50.000	56.816	113.63	70-130
17	Isopentane	50.000	55.890	111.78	70-130
94	Methyl Cyclohexane	50.000	58.295	116.59	70-130

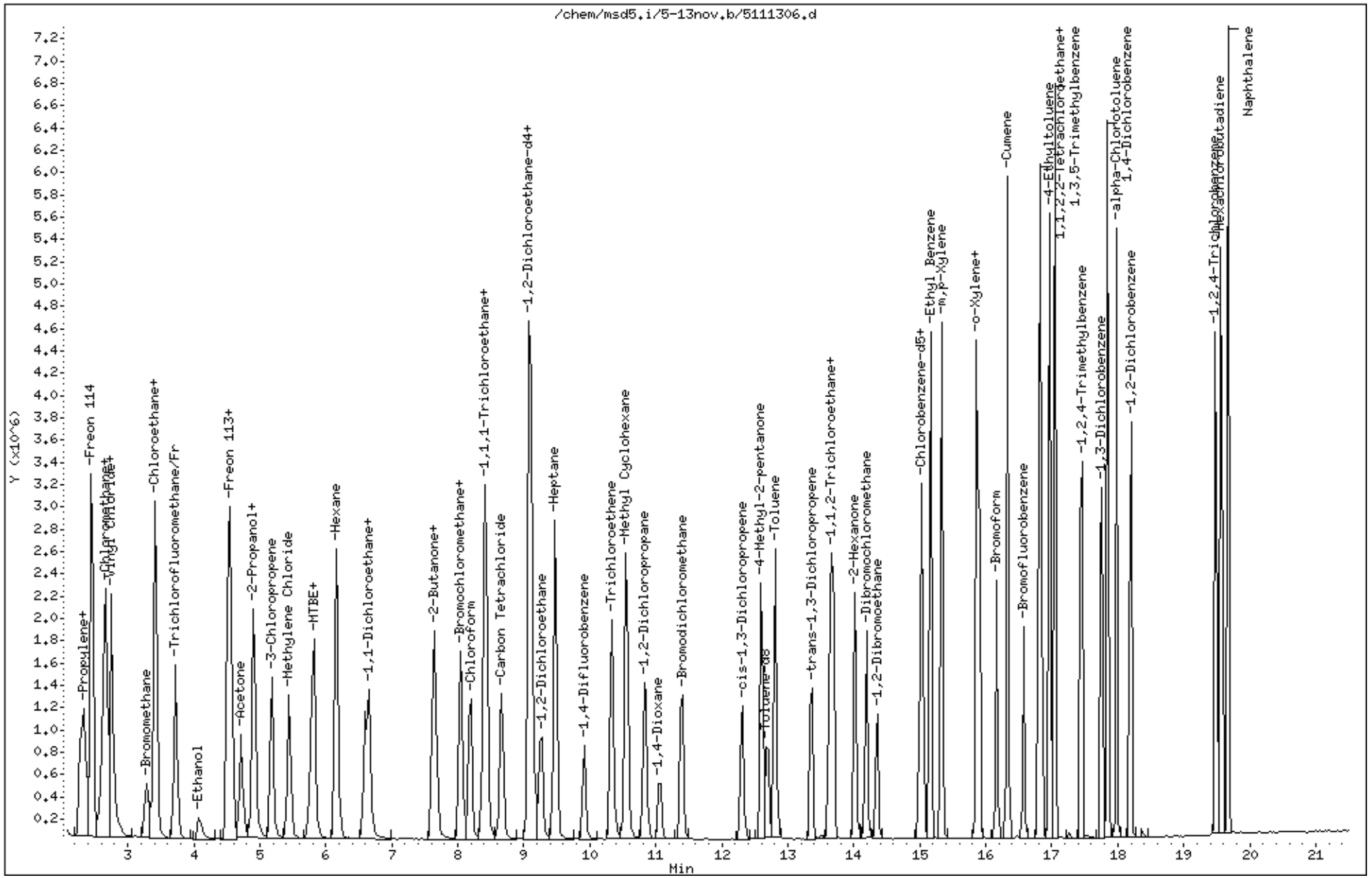
	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84	1,2-Dichloroethane	25.000	25.086	100.35	70-130
$ 107	Toluene-d8	25.000	25.299	101.19	70-130
$ 138	Bromofluorobenzene	25.000	24.913	99.65	70-130

0100

Data File: /chem/msd5.i/5-13nov.b/5111306.d
Date : 13-NOV-2007 14:19
Client ID: LCS-1
Sample Info: 50mL #1576-113

Instrument: msd5.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111207.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 12-NOV-2007 13:22
Operator : cb Inst ID: msd5.i
Smp Info : 0.2mL #1576-89
Misc Info : 200ppbv -> 0.2ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 13:22 Cal File: 5111207.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	324865	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	255197			42.76- 102.76	78.55
8.031	8.031 (1.000)	49	723656			173.18- 233.18	222.76
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1268973	25.0000		70.00- 130.00	100.00
9.911	9.911 (1.000)	88	206541			0.00- 46.42	16.28
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	967469	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	578503			0.00- 30.00	59.80
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	466593	25.0000	23.996	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	236655			0.00- 30.00	50.72
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1063579	25.0000	23.740	70.00- 130.00	100.00
12.676	12.676 (1.279)	70	108141			0.00- 30.00	10.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	693173			0.00- 30.00	65.17
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	542906	25.0000	24.050	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	853089			128.71- 188.71	157.13
16.575	16.575 (1.105)	176	514238			68.26- 128.26	94.72
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	10780	0.20000	0.3366	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	7440			35.19- 95.19	69.02
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	19738	0.20000	0.3609	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	5003			0.00- 30.00	25.35
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	7880	0.20000	0.2034	70.00- 130.00	100.00
15.911	15.911 (1.061)	78	5297			22.39- 82.39	67.22
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	21376	0.20000	0.2684	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	5275			0.00- 30.00	24.68
16.326	16.326 (1.088)	51	3186			0.00- 30.00	14.90
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	12415	0.20000	0.1999	70.00- 130.00	100.00(a)
17.985	17.985 (1.199)	126	2022			0.00- 30.00	16.29
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.621	12.621 (1.273)	58	4383	0.20000	0.2446	70.00- 130.00	100.00(a)
12.593	12.593 (1.271)	43	10942			0.00- 30.00	249.65
12.621	12.621 (1.273)	85	1921			0.00- 30.00	43.83

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: msd5.i
Lab File ID: 5111207.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 0.2ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	324865	-8.55
92 1,4-Difluorobenze	1306915	784149	1829681	1268973	-2.90
125 Chlorobenzene-d5	1023463	614078	1432848	967469	-5.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

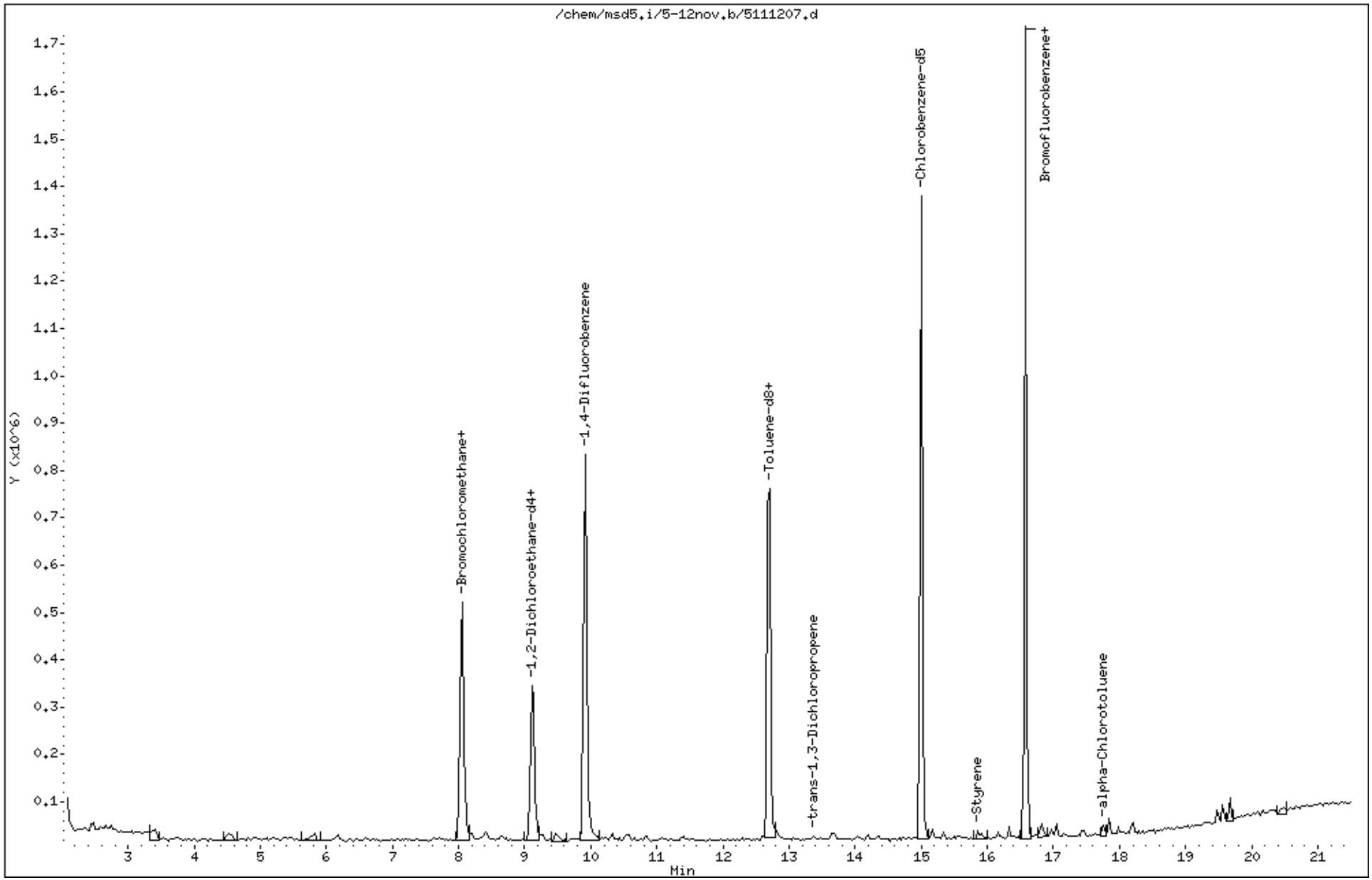
0104

Data File: /chem/msd5.i/5-12nov.b/5111207.d
Date : 12-NOV-2007 13:22
Client ID: Level 1
Sample Info: 0.2mL #1576-89

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111232.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 13-NOV-2007 10:41
Operator : ct Inst ID: msd5.i
Smp Info : 0.5mL #1576-89
Misc Info : 0.5ppbv (200ppbv)
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 13-NOV-2007 10:41 Cal File: 5111232.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	301055	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	241588			42.76- 102.76	80.25
8.059	8.059 (1.000)	49	676243			173.18- 233.18	224.62
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1093486	25.0000		70.00- 130.00	100.00
9.911	9.911 (1.000)	88	186745			0.00- 46.42	17.08
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	848011	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	511706			0.00- 30.00	60.34
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	422605	25.0000	23.452	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	209734			0.00- 30.00	49.63
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	926376	25.0000	23.996	70.00- 130.00	100.00
12.676	12.676 (1.279)	70	99400			0.00- 30.00	10.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	600305			0.00- 30.00	64.80
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	481562	25.0000	24.338	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	749901			128.71- 188.71	155.72
16.575	16.575 (1.105)	176	460138			68.26- 128.26	95.55
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	12903	0.50000	0.3625	70.00- 130.00	100.00(a)
2.308	2.308 (0.286)	87	4793			0.00- 30.00	37.15
9 Freon 114					CAS #: 76-14-2		
2.446	2.446 (0.304)	135	14184	0.50000	0.4366	70.00- 130.00	100.00(a)
2.446	2.446 (0.304)	137	5692			2.29- 62.29	40.13
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	11685	0.50000	0.4542	70.00- 130.00	100.00(a)
2.750	2.750 (0.341)	64	3659			0.00- 30.00	31.31
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	8235	0.50000	0.3748	70.00- 130.00	100.00(a)
2.750	2.750 (0.341)	39	10174			0.00- 30.00	123.55
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	7098	0.50000	0.4273	70.00- 130.00	100.00(a)
3.276	3.276 (0.406)	96	6564			65.07- 125.07	92.48
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	6821	0.50000	0.5212	70.00- 130.00	100.00
3.386	3.386 (0.420)	49	1821			0.00- 30.00	26.70
3.414	3.414 (0.424)	66	2050			0.00- 30.00	30.05
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	17314	0.50000	0.4461	70.00- 130.00	100.00(a)
3.718	3.718 (0.461)	103	10722			34.56- 94.56	61.93
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	11540	0.50000	0.4782	70.00- 130.00	100.00(a)
4.520	4.520 (0.561)	153	5960			33.43- 93.43	51.65
4.520	4.520 (0.561)	101	14065			108.48- 168.48	121.88
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.547	4.547 (0.564)	61	13348	0.50000	0.4179	70.00- 130.00	100.00(a)
4.547	4.547 (0.564)	96	6903			27.13- 87.13	51.72
4.575	4.575 (0.568)	98	6347			5.60- 65.60	47.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	20015	0.50000	0.3700	70.00- 130.00	100.00(a)
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	13185	0.50000	0.4828	70.00- 130.00	100.00(a)
5.432	5.432 (0.674)	84	7588			29.81- 89.81	57.55
5.432	5.432 (0.674)	51	5074			0.00- 30.00	38.48
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	13666	0.50000	0.6648	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	4935			1.68- 61.68	36.11
5.764	5.764 (0.715)	41	6421			0.00- 30.00	46.99
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	6986	0.50000	0.3612	70.00- 130.00	100.00(a)
5.819	5.819 (0.722)	61	14051			133.65- 193.65	201.13
5.819	5.819 (0.722)	98	5355			0.00- 30.00	76.65
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	14853	0.50000	0.3776	70.00- 130.00	100.00(a)
6.151	6.151 (0.763)	43	13512			0.00- 30.00	90.97
6.179	6.179 (0.767)	86	3050			0.00- 30.00	20.53
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	12666	0.50000	0.3616	70.00- 130.00	100.00(a)
6.594	6.594 (0.818)	65	5023			0.52- 60.52	39.66
67 2-Butanone					CAS #: 78-93-3		
7.700	7.700 (0.955)	72	3857	0.50000	0.4563	70.00- 130.00	100.00(a)
7.700	7.700 (0.955)	43	13510			536.33- 596.33	350.27
7.700	7.700 (0.955)	57	1285			0.00- 30.00	33.32
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	10821	0.50000	0.4115	70.00- 130.00	100.00(a)
7.617	7.617 (0.945)	96	7971			37.56- 97.56	73.66
7.617	7.617 (0.945)	98	4824			14.52- 74.52	44.58
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	17438	0.50000	0.5541	70.00- 130.00	100.00
8.087	8.087 (1.003)	71	4573			0.00- 55.74	26.22
8.059	8.059 (1.000)	72	6854			0.00- 30.00	39.30
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	11181	0.50000	0.3768	70.00- 130.00	100.00(a)
8.197	8.197 (1.017)	85	6949			35.19- 95.19	62.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.418	8.418 (1.045)	97	12913	0.50000	0.4354	70.00- 130.00	100.00(a)
8.446	8.446 (1.048)	99	6490			33.02- 93.02	50.26
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	8955	0.50000	0.3748	70.00- 130.00	100.00(a)
8.391	8.391 (1.041)	56	15410			126.11- 186.11	172.08
8.391	8.391 (1.041)	41	11390			55.82- 115.82	127.19
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	8396	0.50000	0.3428	70.00- 130.00	100.00(a)
8.667	8.667 (1.075)	117	10748			75.98- 135.98	128.01
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.082	9.082 (1.127)	57	38941	0.50000	0.3610	70.00- 130.00	100.00(a)
9.082	9.082 (1.127)	56	14187			0.00- 30.00	36.43
9.082	9.082 (1.127)	41	12183			0.00- 30.00	31.29
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	18964	0.50000	0.4024	70.00- 130.00	100.00(a)
9.082	9.082 (0.916)	77	4842			0.00- 30.00	25.53
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	8877	0.50000	0.4111	70.00- 130.00	100.00(a)
9.276	9.276 (0.936)	64	2677			0.00- 30.00	30.16
90 Heptane					CAS #: 142-82-5		
9.469	9.469 (0.955)	100	1775	0.50000	0.3372	70.00- 130.00	100.00(a)
9.469	9.469 (0.955)	43	15642			0.00- 30.00	881.24
9.469	9.469 (0.955)	71	5645			0.00- 30.00	318.03
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	9325	0.50000	0.4878	70.00- 130.00	100.00(a)
10.326	10.326 (1.042)	130	7696			64.49- 124.49	82.53
10.354	10.354 (1.045)	97	5987			34.72- 94.72	64.20
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.824	10.824 (1.092)	63	8470	0.50000	0.4570	70.00- 130.00	100.00(a)
10.852	10.852 (1.095)	62	5511			39.05- 99.05	65.06
10.852	10.852 (1.095)	41	5947			36.65- 96.65	70.21
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	10836	0.50000	0.4054	70.00- 130.00	100.00(a)
11.405	11.405 (1.151)	85	7777			34.72- 94.72	71.77
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	6503	0.50000	0.3433	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 cis-1,3-Dichloropropene (continued)							
12.317	12.317 (1.243)	77	1501			0.28- 60.28	23.08
12.317	12.317 (1.243)	39	6582			43.30- 103.30	101.21
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.593 (1.271)	58	3651	0.50000	0.2364	70.00- 130.00	100.00(a)
12.593	12.593 (1.271)	43	14600			0.00- 30.00	399.89
12.593	12.593 (1.271)	85	1498			0.00- 30.00	41.03
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	23962	0.50000	0.4928	70.00- 130.00	100.00(a)
12.815	12.815 (1.293)	92	10275			29.65- 89.65	42.88
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	3103	0.50000	0.1732	70.00- 130.00	100.00(a)
13.340	13.340 (0.889)	77	2407			1.96- 61.96	77.57
13.368	13.368 (0.891)	39	3144			38.82- 98.82	101.32
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	6718	0.50000	0.4204	70.00- 130.00	100.00(a)
13.644	13.644 (0.910)	99	4190			33.63- 93.63	62.37
13.644	13.644 (0.910)	83	6314			55.73- 115.73	93.99
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	7651	0.50000	0.4119	70.00- 130.00	100.00(a)
13.672	13.672 (0.912)	129	7468			50.24- 110.24	97.61
13.699	13.699 (0.913)	131	6779			48.42- 108.42	88.60
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	8233	0.50000	0.3682	70.00- 130.00	100.00(a)
14.197	14.197 (0.947)	127	6244			0.00- 30.00	75.84
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	8908	0.50000	0.3802	70.00- 130.00	100.00(a)
14.363	14.363 (0.958)	109	9791			63.74- 123.74	109.91
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	15065	0.50000	0.4128	70.00- 130.00	100.00(a)
15.054	15.054 (1.004)	114	4670			1.82- 61.82	31.00
14.999	14.999 (1.000)	77	17996			31.79- 91.79	119.46
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	9063	0.50000	0.4597	70.00- 130.00	100.00(a)
15.165	15.165 (1.011)	91	23494			0.00- 30.00	259.23
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	9166	0.50000	0.3785	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
15.331	15.331 (1.022)	91	18014			0.00- 30.00	196.53
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	9567	0.50000	0.4155	70.00- 130.00	100.00(a)
15.856	15.856 (1.057)	91	16804			195.49- 255.49	175.65
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	10002	0.50000	0.2946	70.00- 130.00	100.00(a)
15.911	15.911 (1.061)	78	6410			22.39- 82.39	64.09
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	8207	0.50000	0.4118	70.00- 130.00	100.00(a)
16.160	16.160 (1.077)	171	3326			21.21- 81.21	40.53
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	13004	0.50000	0.3745	70.00- 130.00	100.00(a)
16.796	16.796 (1.120)	85	8980			33.63- 93.63	69.06
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	21447	0.50000	0.3157	70.00- 130.00	100.00(a)
16.962	16.962 (1.131)	120	8273			0.00- 59.46	38.57
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	21353	0.50000	0.3477	70.00- 130.00	100.00(a)
17.045	17.045 (1.136)	120	12086			0.00- 30.00	56.60
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	17059	0.50000	0.3275	70.00- 130.00	100.00(a)
17.460	17.460 (1.164)	120	9403			16.11- 76.11	55.12
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	16921	0.50000	0.4588	70.00- 130.00	100.00(a)
17.764	17.764 (1.184)	148	11100			0.00- 30.00	65.60
17.764	17.764 (1.184)	111	8925			0.00- 30.00	52.75
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	16084	0.50000	0.3721	70.00- 130.00	100.00(a)
17.847	17.847 (1.190)	148	12317			0.00- 30.00	76.58
17.847	17.847 (1.190)	111	6845			0.00- 30.00	42.56
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	13937	0.50000	0.2561	70.00- 130.00	100.00(a)
17.985	17.985 (1.199)	126	2588			0.00- 30.00	18.57
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	17160	0.50000	0.4424	70.00- 130.00	100.00(a)

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
159 1,2-Dichlorobenzene (continued)							
18.206	18.206 (1.214)	148	11130			32.64- 92.64	64.86
18.206	18.206 (1.214)	111	5360			11.53- 71.53	31.24
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	25838	0.50000	0.3231	70.00- 130.00	100.00(a)
16.824	16.824 (1.122)	120	6184			0.00- 30.00	23.93
16.851	16.851 (1.123)	105	1630			0.00- 30.00	6.31
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	23154	0.50000	0.3316	70.00- 130.00	100.00(a)
16.326	16.326 (1.088)	120	7767			0.00- 30.00	33.54
16.326	16.326 (1.088)	51	4373			0.00- 30.00	18.89
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	10704	0.50000	0.3932	70.00- 130.00	100.00(a)
10.547	10.547 (1.064)	98	6673			0.00- 30.00	62.34
10.547	10.547 (1.064)	55	11258			0.00- 30.00	105.18

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: msd5.i
Lab File ID: 5111232.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 0.5ppbv (200ppbv)

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	301055	-15.25
92 1,4-Difluorobenze	1306915	784149	1829681	1093486	-16.33
125 Chlorobenzene-d5	1023463	614078	1432848	848011	-17.14

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

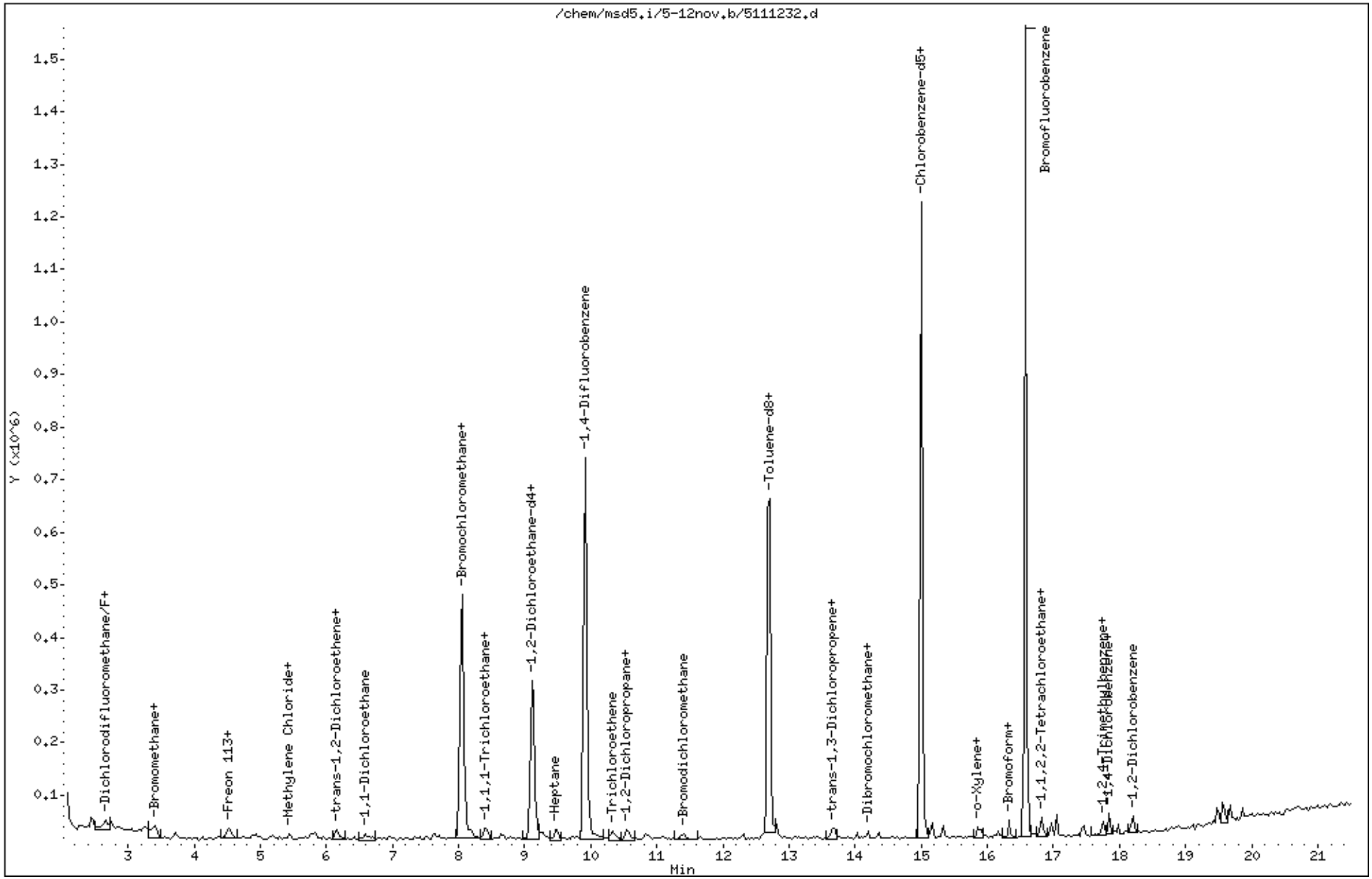
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.i/5-12nov.b/5111232.d
Date : 13-NOV-2007 10:41
Client ID: Level 2
Sample Info: 0.5mL #1576-89

Instrument: msd5.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624

0113



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111911.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 19-NOV-2007 12:24
Operator : cb Inst ID: msd5.i
Smp Info : 2.0mL #1443-361
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:50 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 12:24 Cal File: 5111911.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19b.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	327500	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	266580			48.01- 108.01	81.40
8.059	8.059 (1.000)	49	728733			196.63- 256.63	222.51
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1200460	25.0000		70.00- 130.00	100.00
9.911	9.911 (1.000)	88	195722			0.00- 46.64	16.30
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	947499	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	540659			0.00- 30.00	57.06
7 Isobutane					CAS #: 75-28-5		
2.501	2.501 (0.310)	43	101195	2.00000	2.000	70.00- 130.00	100.00
2.501	2.501 (0.310)	42	30999			0.00- 30.00	30.63
2.501	2.501 (0.310)	58	2357			0.00- 30.00	2.33
18 Pentane					CAS #: 109-66-0		
3.801	3.801 (0.472)	43	89362	2.00000	2.000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
18 Pentane (continued)							
3.801	3.801 (0.472)	57	12621			0.00- 30.00	14.12
3.801	3.801 (0.472)	72	7415			0.00- 30.00	8.30
25 Acrolein					CAS #: 107-02-8		
4.520	4.520 (0.561)	55	8995	2.00000	2.000	70.00- 130.00	100.00
4.520	4.520 (0.561)	56	13089			0.00- 30.00	145.51
39 Acrylonitrile					CAS #: 107-13-1		
5.958	5.958 (0.739)	53	31318	2.00000	2.000	70.00- 130.00	100.00
5.985	5.985 (0.743)	52	24634			0.00- 30.00	78.66
42 1-Pentene					CAS #: 109-67-1		
3.746	3.746 (0.465)	55	50556	2.00000	2.000	70.00- 130.00	100.00(T)
3.746	3.746 (0.465)	42	74243			0.00- 30.00	146.85
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
44 Ethyl Ether					CAS #: 60-29-7		
4.160	4.160 (0.516)	74	16155	2.00000	2.000	70.00- 130.00	100.00(T)
4.160	4.160 (0.516)	59	27310			0.00- 30.00	169.05
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
53 Iodomethane					CAS #: 74-88-4		
4.852	4.852 (0.602)	142	57968	2.00000	2.000	70.00- 130.00	100.00
4.852	4.852 (0.602)	127	21007			0.00- 30.00	36.24
58 1-Hexene					CAS #: 592-41-6		
6.040	6.040 (0.750)	55	25699	2.00000	2.000	70.00- 130.00	100.00
6.040	6.040 (0.750)	41	42662			0.00- 30.00	166.01
6.040	6.040 (0.750)	84	7480			0.00- 30.00	29.11
62 Methyl Acrylate					CAS #: 96-33-3		
7.810	7.810 (0.969)	55	39144	2.00000	2.000	70.00- 130.00	100.00
7.810	7.810 (0.969)	85	6332			0.00- 30.00	16.18
7.810	7.810 (0.969)	58	3639			0.00- 30.00	9.30
86 2-Pentanone					CAS #: 107-87-9		
10.824	10.824 (1.092)	43	79567	2.00000	2.000	70.00- 130.00	100.00
10.824	10.824 (1.092)	58	5511			0.00- 30.00	6.93
10.824	10.824 (1.092)	86	9031			0.00- 30.00	11.35
88 Ethyl Acrylate					CAS #: 140-88-5		
10.630	10.630 (1.073)	55	50953	2.00000	2.000	70.00- 130.00	100.00
10.658	10.658 (1.075)	99	3073			0.00- 30.00	6.03
10.630	10.630 (1.073)	45	7748			0.00- 30.00	15.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
95 Dibromomethane					CAS #: 74-95-3		
11.073	11.073 (1.117)	174	22884	2.00000	2.000	70.00- 130.00	100.00
11.073	11.073 (1.117)	93	24743			0.00- 30.00	108.12
11.073	11.073 (1.117)	95	22711			0.00- 30.00	99.24
96 Methyl Methacrylate					CAS #: 80-62-6		
11.073	11.073 (1.117)	41	36307	2.00000	2.000	70.00- 130.00	100.00
11.073	11.073 (1.117)	69	19873			0.00- 30.00	54.74
11.073	11.073 (1.117)	100	8744			0.00- 30.00	24.08
112 Alphamethylstyrene					CAS #: 98-83-9		
17.294	17.294 (1.153)	118	29511	2.00000	2.000	70.00- 130.00	100.00
17.294	17.294 (1.153)	103	18351			0.00- 30.00	62.18
117 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.709	17.709 (1.181)	93	53124	2.00000	2.000	70.00- 130.00	100.00
17.709	17.709 (1.181)	95	19267			0.00- 30.00	36.27
17.709	17.709 (1.181)	63	39747			0.00- 30.00	74.82
127 Nonane					CAS #: 111-84-2		
15.331	15.331 (1.022)	43	63413	2.00000	2.000	70.00- 130.00	100.00
15.331	15.331 (1.022)	57	53809			0.00- 30.00	84.85
15.331	15.331 (1.022)	85	16009			0.00- 30.00	25.25

QC Flag Legend

T - Target compound detected outside RT window.

Report Date: 20-Nov-2007 15:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111911.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 12:52
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	316018	189611	442425	327500	3.63
92 1,4-Difluorobenze	1167843	700706	1634980	1200460	2.79
125 Chlorobenzene-d5	929517	557710	1301324	947499	1.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

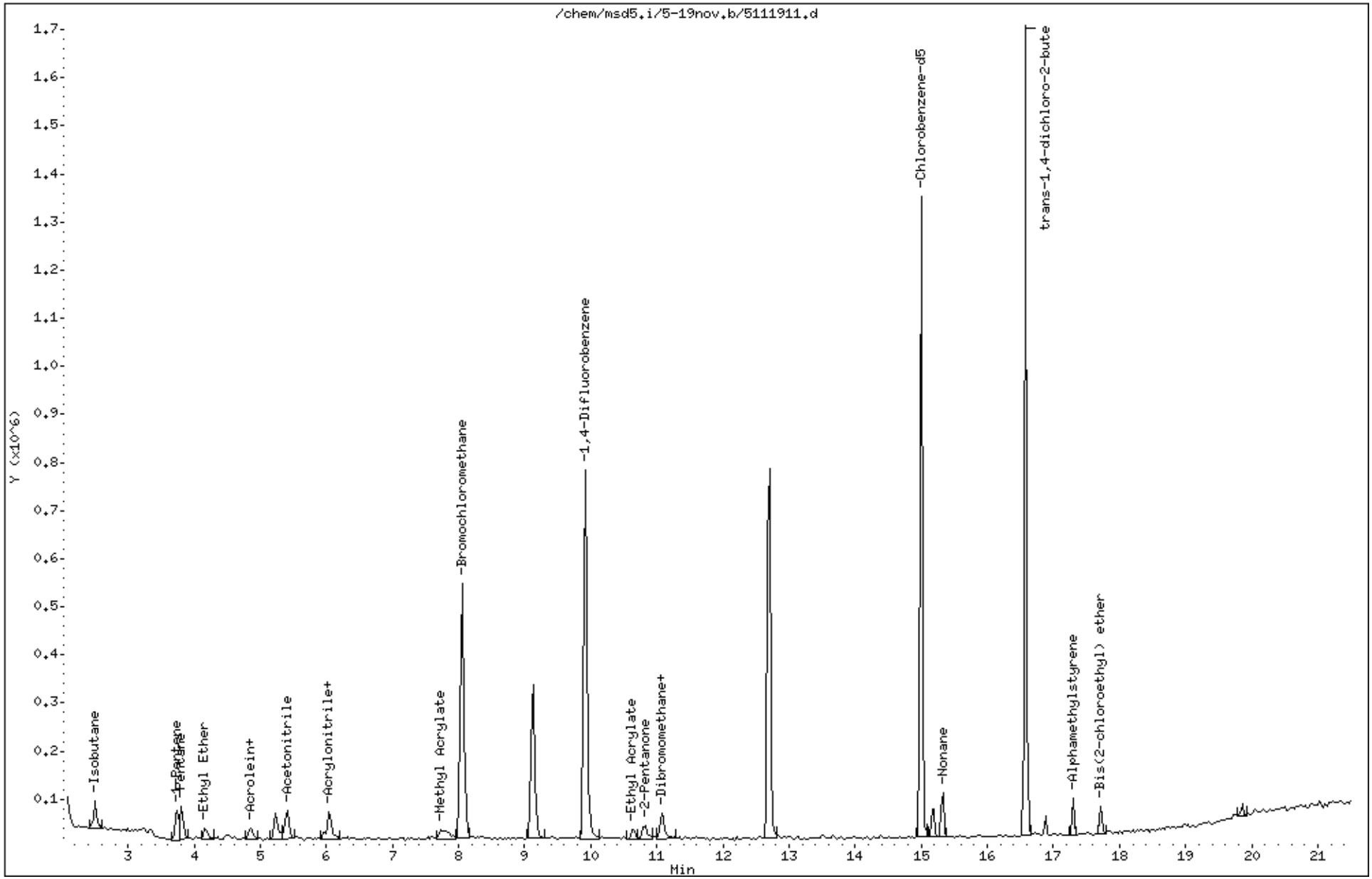
0118

Data File: /chem/msd5.i/5-19nov.b/5111911.d
Date : 19-NOV-2007 12:24
Client ID: Level 3
Sample Info: 2.0mL #1443-361

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111902.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 19-NOV-2007 01:56
Operator : sjr Inst ID: msd5.i
Smp Info : 2.0mL #1487-405
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 01:56 Cal File: 5111902.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	409441	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	329261			47.38- 107.38	80.42
8.059	8.059 (1.000)	49	912391			197.25- 257.25	222.84
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.939	9.939 (1.000)	114	1547444	25.0000		70.00- 130.00	100.00
9.939	9.939 (1.000)	88	252732			0.00- 47.51	16.33
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1175868	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	671079			0.00- 30.00	57.07
1 Freon134a					CAS #: 811-97-2		
2.253	2.253 (0.280)	83	30938	2.00000	2.000	70.00- 130.00	100.00
2.253	2.253 (0.280)	69	158131			0.00- 30.00	511.12
3 Freon 152a					CAS #: 75-37-6		
2.336	2.336 (0.290)	65	24878	2.00000	2.000	70.00- 130.00	100.00
2.391	2.391 (0.297)	51	151737			0.00- 30.00	609.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 22					CAS #: 75-45-6		
2.391	2.391 (0.297)	67	9665	2.00000	2.000	70.00- 130.00	100.00
2.391	2.391 (0.297)	51	149706			0.00- 30.00	1548.95
5 Freon142b					CAS #: 75-68-3		
2.612	2.612 (0.324)	65	41999	2.00000	2.000	70.00- 130.00	100.00
2.612	2.612 (0.324)	45	14040			0.00- 30.00	33.43
16 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.773	3.773 (0.468)	67	64440	2.00000	2.000	70.00- 130.00	100.00
3.773	3.773 (0.468)	69	21205			0.00- 30.00	32.91
3.746	3.746 (0.465)	35	1461			0.00- 30.00	2.27
22 Freon123a					CAS #: 354-23-4		
4.327	4.327 (0.537)	117	38216	2.00000	2.000	70.00- 130.00	100.00
4.299	4.299 (0.533)	67	50149			0.00- 30.00	131.23
24 Freon123					CAS #: 306-83-2		
4.437	4.437 (0.551)	83	64366	2.00000	2.000	70.00- 130.00	100.00
4.437	4.437 (0.551)	133	10230			0.00- 30.00	15.89
4.437	4.437 (0.551)	85	50869			0.00- 30.00	79.03
37 tert-Butyl-Alcohol					CAS #: 75-65-0		
5.598	5.598 (0.695)	59	55304	2.00000	2.000	70.00- 130.00	100.00
5.598	5.598 (0.695)	41	21376			0.00- 30.00	38.65
5.598	5.598 (0.695)	57	5625			0.00- 30.00	10.17
49 Isopropyl ether					CAS #: 108-20-3		
6.594	6.594 (0.818)	45	161462	2.00000	2.000	70.00- 130.00	100.00
6.621	6.621 (0.822)	87	28999			0.00- 30.00	17.96
6.594	6.594 (0.818)	59	15860			0.00- 30.00	9.82
57 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
7.230	7.230 (0.897)	59	58157	2.00000	2.000	70.00- 130.00	100.00
7.230	7.230 (0.897)	87	18728			0.00- 30.00	32.20
7.230	7.230 (0.897)	41	14279			0.00- 30.00	24.55
61 Ethyl Acetate					CAS #: 141-78-6		
7.727	7.727 (0.959)	70	7135	2.00000	2.000	70.00- 130.00	100.00
7.755	7.755 (0.962)	43	63008			0.00- 30.00	883.08
7.727	7.727 (0.959)	61	7037			0.00- 30.00	98.63
64 1-Propanol					CAS #: 71-23-8		
6.870	6.870 (0.852)	42	4160	2.00000	2.000	70.00- 130.00	100.00
6.843	6.843 (0.849)	59	5134			0.00- 30.00	123.41
6.870	6.870 (0.852)	41	5256			0.00- 30.00	126.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
76 Isobutanol					CAS #: 78-83-1		
9.110	9.110 (0.917)	43	33035	2.00000	2.000	70.00- 130.00	100.00
9.082	9.082 (0.914)	41	22733			0.00- 30.00	68.81
78 tert-amyl-Methyl Ether					CAS #: 994-05-8		
9.276	9.276 (1.151)	73	51150	2.00000	2.000	70.00- 130.00	100.00
9.303	9.303 (1.154)	87	15256			0.00- 30.00	29.83
9.276	9.276 (1.151)	55	24944			0.00- 30.00	48.77
118 Butyl Acetate					CAS #: 123-86-4		
14.197	14.197 (1.428)	56	31561	2.00000	2.000	70.00- 130.00	100.00
14.197	14.197 (1.428)	73	9197			0.00- 30.00	29.14
14.197	14.197 (1.428)	43	79367			0.00- 30.00	251.47
131 2-Heptanone					CAS #: 110-43-0		
16.105	16.105 (1.074)	58	49073	2.00000	2.000	70.00- 130.00	100.00
16.105	16.105 (1.074)	43	74991			0.00- 30.00	152.82
135 Cyclohexanone					CAS #: 108-94-1		
16.520	16.520 (1.101)	55	50207	2.00000	2.000	70.00- 130.00	100.00
16.520	16.520 (1.101)	98	16347			0.00- 30.00	32.56
16.520	16.520 (1.101)	42	35309			0.00- 30.00	70.33
146 Diisobutyl Ketone					CAS #: 108-83-8		
17.211	17.211 (1.147)	57	138864	2.00000	2.000	70.00- 130.00	100.00
17.211	17.211 (1.147)	85	79860			30.87- 90.87	57.51

Report Date: 20-Nov-2007 15:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111902.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 02:24
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	320182	192109	448255	409441	27.88
92 1,4-Difluorobenze	1222930	733758	1712102	1547444	26.54
125 Chlorobenzene-d5	969063	581438	1356688	1175868	21.34

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.94	0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

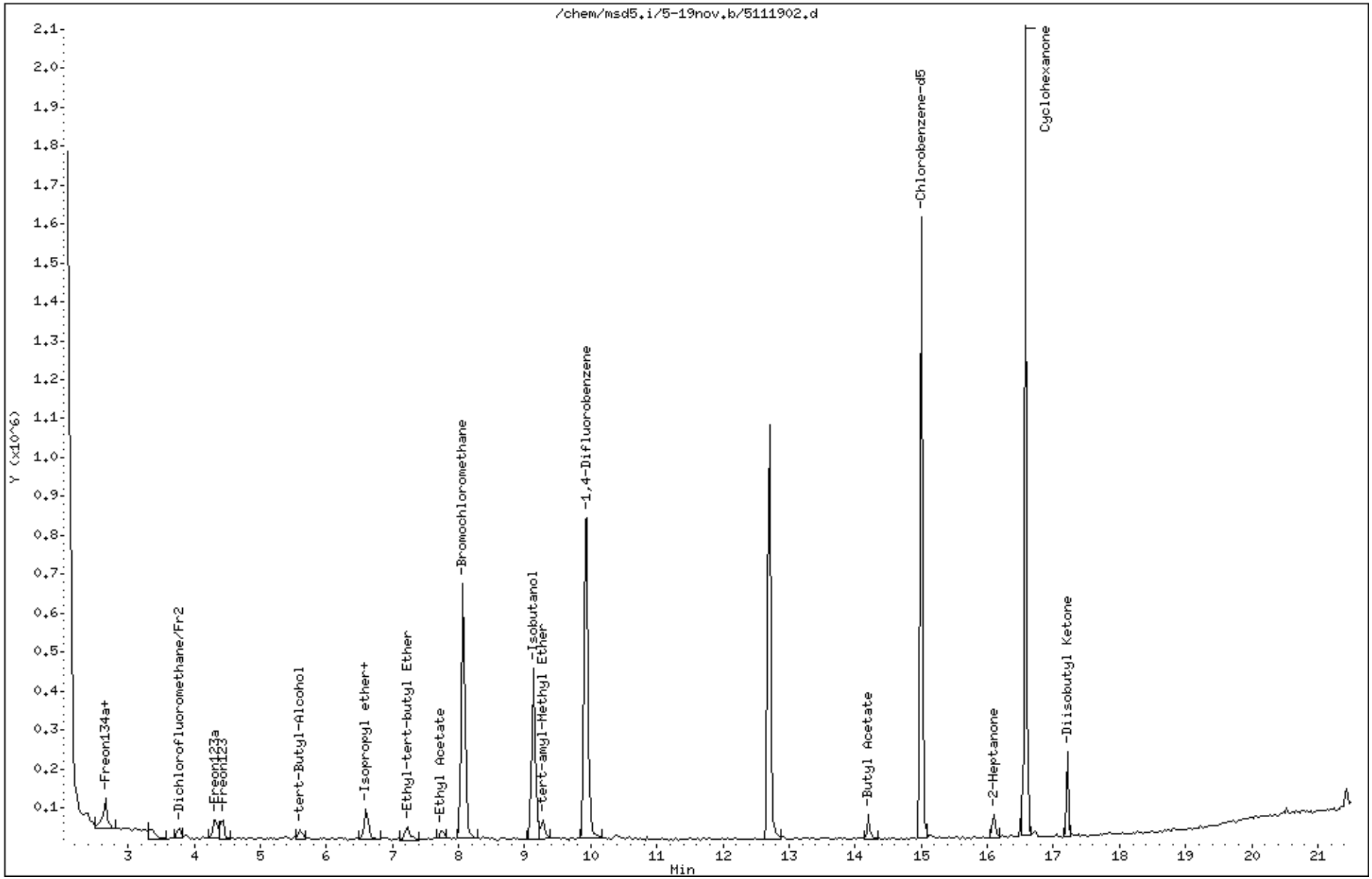
0123

Data File: /chem/msd5.i/5-19nov.b/5111902.d
Date : 19-NOV-2007 01:56
Client ID: Level 3
Sample Info: 2.0mL #1487-405

Instrument: msd5.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111216.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 12-NOV-2007 19:20
Operator : cb Inst ID: msd5.i
Smp Info : 2.0mL #1487-404
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:24 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 19:20 Cal File: 5111216.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	333304	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	268129			47.79- 107.79	80.45
8.059	8.059 (1.000)	49	749174			186.23- 246.23	224.77
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1294039	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	205628			0.00- 46.01	15.89
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	982975	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	582405			0.00- 30.00	59.25
33 Methyl Acetate					CAS #: 79-20-9		
5.239	5.239 (0.650)	43	72395	2.00000	1.469	70.00- 130.00	100.00(a)
5.239	5.239 (0.650)	74	13849			0.00- 30.00	19.13
5.239	5.239 (0.650)	59	4835			0.00- 30.00	6.68
52 Chloroprene					CAS #: 126-99-8		
6.677	6.677 (0.828)	53	55634	2.00000	1.410	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Chloroprene (continued)							
6.704	6.704 (0.832)	88	24677			12.60- 72.60	44.36
6.677	6.677 (0.828)	50	14078			0.00- 52.95	25.30
59 1,3-Dichloropropane					CAS #: 142-28-9		
13.893	13.893 (1.402)	76	37183	2.00000	1.506	70.00- 130.00	100.00(a)
13.893	13.893 (1.402)	41	36632			68.80- 128.80	98.52
13.893	13.893 (1.402)	78	14474			0.00- 30.00	38.93
60 2,2-Dichloropropane					CAS #: 594-20-7		
7.561	7.561 (0.938)	77	33830	2.00000	1.467	70.00- 130.00	100.00(a)
7.561	7.561 (0.938)	79	10723			2.86- 62.86	31.70
7.561	7.561 (0.938)	97	7959			0.00- 30.00	23.53
73 1,1-Dichloropropene					CAS #: 563-58-6		
8.723	8.723 (1.082)	110	13431	2.00000	1.530	70.00- 130.00	100.00(a)
8.723	8.723 (1.082)	75	38422			0.00- 30.00	286.07
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
15.193	15.193 (1.013)	131	26054	2.00000	1.483	70.00- 130.00	100.00(a)
15.165	15.165 (1.011)	117	19617			0.00- 30.00	75.29
15.165	15.165 (1.011)	95	13111			0.00- 30.00	50.32
137 Bromobenzene					CAS #: 108-86-1		
16.741	16.741 (1.116)	156	34417	2.00000	1.583	70.00- 130.00	100.00(a)
16.741	16.741 (1.116)	77	63144			151.57- 211.57	183.47
16.741	16.741 (1.116)	158	36862			0.00- 30.00	107.10
139 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.852	16.852 (1.123)	110	19269	2.00000	1.615	70.00- 130.00	100.00(a)
16.852	16.852 (1.123)	61	17041			0.00- 30.00	88.44
16.852	16.852 (1.123)	112	14352			0.00- 30.00	74.48
140 2-Chlorotoluene					CAS #: 95-49-8		
16.962	16.962 (1.131)	126	25746	2.00000	1.413	70.00- 130.00	100.00(a)
16.962	16.962 (1.131)	91	89078			287.64- 347.64	345.99
16.962	16.962 (1.131)	65	10756			0.00- 30.00	41.78
143 4-Chlorotoluene					CAS #: 106-43-4		
17.100	17.100 (1.140)	126	28148	2.00000	1.505	70.00- 130.00	100.00(a)
17.100	17.100 (1.140)	91	88953			287.83- 347.83	316.02
17.100	17.100 (1.140)	63	13716			0.00- 30.00	48.73
149 tert-Butylbenzene					CAS #: 98-06-6		
17.377	17.377 (1.159)	119	115990	2.00000	1.533	70.00- 130.00	100.00(a)
17.377	17.377 (1.159)	134	24294			0.00- 53.69	20.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
149 tert-Butylbenzene (continued)							
17.377	17.377 (1.159)	91	68058			0.00- 30.00	58.68
150 Pentachloroethane					CAS #: 76-01-7		
17.460	17.460 (1.164)	167	17042	2.00000	1.283	70.00- 130.00	100.00(a)
17.432	17.432 (1.162)	117	21565			0.00- 30.00	126.54
151 sec-Butylbenzene					CAS #: 135-98-8		
17.598	17.598 (1.173)	105	138524	2.00000	1.543	70.00- 130.00	100.00(a)
17.598	17.598 (1.173)	134	21366			0.00- 49.07	15.42
17.598	17.598 (1.173)	91	26208			0.00- 30.00	18.92
153 p-Cymene					CAS #: 99-87-6		
17.764	17.764 (1.184)	134	26565	2.00000	1.367	70.00- 130.00	100.00(a)
17.764	17.764 (1.184)	119	95739			341.15- 401.15	360.40
17.764	17.764 (1.184)	91	23297			0.00- 30.00	87.70
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.875	17.875 (1.192)	120	37919	2.00000	1.358	70.00- 130.00	100.00(a)
17.875	17.875 (1.192)	105	93862			197.36- 257.36	247.53
17.875	17.875 (1.192)	77	10501			0.00- 30.00	27.69
158 Butylbenzene					CAS #: 104-51-8		
18.151	18.151 (1.210)	134	24456	2.00000	1.396	70.00- 130.00	100.00(a)
18.123	18.123 (1.208)	91	104158			393.82- 453.82	425.90
18.123	18.123 (1.208)	92	50355			0.00- 30.00	205.90
160 Hexachloroethane					CAS #: 67-72-1		
18.372	18.372 (1.225)	117	35457	2.00000	1.368	70.00- 130.00	100.00(a)
18.400	18.400 (1.227)	201	21688			0.00- 30.00	61.17
	Sum of Peak Amounts =			1.37			
161 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.898	18.898 (1.260)	157	23310	2.00000	1.302	70.00- 130.00	100.00(a)
18.870	18.870 (1.258)	75	30534			92.49- 152.49	130.99
18.898	18.898 (1.260)	155	18218			0.00- 30.00	78.16
166 1,2,3-Trichlorobenzene					CAS #: 87-61-6		
19.865	19.865 (1.324)	180	65333	2.00000	1.684	70.00- 130.00	100.00(a)
19.865	19.865 (1.324)	182	62516			0.00- 30.00	95.69
19.865	19.865 (1.324)	145	19587			0.00- 30.00	29.98
192 Cyclopentene					CAS #: 142-29-0		
5.239	5.239 (0.650)	67	74381	2.00000	1.545	70.00- 130.00	100.00(a)
5.239	5.239 (0.650)	68	26258			0.00- 30.00	35.30
5.239	5.239 (0.650)	53	16468			0.00- 30.00	22.14

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: msd5.i
Lab File ID: 5111216.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 19:48
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	345466	207280	483652	333304	-3.52
92 1,4-Difluorobenze	1312181	787309	1837053	1294039	-1.38
125 Chlorobenzene-d5	1008754	605252	1412256	982975	-2.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

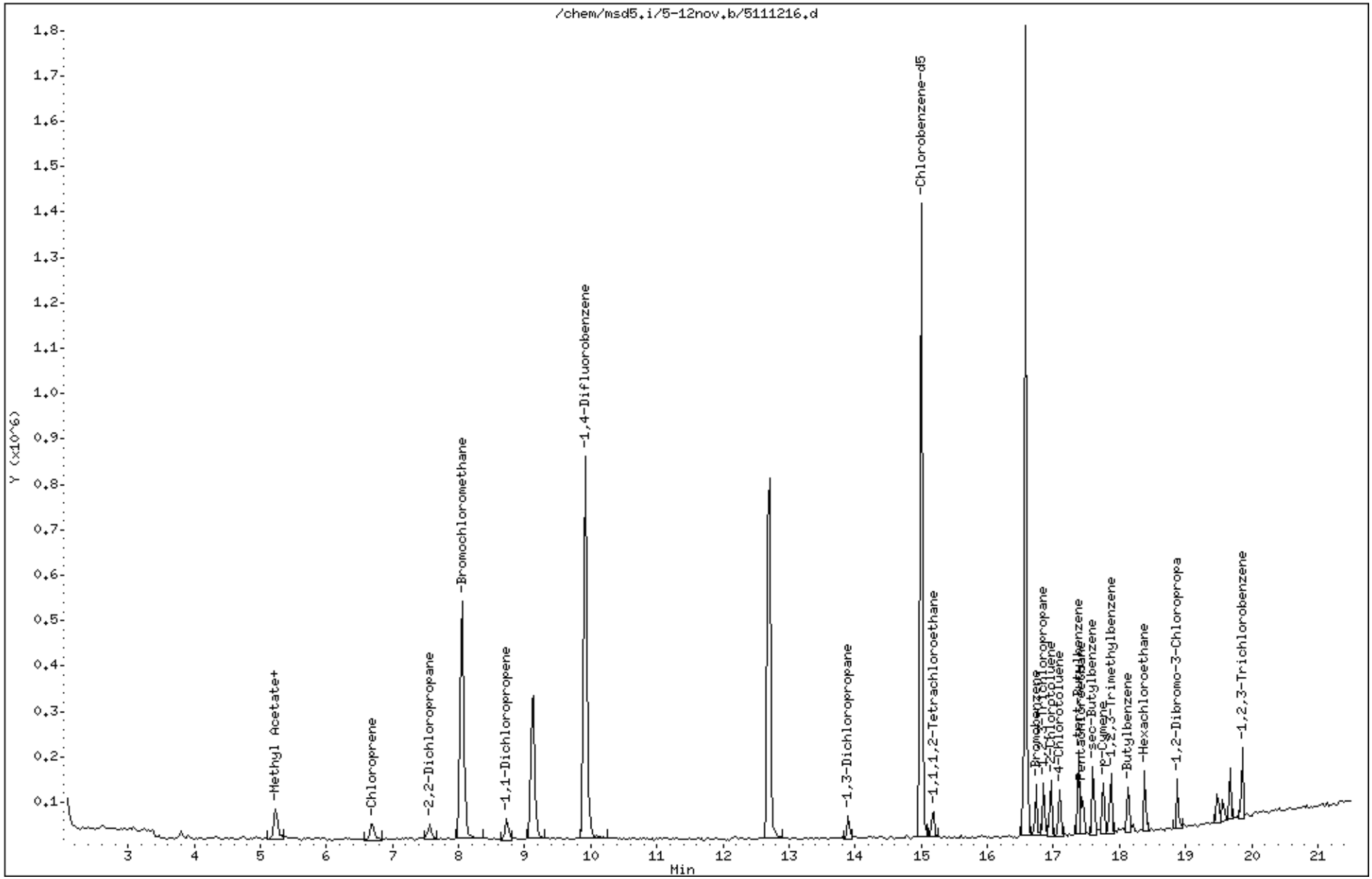
0129

Data File: /chem/msd5.i/5-12nov.b/5111216.d
Date : 12-NOV-2007 19:20
Client ID: Level 3
Sample Info: 2.0mL #1487-404

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111209.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 12-NOV-2007 14:17
Operator : cb Inst ID: msd5.i
Smp Info : 2mL #1576-89
Misc Info : 200ppbv -> 2ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 14:17 Cal File: 5111209.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
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	322724	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	256512			42.76- 102.76	79.48
8.059	8.059 (1.000)	49	726685			173.18- 233.18	225.17
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1214211	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	205951			0.00- 46.42	16.96
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	958757	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	568356			0.00- 30.00	59.28
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	464909	25.0000	24.068	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	229742			0.00- 30.00	49.42
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1056409	25.0000	24.643	70.00- 130.00	100.00
12.676	12.676 (1.279)	70	110980			0.00- 30.00	10.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	688251			0.00- 30.00	65.15
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	533075	25.0000	23.829	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	889818			128.71- 188.71	166.92
16.575	16.575 (1.105)	176	520587			68.26- 128.26	97.66
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	34509	2.00000	1.532	70.00- 130.00	100.00(a)
2.280	2.280 (0.283)	42	30676			0.00- 30.00	88.89
2.280	2.280 (0.283)	39	24651			0.00- 30.00	71.43
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	62431	2.00000	1.636	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	24055			0.00- 30.00	38.53
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	60617	2.00000	1.740	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	17640			2.29- 62.29	29.10
10 Chloromethane					CAS #: 74-87-3		
2.584	2.584 (0.321)	50	41485	2.00000	1.448	70.00- 130.00	100.00(a)
2.612	2.612 (0.324)	52	14778			0.00- 30.00	35.62
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	44200	2.00000	1.603	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	12716			0.00- 30.00	28.77
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	34201	2.00000	1.452	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	38518			0.00- 30.00	112.62
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	26487	2.00000	1.488	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	25693			65.07- 125.07	97.00
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	22215	2.00000	1.584	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	6499			0.00- 30.00	29.26
3.414	3.414 (0.424)	66	5751			0.00- 30.00	25.89
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	65110	2.00000	1.565	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	47734			34.56- 94.56	73.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.105	4.105 (0.509)	45	13596	2.00000	1.504	70.00- 130.00	100.00(a)
4.105	4.105 (0.509)	43	3872			0.00- 30.00	28.48
4.105	4.105 (0.509)	46	4661			0.00- 30.00	34.28
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	40323	2.00000	1.559	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	25890			33.43- 93.43	64.21
4.520	4.520 (0.561)	101	61129			108.48- 168.48	151.60
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	55820	2.00000	1.630	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	30966			27.13- 87.13	55.47
4.575	4.575 (0.568)	98	20802			5.60- 65.60	37.27
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	15775	2.00000	1.232	70.00- 130.00	100.00(a)
4.741	4.741 (0.588)	43	53793			0.00- 30.00	341.00
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	59840	2.00000	1.313	70.00- 130.00	100.00(a)
4.935	4.935 (0.612)	43	22325			0.00- 30.00	37.31
4.935	4.935 (0.612)	59	2440			0.00- 30.00	4.08
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	90183	2.00000	1.555	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.183 (0.643)	76	13938	2.00000	1.444	70.00- 130.00	100.00(a)
5.183	5.183 (0.643)	41	46871			0.00- 30.00	336.28
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	46452	2.00000	1.587	70.00- 130.00	100.00
5.432	5.432 (0.674)	84	27786			29.81- 89.81	59.82
5.432	5.432 (0.674)	51	15672			0.00- 30.00	33.74
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	39158	2.00000	1.777	70.00- 130.00	100.00
5.792	5.792 (0.719)	57	11612			1.68- 61.68	29.65
5.792	5.792 (0.719)	41	16143			0.00- 30.00	41.23
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	33004	2.00000	1.592	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	57452			133.65- 193.65	174.08
5.819	5.819 (0.722)	98	21915			0.00- 30.00	66.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	62884	2.00000	1.491	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	45994			0.00- 30.00	73.14
6.179	6.179 (0.767)	86	7888			0.00- 30.00	12.54
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	62245	2.00000	1.658	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	19845			0.52- 60.52	31.88
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	11020	2.00000	1.216	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	61049			536.33- 596.33	553.98
7.700	7.700 (0.955)	57	5393			0.00- 30.00	48.94
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	45989	2.00000	1.631	70.00- 130.00	100.00
7.644	7.644 (0.949)	96	27458			37.56- 97.56	59.71
7.617	7.617 (0.945)	98	20458			14.52- 74.52	44.48
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	52041	2.00000	1.542	70.00- 130.00	100.00
8.059	8.059 (1.000)	71	14250			0.00- 55.74	27.38
8.059	8.059 (1.000)	72	13170			0.00- 30.00	25.31
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	51953	2.00000	1.633	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	34726			35.19- 95.19	66.84
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.418	8.418 (1.045)	97	49288	2.00000	1.550	70.00- 130.00	100.00
8.418	8.418 (1.045)	99	27424			33.02- 93.02	55.64
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	40263	2.00000	1.572	70.00- 130.00	100.00
8.391	8.391 (1.041)	56	59986			126.11- 186.11	148.99
8.391	8.391 (1.041)	41	35277			55.82- 115.82	87.62
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	4258	2.00000	0.8952	70.00- 130.00	100.00(a)
6.677	6.677 (0.828)	43	46710			0.00- 30.00	1096.99
6.677	6.677 (0.828)	42	6522			0.00- 30.00	153.17
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	40265	2.00000	1.534	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	46330			75.98- 135.98	115.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.082	9.082 (1.127)	57	166134	2.00000	1.437	70.00- 130.00	100.00
9.082	9.082 (1.127)	56	53643			0.00- 30.00	32.29
9.082	9.082 (1.127)	41	48146			0.00- 30.00	28.98
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	81098	2.00000	1.550	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	19267			0.00- 30.00	23.76
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	37851	2.00000	1.579	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	14265			0.00- 30.00	37.69
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	8177	2.00000	1.399	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	68554			0.00- 30.00	838.38
9.469	9.469 (0.955)	71	25465			0.00- 30.00	311.42
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	31935	2.00000	1.504	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	35650			64.49- 124.49	111.63
10.326	10.326 (1.042)	97	22195			34.72- 94.72	69.50
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.824	10.824 (1.092)	63	34179	2.00000	1.661	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	22975			39.05- 99.05	67.22
10.852	10.852 (1.095)	41	22269			36.65- 96.65	65.15
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	18006	2.00000	1.506	70.00- 130.00	100.00(a)
11.073	11.073 (1.117)	58	18328			62.00- 122.00	101.79
11.073	11.073 (1.117)	57	7210			0.00- 30.00	40.04
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	46637	2.00000	1.571	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	25261			34.72- 94.72	54.17
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	31732	2.00000	1.508	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	9531			0.28- 60.28	30.04
12.317	12.317 (1.243)	39	23919			43.30- 103.30	75.38
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	22957	2.00000	1.339	70.00- 130.00	100.00
12.594	12.594 (1.271)	43	75333			0.00- 30.00	328.15
12.621	12.621 (1.273)	85	8223			0.00- 30.00	35.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	84031	2.00000	1.556	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	49902			29.65- 89.65	59.39
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	22625	2.00000	1.117	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	8200			1.96- 61.96	36.24
13.368	13.368 (0.891)	39	16458			38.82- 98.82	72.74
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	30273	2.00000	1.675	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	19956			33.63- 93.63	65.92
13.644	13.644 (0.910)	83	24520			55.73- 115.73	81.00
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	37916	2.00000	1.805	70.00- 130.00	100.00
13.672	13.672 (0.912)	129	24639			50.24- 110.24	64.98
13.699	13.699 (0.913)	131	24276			48.42- 108.42	64.03
119 2-Hexanone					CAS #: 591-78-6		
14.031	14.031 (0.935)	58	29687	2.00000	1.178	70.00- 130.00	100.00(a)
14.031	14.031 (0.935)	43	64036			168.65- 228.65	215.70
14.031	14.031 (0.935)	100	4239			0.00- 30.00	14.28
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	35286	2.00000	1.396	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	26625			0.00- 30.00	75.45
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	39203	2.00000	1.480	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	34913			63.74- 123.74	89.06
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	72501	2.00000	1.757	70.00- 130.00	100.00
15.027	15.027 (1.002)	114	21533			1.82- 61.82	29.70
15.027	15.027 (1.002)	77	47947			31.79- 91.79	66.13
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	29817	2.00000	1.338	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	112702			0.00- 30.00	377.98
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	39645	2.00000	1.448	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	85232			0.00- 30.00	214.99
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	40312	2.00000	1.548	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	83837			195.49- 255.49	207.97
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	46549	2.00000	1.213	70.00- 130.00	100.00
15.911	15.911 (1.061)	78	26850			22.39- 82.39	57.68
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	30933	2.00000	1.373	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	16221			21.21- 81.21	52.44
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	66301	2.00000	1.689	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	42929			33.63- 93.63	64.75
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	111317	2.00000	1.449	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	31652			0.00- 59.46	28.43
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	103369	2.00000	1.489	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	52144			0.00- 30.00	50.44
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	88326	2.00000	1.500	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	40529			16.11- 76.11	45.89
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	66466	2.00000	1.594	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	46072			0.00- 30.00	69.32
17.764	17.764 (1.184)	111	29558			0.00- 30.00	44.47
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	84647	2.00000	1.732	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	47850			0.00- 30.00	56.53
17.847	17.847 (1.190)	111	35983			0.00- 30.00	42.51
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	60800	2.00000	0.9881	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	12615			0.00- 30.00	20.75
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	83215	2.00000	1.897	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	48015			32.64- 92.64	57.70
18.206	18.206 (1.214)	111	30589			11.53- 71.53	36.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	59101	2.00000	1.898	70.00- 130.00	100.00(a)
19.506	19.506 (1.300)	182	53267			63.93- 123.93	90.13
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	41151	2.00000	1.882	70.00- 130.00	100.00(a)
19.589	19.589 (1.306)	223	24876			32.69- 92.69	60.45
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	141217	2.00000	1.562	70.00- 130.00	100.00
16.852	16.852 (1.123)	120	31026			0.00- 30.00	21.97
16.852	16.852 (1.123)	105	4167			0.00- 30.00	2.95
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	114034	2.00000	1.445	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	27668			0.00- 30.00	24.26
16.326	16.326 (1.088)	51	17582			0.00- 30.00	15.42
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	197397	2.00000	1.904	70.00- 130.00	100.00(a)
19.672	19.672 (1.312)	127	24023			0.00- 30.00	12.17
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	64612	2.00000	1.617	70.00- 130.00	100.00(a)
3.414	3.414 (0.424)	57	43012			0.00- 30.00	66.57
3.414	3.414 (0.424)	72	3775			0.00- 30.00	5.84
11 Butane					CAS #: 106-97-8		
2.667	2.667 (0.331)	58	10883	2.00000	1.598	70.00- 130.00	100.00(a)
2.667	2.667 (0.331)	43	85425			0.00- 30.00	784.94
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	47307	2.00000	1.565	70.00- 130.00	100.00
10.547	10.547 (1.064)	98	22026			0.00- 30.00	46.56
10.547	10.547 (1.064)	55	54868			0.00- 30.00	115.98

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: msd5.i
Lab File ID: 5111209.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 2ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	322724	-9.15
92 1,4-Difluorobenze	1306915	784149	1829681	1214211	-7.09
125 Chlorobenzene-d5	1023463	614078	1432848	958757	-6.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

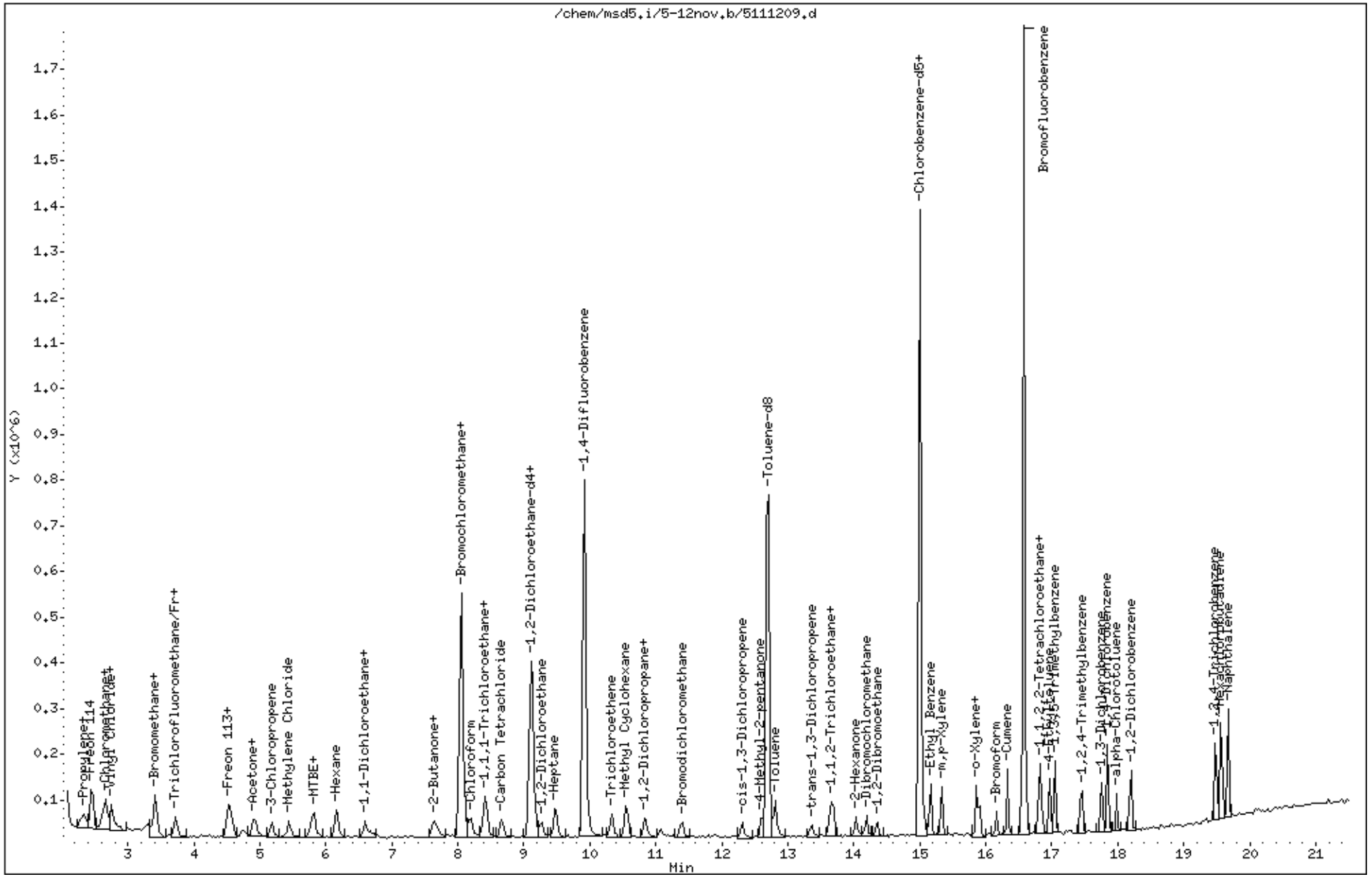
0139

Data File: /chem/msd5.i/5-12nov.b/5111209.d
Date : 12-NOV-2007 14:17
Client ID: Level 3
Sample Info: 2mL #1576-89

Instrument: msd5.i

Operator: cb

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111210.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 12-NOV-2007 14:45
Operator : cb Inst ID: msd5.i
Smp Info : 25mL #1576-89
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 14:45 Cal File: 5111210.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
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	334527	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	260785			42.76- 102.76	77.96
8.031	8.031 (1.000)	49	727160			173.18- 233.18	217.37
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1289908	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	199765			0.00- 46.42	15.49
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	997843	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	587344			0.00- 30.00	58.86
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	483717	25.0000	24.158	70.00- 130.00	100.00
9.137	9.137 (1.134)	67	270045			0.00- 30.00	55.83
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1153506	25.0000	25.329	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	115740			0.00- 30.00	10.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	758692			0.00- 30.00	65.77
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	591715	25.0000	25.414	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	932598			128.71- 188.71	157.61
16.575	16.575 (1.105)	176	571616			68.26- 128.26	96.60
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	662690	25.0000	28.381	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	450921			0.00- 30.00	68.04
2.280	2.280 (0.283)	39	450789			0.00- 30.00	68.02
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	1146478	25.0000	28.984	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	378796			0.00- 30.00	33.04
9 Freon 114					CAS #: 76-14-2		
2.446	2.446 (0.304)	135	1050229	25.0000	29.093	70.00- 130.00	100.00
2.446	2.446 (0.304)	137	322619			2.29- 62.29	30.72
10 Chloromethane					CAS #: 74-87-3		
2.585	2.585 (0.321)	50	855747	25.0000	28.811	70.00- 130.00	100.00
2.585	2.585 (0.321)	52	260182			0.00- 30.00	30.40
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	838816	25.0000	29.341	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	261204			0.00- 30.00	31.14
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	752822	25.0000	30.834	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	795006			0.00- 30.00	105.60
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	546191	25.0000	29.593	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	523940			65.07- 125.07	95.93
19 Chloroethane					CAS #: 75-00-3		
3.386	3.386 (0.420)	64	429880	25.0000	29.561	70.00- 130.00	100.00
3.386	3.386 (0.420)	49	120010			0.00- 30.00	27.92
3.386	3.386 (0.420)	66	127147			0.00- 30.00	29.58
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	1264537	25.0000	29.322	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	819011			34.56- 94.56	64.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.078	4.078 (0.506)	45	279983	25.0000	29.884	70.00- 130.00	100.00
4.078	4.078 (0.506)	43	55168			0.00- 30.00	19.70
4.078	4.078 (0.506)	46	117750			0.00- 30.00	42.06
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	793323	25.0000	29.584	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	486250			33.43- 93.43	61.29
4.520	4.520 (0.561)	101	1063047			108.48- 168.48	134.00
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	1025912	25.0000	28.907	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	579347			27.13- 87.13	56.47
4.575	4.575 (0.568)	98	379018			5.60- 65.60	36.94
32 Acetone					CAS #: 67-64-1		
4.714	4.714 (0.585)	58	374495	25.0000	28.212	70.00- 130.00	100.00
4.714	4.714 (0.585)	43	1138367			0.00- 30.00	303.97
36 2-Propanol					CAS #: 67-63-0		
4.907	4.907 (0.609)	45	1288123	25.0000	27.267	70.00- 130.00	100.00
4.907	4.907 (0.609)	43	286038			0.00- 30.00	22.21
4.935	4.935 (0.612)	59	48259			0.00- 30.00	3.75
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	1812623	25.0000	30.160	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.184 (0.643)	76	274594	25.0000	27.441	70.00- 130.00	100.00
5.184	5.184 (0.643)	41	1080424			0.00- 30.00	393.46
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	864094	25.0000	28.474	70.00- 130.00	100.00
5.432	5.432 (0.674)	84	511783			29.81- 89.81	59.23
5.432	5.432 (0.674)	51	267550			0.00- 30.00	30.96
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	628320	25.0000	27.505	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	190297			1.68- 61.68	30.29
5.764	5.764 (0.715)	41	220926			0.00- 30.00	35.16
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.820	5.820 (0.722)	96	642782	25.0000	29.906	70.00- 130.00	100.00
5.820	5.820 (0.722)	61	1038046			133.65- 193.65	161.49
5.820	5.820 (0.722)	98	412618			0.00- 30.00	64.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	1293253	25.0000	29.589	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	912632			0.00- 30.00	70.57
6.151	6.151 (0.763)	86	175618			0.00- 30.00	13.58
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	1159420	25.0000	29.792	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	353585			0.52- 60.52	30.50
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	260618	25.0000	27.749	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	1556458			536.33- 596.33	597.22
7.672	7.672 (0.952)	57	108815			0.00- 30.00	41.75
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	852737	25.0000	29.183	70.00- 130.00	100.00
7.617	7.617 (0.945)	96	579802			37.56- 97.56	67.99
7.617	7.617 (0.945)	98	374515			14.52- 74.52	43.92
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	941307	25.0000	26.918	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	243549			0.00- 55.74	25.87
8.031	8.031 (0.997)	72	276695			0.00- 30.00	29.39
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	974502	25.0000	29.554	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	633277			35.19- 95.19	64.98
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.419	8.419 (1.045)	97	934919	25.0000	28.366	70.00- 130.00	100.00
8.419	8.419 (1.045)	99	613886			33.02- 93.02	65.66
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	792547	25.0000	29.850	70.00- 130.00	100.00
8.391	8.391 (1.041)	56	1226244			126.11- 186.11	154.72
8.391	8.391 (1.041)	41	701484			55.82- 115.82	88.51
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	138576	25.0000	28.107	70.00- 130.00	100.00
6.649	6.649 (0.825)	43	1704333			0.00- 30.00	1229.89
6.649	6.649 (0.825)	42	130423			0.00- 30.00	94.12
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	809879	25.0000	29.761	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	859338			75.98- 135.98	106.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	3611843	25.0000	30.137	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	1138268			0.00- 30.00	31.51
9.110	9.110 (1.130)	41	934324			0.00- 30.00	25.87
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	1645273	25.0000	29.592	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	374414			0.00- 30.00	22.76
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	733430	25.0000	28.795	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	229542			0.00- 30.00	31.30
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	187102	25.0000	30.129	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	1432521			0.00- 30.00	765.64
9.469	9.469 (0.955)	71	558888			0.00- 30.00	298.71
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	643545	25.0000	28.538	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	606528			64.49- 124.49	94.25
10.326	10.326 (1.042)	97	408553			34.72- 94.72	63.48
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.824	10.824 (1.092)	63	605108	25.0000	27.675	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	432166			39.05- 99.05	71.42
10.824	10.824 (1.092)	41	428434			36.65- 96.65	70.80
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	331486	25.0000	26.104	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	317598			62.00- 122.00	95.81
11.073	11.073 (1.117)	57	103554			0.00- 30.00	31.24
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	900304	25.0000	28.555	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	563113			34.72- 94.72	62.55
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	629894	25.0000	28.188	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	201792			0.28- 60.28	32.04
12.289	12.289 (1.240)	39	478334			43.30- 103.30	75.94
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	530758	25.0000	29.139	70.00- 130.00	100.00
12.594	12.594 (1.271)	43	1509968			0.00- 30.00	284.49
12.594	12.594 (1.271)	85	169679			0.00- 30.00	31.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	1600261	25.0000	27.900	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	944522			29.65- 89.65	59.02
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	614344	25.0000	29.141	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	195343			1.96- 61.96	31.80
13.368	13.368 (0.891)	39	433660			38.82- 98.82	70.59
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	543918	25.0000	28.923	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	333845			33.63- 93.63	61.38
13.644	13.644 (0.910)	83	469329			55.73- 115.73	86.29
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	641390	25.0000	29.342	70.00- 130.00	100.00
13.672	13.672 (0.912)	129	519336			50.24- 110.24	80.97
13.700	13.700 (0.913)	131	465809			48.42- 108.42	72.62
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	705936	25.0000	26.910	70.00- 130.00	100.00
14.004	14.004 (0.934)	43	1449745			168.65- 228.65	205.36
14.031	14.031 (0.935)	100	106081			0.00- 30.00	15.03
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	781679	25.0000	29.707	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	629962			0.00- 30.00	80.59
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	810766	25.0000	29.412	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	766083			63.74- 123.74	94.49
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	1244447	25.0000	28.982	70.00- 130.00	100.00
15.027	15.027 (1.002)	114	386814			1.82- 61.82	31.08
15.027	15.027 (1.002)	77	775823			31.79- 91.79	62.34
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	682779	25.0000	29.433	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	2277047			0.00- 30.00	333.50
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	870860	25.0000	30.564	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	1817374			0.00- 30.00	208.69
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	797683	25.0000	29.441	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	1777338			195.49- 255.49	222.81
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	1266850	25.0000	31.713	70.00- 130.00	100.00
15.912	15.912 (1.061)	78	629233			22.39- 82.39	49.67
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	675390	25.0000	28.802	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	359161			21.21- 81.21	53.18
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	1232295	25.0000	30.158	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	772986			33.63- 93.63	62.73
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	2465606	25.0000	30.842	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	715161			0.00- 59.46	29.01
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	2280818	25.0000	31.564	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	1072498			0.00- 30.00	47.02
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	1826338	25.0000	29.794	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	851499			16.11- 76.11	46.62
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	1241257	25.0000	28.603	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	812078			0.00- 30.00	65.42
17.764	17.764 (1.184)	111	499022			0.00- 30.00	40.20
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	1514808	25.0000	29.784	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	963066			0.00- 30.00	63.58
17.847	17.847 (1.190)	111	647676			0.00- 30.00	42.76
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	1979971	25.0000	30.916	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	394352			0.00- 30.00	19.92
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	1258812	25.0000	27.579	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	803161			32.64- 92.64	63.80
18.206	18.206 (1.214)	111	506882			11.53- 71.53	40.27

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	826354	25.0000	25.506	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	806386			63.93- 123.93	97.58
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	607708	25.0000	26.699	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	380207			32.69- 92.69	62.56
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	2855716	25.0000	30.351	70.00- 130.00	100.00
16.824	16.824 (1.122)	120	608220			0.00- 30.00	21.30
16.824	16.824 (1.122)	105	99037			0.00- 30.00	3.47
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	2396295	25.0000	29.169	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	632802			0.00- 30.00	26.41
16.326	16.326 (1.088)	51	340331			0.00- 30.00	14.20
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	3032327	25.0000	28.102	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	372568			0.00- 30.00	12.29
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	1168743	25.0000	28.222	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	771876			0.00- 30.00	66.04
3.414	3.414 (0.424)	72	70331			0.00- 30.00	6.02
11 Butane					CAS #: 106-97-8		
2.667	2.667 (0.331)	58	200544	25.0000	28.403	70.00- 130.00	100.00
2.667	2.667 (0.331)	43	1493932			0.00- 30.00	744.94
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.548	10.548 (1.064)	83	951148	25.0000	29.620	70.00- 130.00	100.00
10.548	10.548 (1.064)	98	442883			0.00- 30.00	46.56
10.548	10.548 (1.064)	55	1041822			0.00- 30.00	109.53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111210.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	334527	-5.83
92 1,4-Difluorobenze	1306915	784149	1829681	1289908	-1.30
125 Chlorobenzene-d5	1023463	614078	1432848	997843	-2.50

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

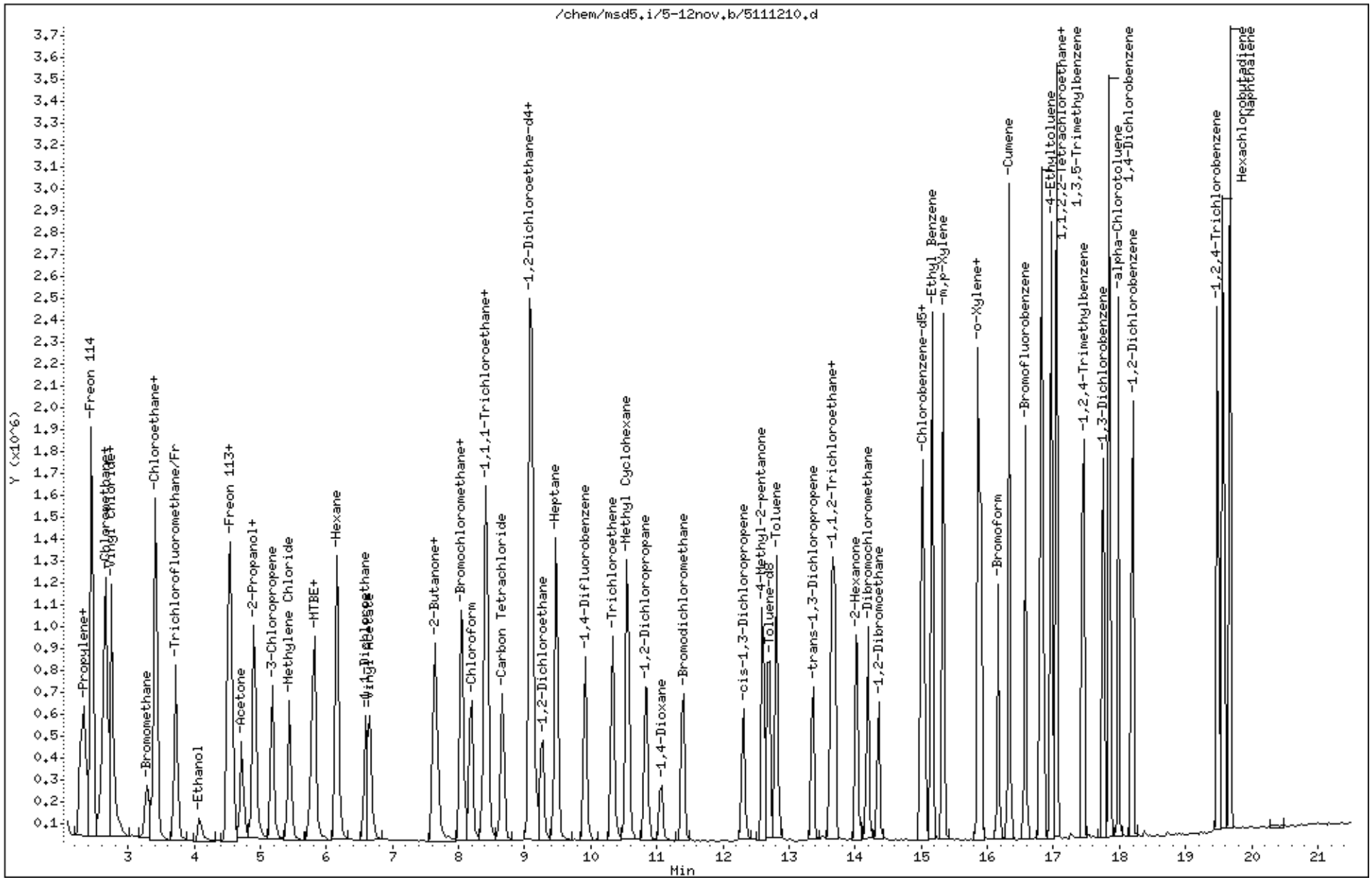
0149

Data File: /chem/msd5.i/5-12nov.b/5111210.d
Date : 12-NOV-2007 14:45
Client ID: Level 4
Sample Info: 25mL #1576-89

Instrument: msd5.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



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AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111912.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 19-NOV-2007 12:52
Operator : cb Inst ID: msd5.i
Smp Info : 50mL #1443-361
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:50 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 12:52 Cal File: 5111912.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19b.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane						CAS #: 74-97-5	
8.059	8.059 (1.000)	130	316018	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	246534			48.01- 108.01	78.01
8.031	8.031 (1.000)	49	716199			196.63- 256.63	226.63
* 92 1,4-Difluorobenzene						CAS #: 540-36-3	
9.911	9.911 (1.000)	114	1167843	25.0000		80.00- 120.00	100.00
9.911	9.911 (1.000)	88	194331			0.00- 46.64	16.64
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.999	14.999 (1.000)	117	929517	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	540414			28.14- 88.14	58.14
7 Isobutane						CAS #: 75-28-5	
2.474	2.474 (0.307)	43	2672004	50.0000	52.257	80.00- 120.00	100.00
2.474	2.474 (0.307)	42	895450			3.51- 63.51	33.51
2.474	2.474 (0.307)	58	79963			0.00- 32.99	2.99
18 Pentane						CAS #: 109-66-0	
3.801	3.801 (0.472)	43	2797821	50.0000	56.481	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
18 Pentane (continued)							
3.801	3.801 (0.472)	57	393879			0.00- 44.08	14.08
3.801	3.801 (0.472)	72	230430			0.00- 38.24	8.24
25 Acrolein					CAS #: 107-02-8		
4.492	4.492 (0.557)	55	344592	50.0000	61.361	80.00- 120.00	100.00
4.492	4.492 (0.557)	56	498001			114.52- 174.52	144.52
39 Acrylonitrile					CAS #: 107-13-1		
5.930	5.930 (0.736)	53	1149962	50.0000	60.351	80.00- 120.00	100.00
5.930	5.930 (0.736)	52	884041			46.88- 106.88	76.88
42 1-Pentene					CAS #: 109-67-1		
3.718	3.718 (0.461)	55	1671094	50.0000	57.810	80.00- 120.00	100.00(T)
3.718	3.718 (0.461)	42	2323721			109.05- 169.05	139.05
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
44 Ethyl Ether					CAS #: 60-29-7		
4.160	4.160 (0.516)	74	583249	50.0000	59.946	80.00- 120.00	100.00(T)
4.160	4.160 (0.516)	59	970989			136.48- 196.48	166.48
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
53 Iodomethane					CAS #: 74-88-4		
4.852	4.852 (0.602)	142	2263170	50.0000	61.809	80.00- 120.00	100.00
4.852	4.852 (0.602)	127	736950			2.56- 62.56	32.56
58 1-Hexene					CAS #: 592-41-6		
6.041	6.041 (0.750)	55	917372	50.0000	59.673	80.00- 120.00	100.00
6.041	6.041 (0.750)	41	1371767			119.53- 179.53	149.53
6.041	6.041 (0.750)	84	285611			1.13- 61.13	31.13
62 Methyl Acrylate					CAS #: 96-33-3		
7.782	7.782 (0.966)	55	2113269	50.0000	69.116	80.00- 120.00	100.00
7.782	7.782 (0.966)	85	248962			0.00- 41.78	11.78
7.782	7.782 (0.966)	58	173371			0.00- 38.20	8.20
86 2-Pentanone					CAS #: 107-87-9		
10.796	10.796 (1.089)	43	3108347	50.0000	61.631	80.00- 120.00	100.00
10.796	10.796 (1.089)	58	230063			0.00- 37.40	7.40
10.796	10.796 (1.089)	86	387185			0.00- 42.46	12.46
88 Ethyl Acrylate					CAS #: 140-88-5		
10.630	10.630 (1.073)	55	2275853	50.0000	64.746	80.00- 120.00	100.00
10.630	10.630 (1.073)	99	118900			0.00- 35.22	5.22
10.630	10.630 (1.073)	45	227787			0.00- 40.01	10.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
95 Dibromomethane					CAS #: 74-95-3		
11.073	11.073 (1.117)	174	690863	50.0000	55.383	80.00- 120.00	100.00
11.073	11.073 (1.117)	93	798722			85.61- 145.61	115.61
11.073	11.073 (1.117)	95	676977			67.99- 127.99	97.99
96 Methyl Methacrylate					CAS #: 80-62-6		
11.073	11.073 (1.117)	41	1624436	50.0000	64.784	80.00- 120.00	100.00
11.073	11.073 (1.117)	69	794498			18.91- 78.91	48.91
11.073	11.073 (1.117)	100	315312			0.00- 49.41	19.41
112 Alphamethylstyrene					CAS #: 98-83-9		
17.294	17.294 (1.153)	118	1492872	50.0000	67.348	80.00- 120.00	100.00
17.294	17.294 (1.153)	103	857444			27.44- 87.44	57.44
117 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.709	17.709 (1.181)	93	1708054	50.0000	56.728	80.00- 120.00	100.00
17.709	17.709 (1.181)	95	546280			1.98- 61.98	31.98
17.709	17.709 (1.181)	63	1412550			52.70- 112.70	82.70
127 Nonane					CAS #: 111-84-2		
15.331	15.331 (1.022)	43	2857914	50.0000	64.759	80.00- 120.00	100.00
15.331	15.331 (1.022)	57	2251692			48.79- 108.79	78.79
15.331	15.331 (1.022)	85	670075			0.00- 53.45	23.45

QC Flag Legend

T - Target compound detected outside RT window.

Report Date: 20-Nov-2007 15:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111912.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 12:52
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	316018	189611	442425	316018	0.00
92 1,4-Difluorobenze	1167843	700706	1634980	1167843	0.00
125 Chlorobenzene-d5	929517	557710	1301324	929517	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

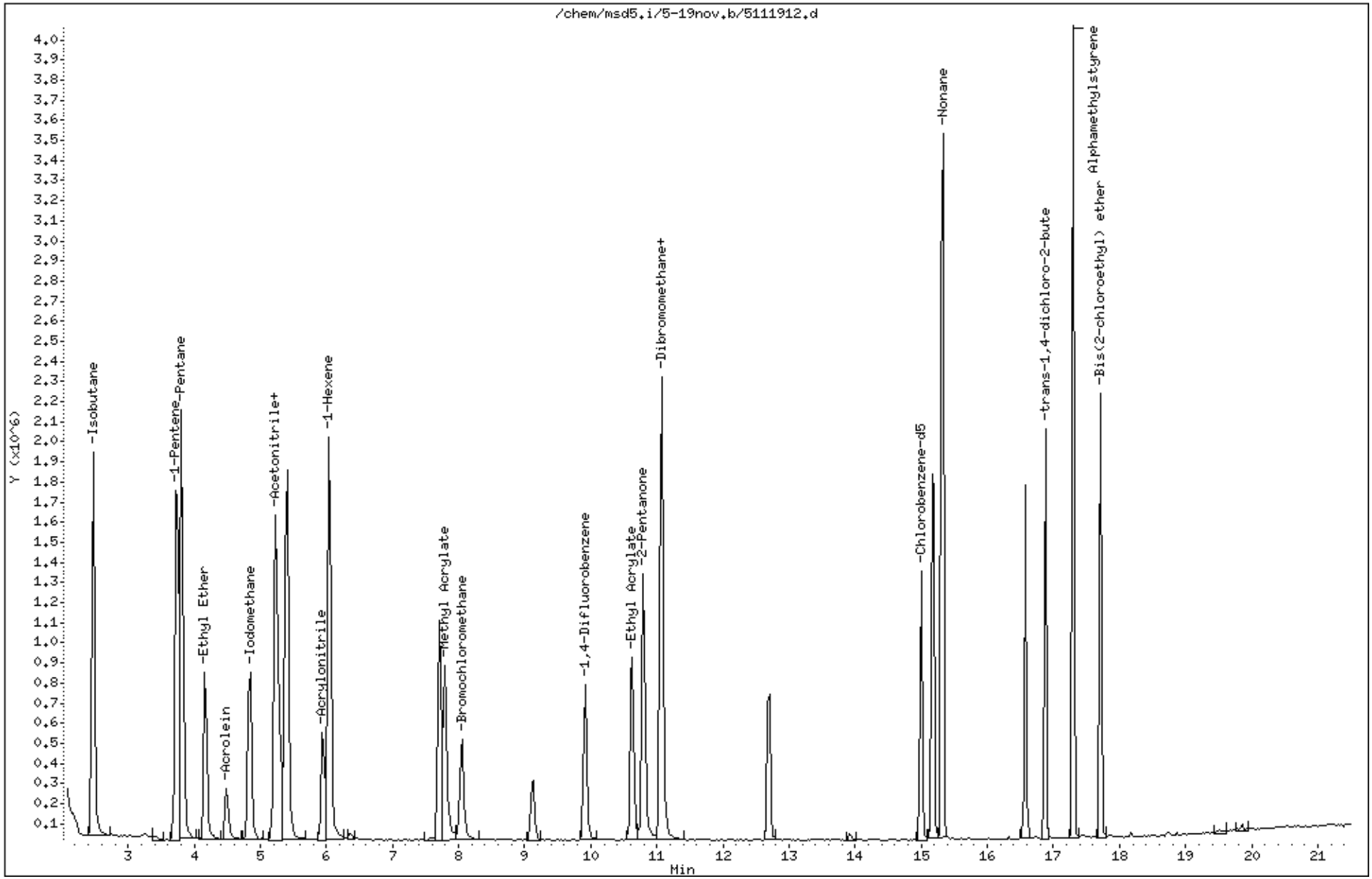
0154

Data File: /chem/msd5.i/5-19nov.b/5111912.d
Date : 19-NOV-2007 12:52
Client ID: Level 5
Sample Info: 50mL #1443-361

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111903.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 19-NOV-2007 02:24
Operator : sjr Inst ID: msd5.i
Smp Info : 50mL #1487-405
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 02:24 Cal File: 5111903.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	320182	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	247757			47.38- 107.38	77.38
8.059	8.059 (1.000)	49	727629			197.25- 257.25	227.25
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1222930	25.0000		80.00- 120.00	100.00
9.911	9.911 (1.000)	88	214130			0.00- 47.51	17.51
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	969063	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	569146			28.73- 88.73	58.73
1 Freon134a					CAS #: 811-97-2		
2.197	2.197 (0.273)	83	725525	50.0000	54.536	80.00- 120.00	100.00
2.335	2.335 (0.290)	69	86258			0.00- 41.89	11.89
3 Freon 152a					CAS #: 75-37-6		
2.280	2.280 (0.283)	65	672942	50.0000	58.047	80.00- 120.00	100.00
2.335	2.335 (0.290)	51	3505165			490.87- 550.87	520.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 22					CAS #: 75-45-6		
2.335	2.335 (0.290)	67	186741	50.0000	49.706	80.00- 120.00	100.00
2.335	2.335 (0.290)	51	3481504			1834.35-1894.35	1864.35
5 Freon142b					CAS #: 75-68-3		
2.557	2.557 (0.317)	65	1425792	50.0000	63.457	80.00- 120.00	100.00
2.529	2.529 (0.314)	45	439299			0.81- 60.81	30.81
16 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.718	3.718 (0.461)	67	1566047	50.0000	55.419	80.00- 120.00	100.00
3.718	3.718 (0.461)	69	474287			0.29- 60.29	30.29
3.773	3.773 (0.468)	35	4459			0.00- 30.28	0.28
22 Freon123a					CAS #: 354-23-4		
4.271	4.271 (0.530)	117	802431	50.0000	51.785	80.00- 120.00	100.00
4.271	4.271 (0.530)	67	1266245			127.80- 187.80	157.80
24 Freon123					CAS #: 306-83-2		
4.409	4.409 (0.547)	83	1635430	50.0000	56.515	80.00- 120.00	100.00
4.409	4.409 (0.547)	133	249822			0.00- 45.28	15.28
4.409	4.409 (0.547)	85	1130542			39.13- 99.13	69.13
37 tert-Butyl-Alcohol					CAS #: 75-65-0		
5.570	5.570 (0.691)	59	871998	50.0000	44.645	80.00- 120.00	100.00
5.570	5.570 (0.691)	41	287836			3.01- 63.01	33.01
5.570	5.570 (0.691)	57	89186			0.00- 40.23	10.23
49 Isopropyl ether					CAS #: 108-20-3		
6.593	6.593 (0.818)	45	4403085	50.0000	58.244	80.00- 120.00	100.00
6.593	6.593 (0.818)	87	831467			0.00- 48.88	18.88
6.593	6.593 (0.818)	59	440147			0.00- 40.00	10.00
57 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
7.202	7.202 (0.894)	59	1932300	50.0000	62.956	80.00- 120.00	100.00
7.202	7.202 (0.894)	87	624017			2.29- 62.29	32.29
7.202	7.202 (0.894)	41	425510			0.00- 52.02	22.02
61 Ethyl Acetate					CAS #: 141-78-6		
7.699	7.699 (0.955)	70	203725	50.0000	59.358	80.00- 120.00	100.00
7.699	7.699 (0.955)	43	2599138			1245.81-1305.81	1275.81
7.699	7.699 (0.955)	61	314227			124.24- 184.24	154.24
64 1-Propanol					CAS #: 71-23-8		
6.815	6.815 (0.846)	42	196110	50.0000	70.686	80.00- 120.00	100.00
6.815	6.815 (0.846)	59	196448			70.17- 130.17	100.17
6.815	6.815 (0.846)	41	119724			31.05- 91.05	61.05

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
76 Isobutanol					CAS #: 78-83-1		
9.082	9.082 (0.916)	43	957047	50.0000	59.454	80.00- 120.00	100.00
9.082	9.082 (0.916)	41	676060			40.64- 100.64	70.64
78 tert-amyl-Methyl Ether					CAS #: 994-05-8		
9.275	9.275 (1.151)	73	1541577	50.0000	60.655	80.00- 120.00	100.00
9.275	9.275 (1.151)	87	383472			0.00- 54.88	24.88
9.275	9.275 (1.151)	55	715772			16.43- 76.43	46.43
118 Butyl Acetate					CAS #: 123-86-4		
14.197	14.197 (1.432)	56	1080669	50.0000	63.411	80.00- 120.00	100.00
14.197	14.197 (1.432)	73	298763			0.00- 57.65	27.65
14.197	14.197 (1.432)	43	2701863			220.02- 280.02	250.02
131 2-Heptanone					CAS #: 110-43-0		
16.077	16.077 (1.072)	58	1533405	50.0000	60.264	80.00- 120.00	100.00
16.077	16.077 (1.072)	43	2665724			143.84- 203.84	173.84
135 Cyclohexanone					CAS #: 108-94-1		
16.520	16.520 (1.101)	55	1376890	50.0000	57.101	80.00- 120.00	100.00
16.520	16.520 (1.101)	98	447407			2.49- 62.49	32.49
16.520	16.520 (1.101)	42	988900			41.82- 101.82	71.82
146 Diisobutyl Ketone					CAS #: 108-83-8		
17.211	17.211 (1.147)	57	3684582	50.0000	56.291	80.00- 120.00	100.00
17.211	17.211 (1.147)	85	2242699			30.87- 90.87	60.87

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111903.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 02:24
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	320182	192109	448255	320182	0.00
92 1,4-Difluorobenze	1222930	733758	1712102	1222930	0.00
125 Chlorobenzene-d5	969063	581438	1356688	969063	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

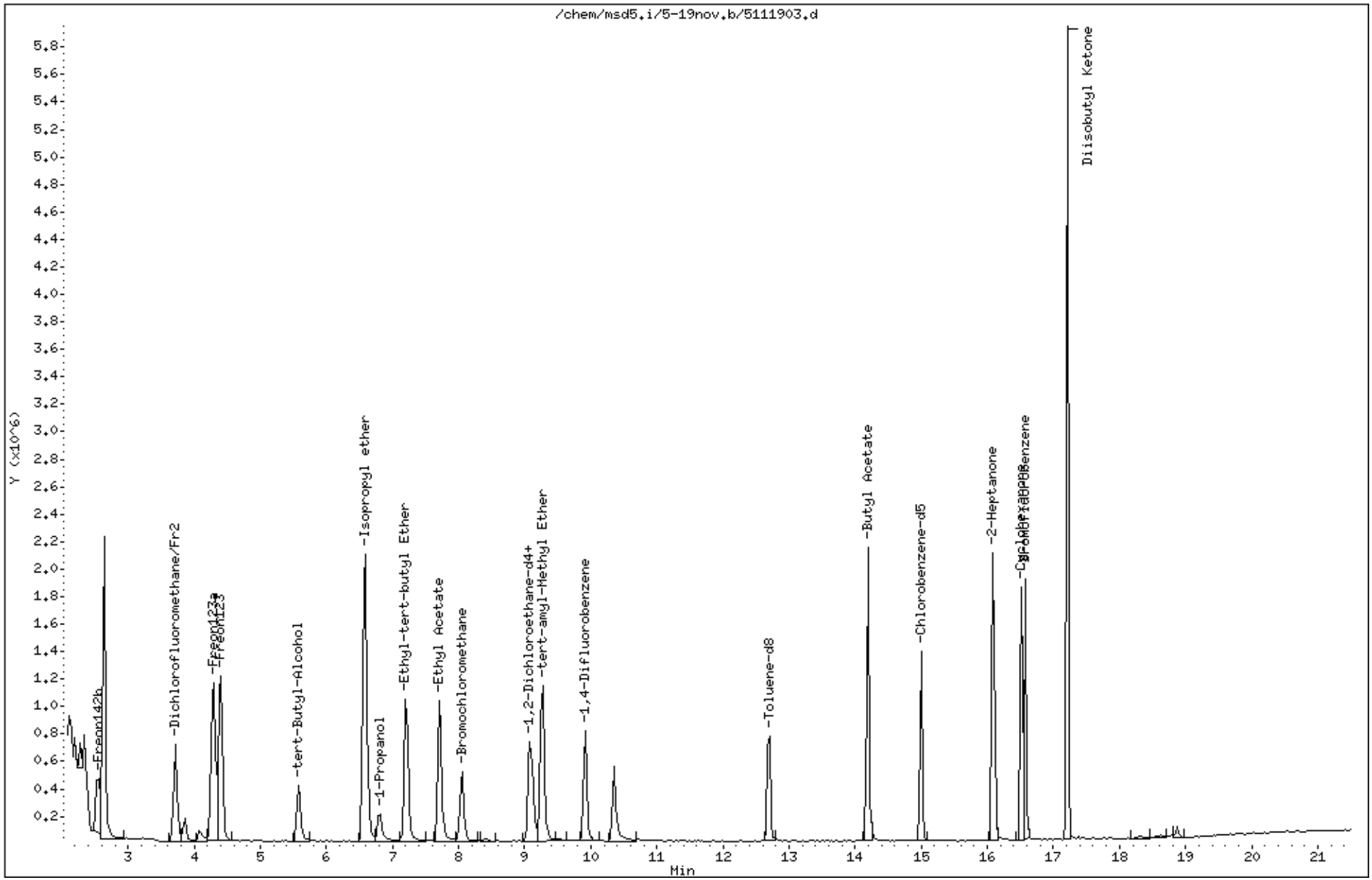
0159

Data File: /chem/msd5.i/5-19nov.b/5111903.d
Date : 19-NOV-2007 02:24
Client ID: Level 5
Sample Info: 50mL #1487-405

Column phase: RTx-624

Instrument: msd5.i

Operator: sjr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111217.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 12-NOV-2007 19:48
Operator : cb Inst ID: msd5.i
Smp Info : 50mL #1487-404
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:25 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 19:48 Cal File: 5111217.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	345466	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	268730			47.79- 107.79	77.79
8.031	8.031 (1.000)	49	746996			186.23- 246.23	216.23
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1312181	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	210064			0.00- 46.01	16.01
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1008754	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	607985			30.27- 90.27	60.27
33 Methyl Acetate					CAS #: 79-20-9		
5.211	5.211 (0.647)	43	3002789	50.0000	58.786	80.00- 120.00	100.00
5.211	5.211 (0.647)	74	493386			0.00- 46.43	16.43
5.211	5.211 (0.647)	59	206971			0.00- 36.89	6.89
52 Chloroprene					CAS #: 126-99-8		
6.677	6.677 (0.828)	53	2405354	50.0000	58.823	80.00- 120.00	100.00

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	============	=====
52 Chloroprene (continued)							
6.677	6.677 (0.828)	88	1024721			12.60- 72.60	42.60
6.677	6.677 (0.828)	50	551998			0.00- 52.95	22.95
59 1,3-Dichloropropane					CAS #: 142-28-9		
13.893	13.893 (1.402)	76	1453809	50.0000	58.082	80.00- 120.00	100.00
13.893	13.893 (1.402)	41	1436383			68.80- 128.80	98.80
13.893	13.893 (1.402)	78	465938			2.05- 62.05	32.05
60 2,2-Dichloropropane					CAS #: 594-20-7		
7.561	7.561 (0.938)	77	1380807	50.0000	57.766	80.00- 120.00	100.00
7.561	7.561 (0.938)	79	453796			2.86- 62.86	32.86
7.561	7.561 (0.938)	97	311903			0.00- 52.59	22.59
73 1,1-Dichloropropene					CAS #: 563-58-6		
8.723	8.723 (1.082)	110	527576	50.0000	57.969	80.00- 120.00	100.00
8.723	8.723 (1.082)	75	1429533			240.96- 300.96	270.96
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
15.193	15.193 (1.013)	131	1054297	50.0000	58.469	80.00- 120.00	100.00
15.193	15.193 (1.013)	117	721225			38.41- 98.41	68.41
15.165	15.165 (1.011)	95	427459			10.54- 70.54	40.54
137 Bromobenzene					CAS #: 108-86-1		
16.741	16.741 (1.116)	156	1300604	50.0000	58.297	80.00- 120.00	100.00
16.741	16.741 (1.116)	77	2361550			151.57- 211.57	181.57
16.741	16.741 (1.116)	158	1239903			65.33- 125.33	95.33
139 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.852	16.852 (1.123)	110	696512	50.0000	56.901	80.00- 120.00	100.00
16.852	16.852 (1.123)	61	577248			52.88- 112.88	82.88
16.852	16.852 (1.123)	112	428340			31.50- 91.50	61.50
140 2-Chlorotoluene					CAS #: 95-49-8		
16.962	16.962 (1.131)	126	1106391	50.0000	59.165	80.00- 120.00	100.00
16.962	16.962 (1.131)	91	3514345			287.64- 347.64	317.64
16.962	16.962 (1.131)	65	354394			2.03- 62.03	32.03
143 4-Chlorotoluene					CAS #: 106-43-4		
17.100	17.100 (1.140)	126	1096512	50.0000	57.144	80.00- 120.00	100.00
17.100	17.100 (1.140)	91	3485044			287.83- 347.83	317.83
17.100	17.100 (1.140)	63	442755			10.38- 70.38	40.38
149 tert-Butylbenzene					CAS #: 98-06-6		
17.377	17.377 (1.159)	119	4280060	50.0000	55.137	80.00- 120.00	100.00
17.377	17.377 (1.159)	134	1013841			0.00- 53.69	23.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
149 tert-Butylbenzene (continued)							
17.377	17.377 (1.159)	91	2758688			34.45- 94.45	64.45
150 Pentachloroethane					CAS #: 76-01-7		
17.460	17.460 (1.164)	167	794680	50.0000	58.289	80.00- 120.00	100.00
17.432	17.432 (1.162)	117	894688			82.58- 142.58	112.58
151 sec-Butylbenzene					CAS #: 135-98-8		
17.598	17.598 (1.173)	105	5449977	50.0000	59.146	80.00- 120.00	100.00
17.598	17.598 (1.173)	134	1039049			0.00- 49.07	19.07
17.598	17.598 (1.173)	91	915072			0.00- 46.79	16.79
153 p-Cymene					CAS #: 99-87-6		
17.764	17.764 (1.184)	134	1136321	50.0000	56.976	80.00- 120.00	100.00
17.764	17.764 (1.184)	119	4217404			341.15- 401.15	371.15
17.764	17.764 (1.184)	91	1020158			59.78- 119.78	89.78
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.875	17.875 (1.192)	120	1673326	50.0000	58.418	80.00- 120.00	100.00
17.875	17.875 (1.192)	105	3804482			197.36- 257.36	227.36
17.875	17.875 (1.192)	77	419654			0.00- 55.08	25.08
158 Butylbenzene					CAS #: 104-51-8		
18.151	18.151 (1.210)	134	1017669	50.0000	56.589	80.00- 120.00	100.00
18.123	18.123 (1.208)	91	4313119			393.82- 453.82	423.82
18.123	18.123 (1.208)	92	2356714			201.58- 261.58	231.58
160 Hexachloroethane					CAS #: 67-72-1		
18.372	18.372 (1.225)	117	1526467	50.0000	57.384	80.00- 120.00	100.00
18.400	18.400 (1.227)	201	960023			32.89- 92.89	62.89
	Sum of Peak Amounts =		57.4				
161 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.870	18.870 (1.258)	157	1023062	50.0000	55.695	80.00- 120.00	100.00
18.870	18.870 (1.258)	75	1253152			92.49- 152.49	122.49
18.870	18.870 (1.258)	155	805144			48.70- 108.70	78.70
166 1,2,3-Trichlorobenzene					CAS #: 87-61-6		
19.865	19.865 (1.324)	180	2109836	50.0000	53.002	80.00- 120.00	100.00
19.865	19.865 (1.324)	182	1992366			64.43- 124.43	94.43
19.865	19.865 (1.324)	145	683997			2.42- 62.42	32.42
192 Cyclopentene					CAS #: 142-29-0		
5.239	5.239 (0.650)	67	2884987	50.0000	57.822	80.00- 120.00	100.00
5.239	5.239 (0.650)	68	1097704			8.05- 68.05	38.05
5.239	5.239 (0.650)	53	689669			0.00- 53.91	23.91

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111217.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 19:48
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	345466	207280	483652	345466	0.00
92 1,4-Difluorobenze	1312181	787309	1837053	1312181	0.00
125 Chlorobenzene-d5	1008754	605252	1412256	1008754	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

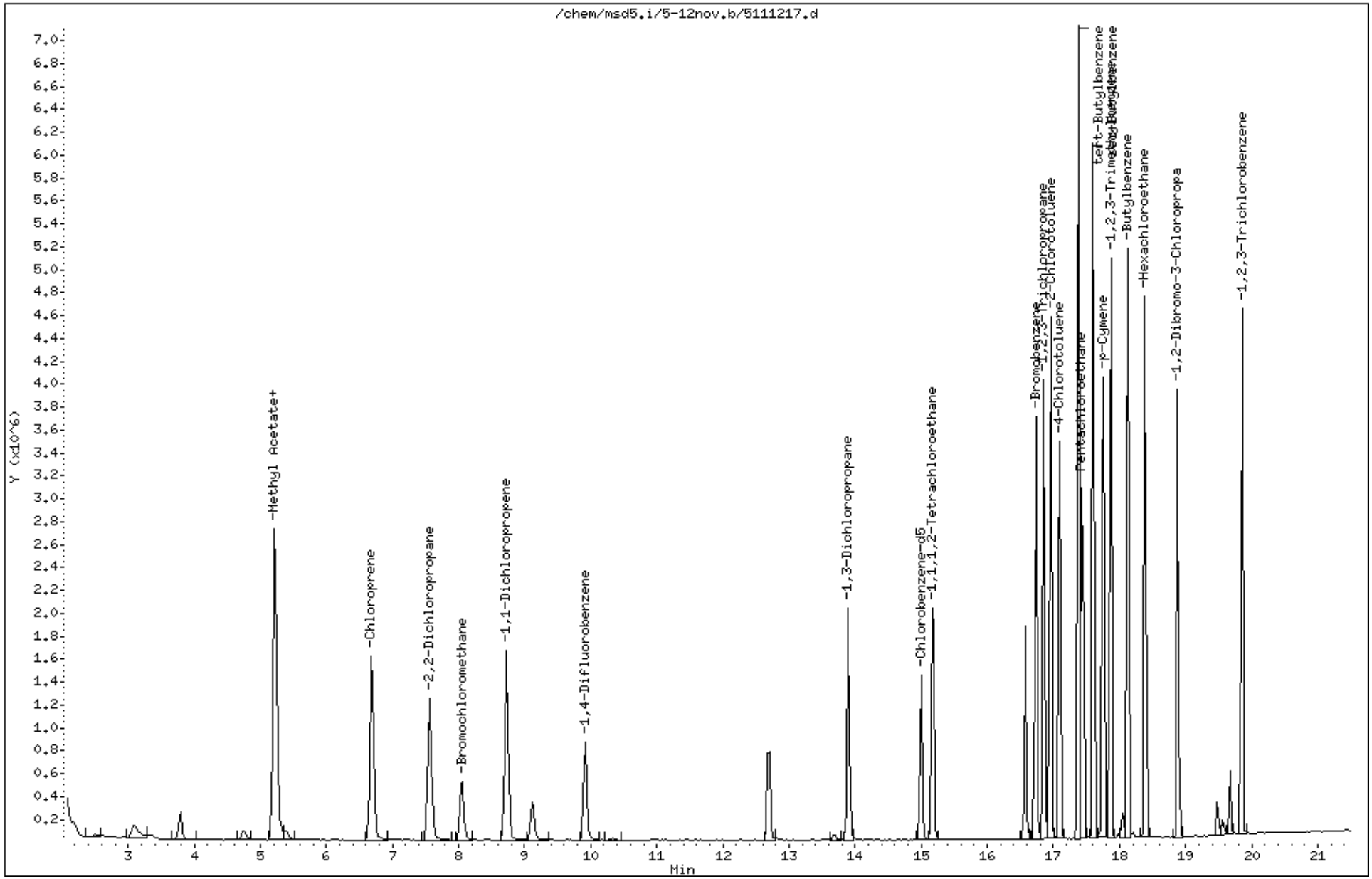
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0164

Data File: /chem/msd5.i/5-12nov.b/5111217.d
Date : 12-NOV-2007 19:48
Client ID: Level 5
Sample Info: 50mL #1487-404

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111211.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 12-NOV-2007 15:12
Operator : cb Inst ID: msd5.i
Smp Info : 50mL #1576-89
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 15:12 Cal File: 5111211.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	355243	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	258473			42.76- 102.76	72.76
8.059	8.059 (1.000)	49	721775			173.18- 233.18	203.18
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1306915	25.0000		80.00- 120.00	100.00
9.911	9.911 (1.000)	88	214533			0.00- 46.42	16.42
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1023463	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	610449			29.65- 89.65	59.65
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	493461	25.0000	23.207	80.00- 120.00	100.00
9.110	9.110 (1.130)	67	285594			27.88- 87.88	57.88
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1175775	25.0000	25.482	80.00- 120.00	100.00
12.676	12.676 (1.279)	70	120943			0.00- 40.29	10.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	797977			37.87- 97.87	67.87
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	601379	25.0000	25.183	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	954444			128.71- 188.71	158.71
16.575	16.575 (1.105)	176	590897			68.26- 128.26	98.26
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	1312675	50.0000	52.940	80.00- 120.00	100.00
2.280	2.280 (0.283)	42	859227			35.46- 95.46	65.46
2.280	2.280 (0.283)	39	905799			39.00- 99.00	69.00
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	2175989	50.0000	51.803	80.00- 120.00	100.00
2.336	2.336 (0.290)	87	699568			2.15- 62.15	32.15
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	2044251	50.0000	53.326	80.00- 120.00	100.00
2.474	2.474 (0.307)	137	660064			2.29- 62.29	32.29
10 Chloromethane					CAS #: 74-87-3		
2.584	2.584 (0.321)	50	1669546	50.0000	52.932	80.00- 120.00	100.00
2.584	2.584 (0.321)	52	492673			0.00- 59.51	29.51
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	1641494	50.0000	54.070	80.00- 120.00	100.00
2.778	2.778 (0.345)	64	510794			1.12- 61.12	31.12
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	1448503	50.0000	55.867	80.00- 120.00	100.00
2.750	2.750 (0.341)	39	1594739			80.10- 140.10	110.10
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	1074369	50.0000	54.816	80.00- 120.00	100.00
3.276	3.276 (0.406)	96	1021436			65.07- 125.07	95.07
19 Chloroethane					CAS #: 75-00-3		
3.386	3.386 (0.420)	64	777558	50.0000	50.352	80.00- 120.00	100.00
3.386	3.386 (0.420)	49	221791			0.00- 58.52	28.52
3.386	3.386 (0.420)	66	235947			0.34- 60.34	30.34
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	2486676	50.0000	54.298	80.00- 120.00	100.00
3.718	3.718 (0.461)	103	1605442			34.56- 94.56	64.56

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.077	4.077 (0.506)	45	545546	50.0000	54.833	80.00- 120.00	100.00
4.077	4.077 (0.506)	43	108744			0.00- 49.93	19.93
4.077	4.077 (0.506)	46	228599			11.90- 71.90	41.90
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	1493574	50.0000	52.450	80.00- 120.00	100.00
4.520	4.520 (0.561)	153	947418			33.43- 93.43	63.43
4.520	4.520 (0.561)	101	2068318			108.48- 168.48	138.48
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	2031999	50.0000	53.917	80.00- 120.00	100.00
4.575	4.575 (0.568)	96	1160823			27.13- 87.13	57.13
4.575	4.575 (0.568)	98	723443			5.60- 65.60	35.60
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	772213	50.0000	54.781	80.00- 120.00	100.00
4.713	4.713 (0.585)	43	2262129			262.94- 322.94	292.94
36 2-Propanol					CAS #: 67-63-0		
4.907	4.907 (0.609)	45	2701635	50.0000	53.853	80.00- 120.00	100.00
4.907	4.907 (0.609)	43	607237			0.00- 52.48	22.48
4.907	4.907 (0.609)	59	97529			0.00- 33.61	3.61
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	3530562	50.0000	55.319	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.183 (0.643)	76	580717	50.0000	54.648	80.00- 120.00	100.00
5.183	5.183 (0.643)	41	2113664			333.97- 393.97	363.97
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	1689054	50.0000	52.414	80.00- 120.00	100.00
5.432	5.432 (0.674)	84	1010161			29.81- 89.81	59.81
5.432	5.432 (0.674)	51	516265			0.57- 60.57	30.57
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	1217142	50.0000	50.174	80.00- 120.00	100.00
5.764	5.764 (0.715)	57	385552			1.68- 61.68	31.68
5.764	5.764 (0.715)	41	417118			4.27- 64.27	34.27
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	1256929	50.0000	55.069	80.00- 120.00	100.00
5.819	5.819 (0.722)	61	2056986			133.65- 193.65	163.65
5.819	5.819 (0.722)	98	806007			34.13- 94.13	64.13

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	2567435	50.0000	55.316	80.00- 120.00	100.00
6.151	6.151 (0.763)	43	1763419			38.68- 98.68	68.68
6.151	6.151 (0.763)	86	368536			0.00- 44.35	14.35
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	2257850	50.0000	54.634	80.00- 120.00	100.00
6.594	6.594 (0.818)	65	689178			0.52- 60.52	30.52
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	558891	50.0000	56.036	80.00- 120.00	100.00
7.644	7.644 (0.949)	43	3165141			536.33- 596.33	566.33
7.644	7.644 (0.949)	57	216333			8.71- 68.71	38.71
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	1659102	50.0000	53.468	80.00- 120.00	100.00
7.617	7.617 (0.945)	96	1120921			37.56- 97.56	67.56
7.617	7.617 (0.945)	98	738627			14.52- 74.52	44.52
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	1896605	50.0000	51.073	80.00- 120.00	100.00
8.031	8.031 (0.997)	71	488200			0.00- 55.74	25.74
8.031	8.031 (0.997)	72	523776			0.00- 57.62	27.62
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1918915	50.0000	54.803	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1250945			35.19- 95.19	65.19
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.418	8.418 (1.045)	97	1907795	50.0000	54.509	80.00- 120.00	100.00
8.418	8.418 (1.045)	99	1202373			33.02- 93.02	63.02
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	1555633	50.0000	55.173	80.00- 120.00	100.00
8.391	8.391 (1.041)	56	2428435			126.11- 186.11	156.11
8.391	8.391 (1.041)	41	1335097			55.82- 115.82	85.82
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.649 (0.825)	86	286552	50.0000	54.732	80.00- 120.00	100.00
6.649	6.649 (0.825)	43	3665493			1249.17-1309.17	1279.17
6.649	6.649 (0.825)	42	271666			64.81- 124.81	94.81
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1598598	50.0000	55.319	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1694265			75.98- 135.98	105.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	7055970	50.0000	55.441	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	2339543			3.16- 63.16	33.16
9.110	9.110 (1.130)	41	1821506			0.00- 55.82	25.82
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	3180389	50.0000	56.459	80.00- 120.00	100.00
9.082	9.082 (0.916)	77	713793			0.00- 52.44	22.44
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.275	9.275 (0.936)	62	1424249	50.0000	55.189	80.00- 120.00	100.00
9.275	9.275 (0.936)	64	475387			3.38- 63.38	33.38
90 Heptane					CAS #: 142-82-5		
9.469	9.469 (0.955)	100	372161	50.0000	59.150	80.00- 120.00	100.00
9.469	9.469 (0.955)	43	2908022			751.39- 811.39	781.39
9.469	9.469 (0.955)	71	1125638			272.46- 332.46	302.46
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	1232331	50.0000	53.936	80.00- 120.00	100.00
10.326	10.326 (1.042)	130	1164486			64.49- 124.49	94.49
10.326	10.326 (1.042)	97	797550			34.72- 94.72	64.72
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	1211107	50.0000	54.671	80.00- 120.00	100.00
10.824	10.824 (1.092)	62	836213			39.05- 99.05	69.05
10.824	10.824 (1.092)	41	807190			36.65- 96.65	66.65
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	708188	50.0000	55.044	80.00- 120.00	100.00
11.073	11.073 (1.117)	58	651545			62.00- 122.00	92.00
11.073	11.073 (1.117)	57	203324			0.00- 58.71	28.71
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1775227	50.0000	55.572	80.00- 120.00	100.00
11.405	11.405 (1.151)	85	1148990			34.72- 94.72	64.72
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1313299	50.0000	58.006	80.00- 120.00	100.00
12.317	12.317 (1.243)	77	397718			0.28- 60.28	30.28
12.317	12.317 (1.243)	39	962609			43.30- 103.30	73.30
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.593 (1.271)	58	1089972	50.0000	59.062	80.00- 120.00	100.00
12.593	12.593 (1.271)	43	3042244			249.11- 309.11	279.11
12.593	12.593 (1.271)	85	356294			2.69- 62.69	32.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	3149555	50.0000	54.198	80.00- 120.00	100.00
12.815	12.815 (1.293)	92	1878571			29.65- 89.65	59.65
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1282039	50.0000	59.291	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	409698			1.96- 61.96	31.96
13.368	13.368 (0.891)	39	882256			38.82- 98.82	68.82
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	1060223	50.0000	54.967	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	674672			33.63- 93.63	63.63
13.644	13.644 (0.910)	83	908942			55.73- 115.73	85.73
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	1227356	50.0000	54.744	80.00- 120.00	100.00
13.699	13.699 (0.913)	129	984805			50.24- 110.24	80.24
13.699	13.699 (0.913)	131	962472			48.42- 108.42	78.42
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	1509153	50.0000	56.088	80.00- 120.00	100.00
14.004	14.004 (0.934)	43	2997890			168.65- 228.65	198.65
14.031	14.031 (0.935)	100	225645			0.00- 44.95	14.95
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1545103	50.0000	57.250	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1216596			48.74- 108.74	78.74
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1614283	50.0000	57.095	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1513177			63.74- 123.74	93.74
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	2422375	50.0000	55.002	80.00- 120.00	100.00
15.027	15.027 (1.002)	114	770695			1.82- 61.82	31.82
15.027	15.027 (1.002)	77	1496728			31.79- 91.79	61.79
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1368971	50.0000	57.535	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	4502915			298.93- 358.93	328.93
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1683589	50.0000	57.610	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	3631728			185.71- 245.71	215.71
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1561970	50.0000	56.206	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	3522055			195.49- 255.49	225.49
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	2483828	50.0000	60.620	80.00- 120.00	100.00
15.911	15.911 (1.061)	78	1301372			22.39- 82.39	52.39
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1400605	50.0000	58.234	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	717301			21.21- 81.21	51.21
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	2360572	50.0000	56.324	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1502138			33.63- 93.63	63.63
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	4900605	50.0000	59.766	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1443784			0.00- 59.46	29.46
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	4416287	50.0000	59.587	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	2089426			17.31- 77.31	47.31
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3716466	50.0000	59.111	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1713727			16.11- 76.11	46.11
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2443521	50.0000	54.898	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1563539			33.99- 93.99	63.99
17.764	17.764 (1.184)	111	1008640			11.28- 71.28	41.28
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	2963344	50.0000	56.806	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1875291			33.28- 93.28	63.28
17.847	17.847 (1.190)	111	1248063			12.12- 72.12	42.12
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	4486516	50.0000	68.302	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	846690			0.00- 48.87	18.87
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2492645	50.0000	53.244	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1561440			32.64- 92.64	62.64
18.206	18.206 (1.214)	111	1035282			11.53- 71.53	41.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1744262	50.0000	52.490	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1638315			63.93- 123.93	93.93
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1242599	50.0000	53.225	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	778986			32.69- 92.69	62.69
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	5828519	50.0000	60.396	80.00- 120.00	100.00
16.824	16.824 (1.122)	120	1254651			0.00- 51.53	21.53
16.824	16.824 (1.122)	105	202539			0.00- 33.47	3.47
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	4756734	50.0000	56.452	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1291385			0.00- 57.15	27.15
16.326	16.326 (1.088)	51	661182			0.00- 43.90	13.90
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	6436561	50.0000	58.157	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	794729			0.00- 42.35	12.35
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	2293671	50.0000	52.156	80.00- 120.00	100.00
3.414	3.414 (0.424)	57	1474529			34.29- 94.29	64.29
3.414	3.414 (0.424)	72	150731			0.00- 36.57	6.57
11 Butane					CAS #: 106-97-8		
2.667	2.667 (0.331)	58	391826	50.0000	52.258	80.00- 120.00	100.00
2.667	2.667 (0.331)	43	2841502			695.19- 755.19	725.19
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	1820696	50.0000	55.960	80.00- 120.00	100.00
10.547	10.547 (1.064)	98	909326			19.94- 79.94	49.94
10.547	10.547 (1.064)	55	1974573			78.45- 138.45	108.45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111211.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	355243	0.00
92 1,4-Difluorobenze	1306915	784149	1829681	1306915	0.00
125 Chlorobenzene-d5	1023463	614078	1432848	1023463	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

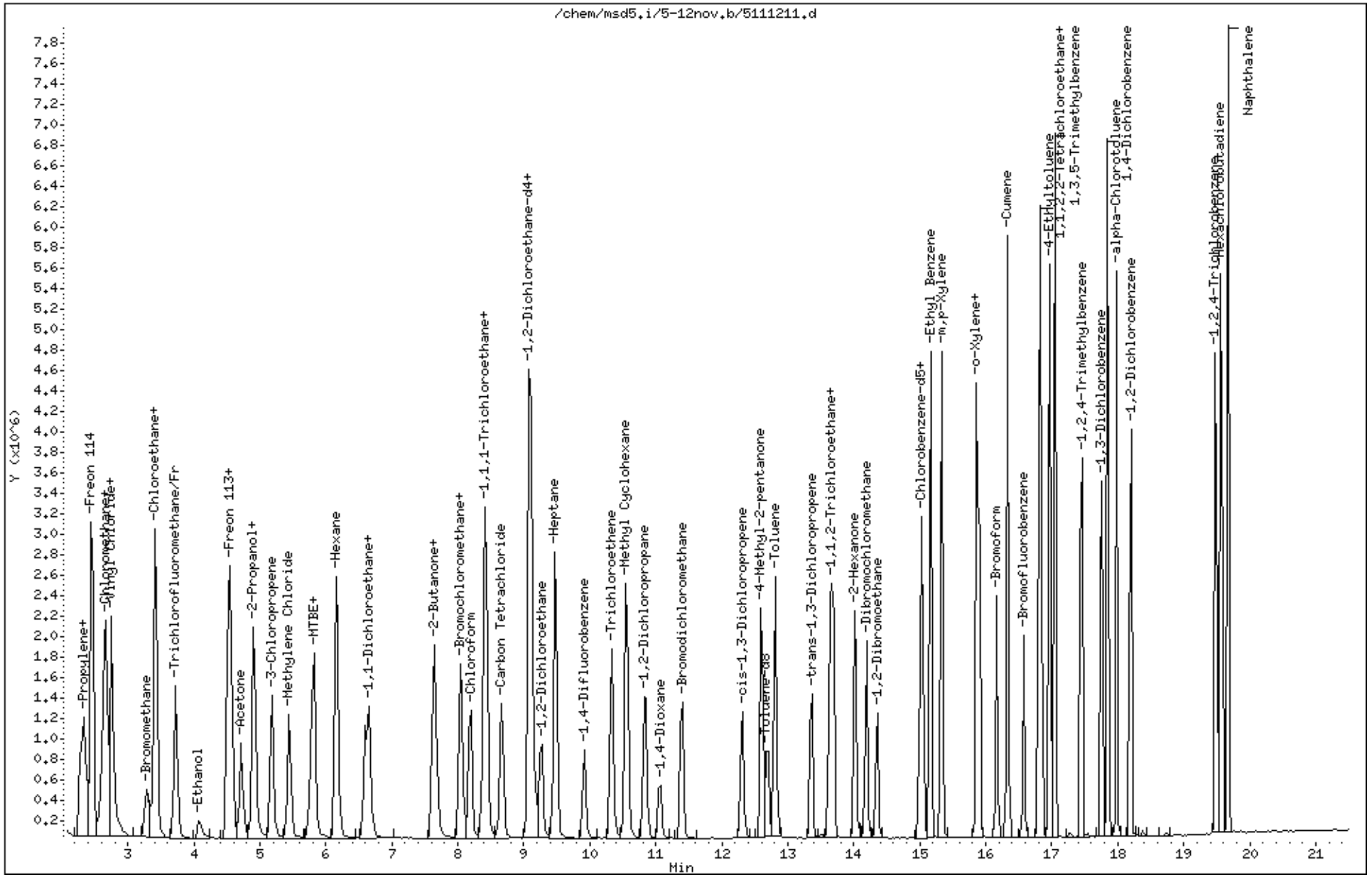
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0174

Data File: /chem/msd5.i/5-12nov.b/5111211.d
Date : 12-NOV-2007 15:12
Client ID: Level 5
Sample Info: 50mL #1576-89

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111212.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 12-NOV-2007 15:41
Operator : cb Inst ID: msd5.i
Smp Info : 100mL #1576-89
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 15:41 Cal File: 5111212.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	362309	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	281606			42.76- 102.76	77.73
8.059	8.059 (1.000)	49	764495			173.18- 233.18	211.01
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1394945	25.0000		70.00- 130.00	100.00
9.911	9.911 (1.000)	88	227570			0.00- 46.42	16.31
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1101731	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	629454			0.00- 30.00	57.13
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	556149	25.0000	25.645	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	330557			0.00- 30.00	59.44
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1217578	25.0000	24.723	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	125916			0.00- 30.00	10.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	850099			0.00- 30.00	69.82
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	629857	25.0000	24.502	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	1021545			128.71- 188.71	162.19
16.575	16.575 (1.105)	176	610035			68.26- 128.26	96.85
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	2591741	100.000	102.48	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	1728444			0.00- 30.00	66.69
2.280	2.280 (0.283)	39	1780659			0.00- 30.00	68.71
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.335	2.335 (0.290)	85	4936969	100.000	115.24	70.00- 130.00	100.00
2.335	2.335 (0.290)	87	1597861			0.00- 30.00	32.37
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	4042630	100.000	103.40	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	1282118			2.29- 62.29	31.71
10 Chloromethane					CAS #: 74-87-3		
2.612	2.612 (0.324)	50	3405993	100.000	105.88	70.00- 130.00	100.00
2.612	2.612 (0.324)	52	1041620			0.00- 30.00	30.58
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	3220830	100.000	104.02	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	1008251			0.00- 30.00	31.30
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	2935038	100.000	110.99	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	2947538			0.00- 30.00	100.43
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	2153199	100.000	107.72	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	2023282			65.07- 125.07	93.97
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	1565896	100.000	99.424	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	445169			0.00- 30.00	28.43
3.414	3.414 (0.424)	66	461281			0.00- 30.00	29.46
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	4911495	100.000	105.15	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	3183710			34.56- 94.56	64.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.105	4.105 (0.509)	45	1045340	100.000	103.02	70.00- 130.00	100.00
4.077	4.077 (0.506)	43	190328			0.00- 30.00	18.21
4.105	4.105 (0.509)	46	413290			0.00- 30.00	39.54
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	3009266	100.000	103.61	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	1866918			33.43- 93.43	62.04
4.520	4.520 (0.561)	101	4188633			108.48- 168.48	139.19
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	4078882	100.000	106.12	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	2277835			27.13- 87.13	55.84
4.575	4.575 (0.568)	98	1453379			5.60- 65.60	35.63
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	1567044	100.000	109.00	70.00- 130.00	100.00
4.713	4.713 (0.585)	43	4681900			0.00- 30.00	298.77
36 2-Propanol					CAS #: 67-63-0		
4.907	4.907 (0.609)	45	5612024	100.000	109.69	70.00- 130.00	100.00
4.907	4.907 (0.609)	43	1154075			0.00- 30.00	20.56
4.935	4.935 (0.612)	59	198977			0.00- 30.00	3.55
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	7167211	100.000	110.11	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.183 (0.643)	76	1153842	100.000	106.46	70.00- 130.00	100.00
5.183	5.183 (0.643)	41	4405012			0.00- 30.00	381.77
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	3421033	100.000	104.09	70.00- 130.00	100.00
5.460	5.460 (0.677)	84	1995352			29.81- 89.81	58.33
5.432	5.432 (0.674)	51	1046132			0.00- 30.00	30.58
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	2289440	100.000	92.537	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	733908			1.68- 61.68	32.06
5.764	5.764 (0.715)	41	781870			0.00- 30.00	34.15
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	2568670	100.000	110.34	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	4104175			133.65- 193.65	159.78
5.819	5.819 (0.722)	98	1632808			0.00- 30.00	63.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	5269145	100.000	111.31	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	3621749			0.00- 30.00	68.74
6.151	6.151 (0.763)	86	743039			0.00- 30.00	14.10
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.593	6.593 (0.818)	63	4598639	100.000	109.10	70.00- 130.00	100.00
6.593	6.593 (0.818)	65	1401480			0.52- 60.52	30.48
67 2-Butanone					CAS #: 78-93-3		
7.644	7.644 (0.949)	72	1140456	100.000	112.12	70.00- 130.00	100.00
7.644	7.644 (0.949)	43	6545068			536.33- 596.33	573.90
7.644	7.644 (0.949)	57	442595			0.00- 30.00	38.81
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	3372749	100.000	106.57	70.00- 130.00	100.00
7.617	7.617 (0.945)	96	2273619			37.56- 97.56	67.41
7.617	7.617 (0.945)	98	1458637			14.52- 74.52	43.25
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	3862336	100.000	101.98	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	1005813			0.00- 55.74	26.04
8.031	8.031 (0.997)	72	1059045			0.00- 30.00	27.42
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	3865056	100.000	108.23	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	2482837			35.19- 95.19	64.24
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	3815620	100.000	106.89	70.00- 130.00	100.00
8.418	8.418 (1.045)	99	2483612			33.02- 93.02	65.09
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	3142908	100.000	109.30	70.00- 130.00	100.00
8.418	8.418 (1.045)	56	5009806			126.11- 186.11	159.40
8.391	8.391 (1.041)	41	2756840			55.82- 115.82	87.72
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.649 (0.825)	86	618984	100.000	115.92	70.00- 130.00	100.00
6.649	6.649 (0.825)	43	7909568			0.00- 30.00	1277.83
6.649	6.649 (0.825)	42	576336			0.00- 30.00	93.11
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	3324674	100.000	112.80	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	3444612			75.98- 135.98	103.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	14667384	100.000	113.00	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	4774429			0.00- 30.00	32.55
9.110	9.110 (1.130)	41	3713992			0.00- 30.00	25.32
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	6443717	100.000	107.17	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	1479096			0.00- 30.00	22.95
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.275	9.275 (0.936)	62	2980908	100.000	108.22	70.00- 130.00	100.00
9.275	9.275 (0.936)	64	935537			0.00- 30.00	31.38
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	768289	100.000	114.40	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	5921486			0.00- 30.00	770.74
9.469	9.469 (0.955)	71	2319652			0.00- 30.00	301.92
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	2531522	100.000	103.80	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	2370571			64.49- 124.49	93.64
10.326	10.326 (1.042)	97	1632142			34.72- 94.72	64.47
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.851	10.851 (1.095)	63	2444067	100.000	103.36	70.00- 130.00	100.00
10.851	10.851 (1.095)	62	1742633			39.05- 99.05	71.30
10.824	10.824 (1.092)	41	1706739			36.65- 96.65	69.83
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	1444101	100.000	105.16	70.00- 130.00	100.00
11.045	11.045 (1.114)	58	1358709			62.00- 122.00	94.09
11.045	11.045 (1.114)	57	421008			0.00- 30.00	29.15
100 Bromodichloromethane					CAS #: 75-27-4		
11.404	11.404 (1.151)	83	3686686	100.000	108.12	70.00- 130.00	100.00
11.404	11.404 (1.151)	85	2353475			34.72- 94.72	63.84
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	2762200	100.000	114.30	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	825604			0.28- 60.28	29.89
12.289	12.289 (1.240)	39	1995795			43.30- 103.30	72.25
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.593 (1.271)	58	2267876	100.000	115.13	70.00- 130.00	100.00
12.593	12.593 (1.271)	43	6376954			0.00- 30.00	281.19
12.593	12.593 (1.271)	85	737054			0.00- 30.00	32.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	6367014	100.000	102.65	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	3757228			29.65- 89.65	59.01
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	2753871	100.000	118.31	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	862721			1.96- 61.96	31.33
13.340	13.340 (0.889)	39	1883829			38.82- 98.82	68.41
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	2175838	100.000	104.79	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	1345223			33.63- 93.63	61.83
13.644	13.644 (0.910)	83	1807881			55.73- 115.73	83.09
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	2471030	100.000	102.39	70.00- 130.00	100.00
13.699	13.699 (0.913)	129	1991710			50.24- 110.24	80.60
13.699	13.699 (0.913)	131	1942785			48.42- 108.42	78.62
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	3181008	100.000	109.82	70.00- 130.00	100.00
14.004	14.004 (0.934)	43	6436176			168.65- 228.65	202.33
14.031	14.031 (0.935)	100	503002			0.00- 30.00	15.81
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	3253162	100.000	111.97	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	2514914			0.00- 30.00	77.31
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	3320619	100.000	109.10	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	3107302			63.74- 123.74	93.58
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	4886903	100.000	103.08	70.00- 130.00	100.00
15.027	15.027 (1.002)	114	1546858			1.82- 61.82	31.65
15.027	15.027 (1.002)	77	3017918			31.79- 91.79	61.76
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	2675495	100.000	104.46	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	9072718			0.00- 30.00	339.10
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	3435495	100.000	109.20	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	7334004			0.00- 30.00	213.48
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	3218448	100.000	107.58	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	7280732			195.49- 255.49	226.22
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	5132999	100.000	116.38	70.00- 130.00	100.00
15.911	15.911 (1.061)	78	2701016			22.39- 82.39	52.62
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	2829830	100.000	109.30	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	1476899			21.21- 81.21	52.19
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	4764204	100.000	105.60	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	3047016			33.63- 93.63	63.96
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	10073530	100.000	114.13	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	2874204			0.00- 59.46	28.53
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	9098092	100.000	114.04	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	4188565			0.00- 30.00	46.04
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	7592274	100.000	112.18	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	3445930			16.11- 76.11	45.39
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	4936158	100.000	103.02	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	3149621			0.00- 30.00	63.81
17.764	17.764 (1.184)	111	2021086			0.00- 30.00	40.94
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	6039588	100.000	107.55	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	3761986			0.00- 30.00	62.29
17.847	17.847 (1.190)	111	2601264			0.00- 30.00	43.07
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	9864888	100.000	139.51	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	1849741			0.00- 30.00	18.75
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	5182397	100.000	102.84	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	3320571			32.64- 92.64	64.07
18.206	18.206 (1.214)	111	2125741			11.53- 71.53	41.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	3562078	100.000	99.579	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	3343294			63.93- 123.93	93.86
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	2481075	100.000	98.724	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	1537358			32.69- 92.69	61.96
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	11634048	100.000	111.99	70.00- 130.00	100.00
16.824	16.824 (1.122)	120	2469759			0.00- 30.00	21.23
16.824	16.824 (1.122)	105	398750			0.00- 30.00	3.43
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	9672736	100.000	106.64	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	2545654			0.00- 30.00	26.32
16.326	16.326 (1.088)	51	1381671			0.00- 30.00	14.28
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	13517916	100.000	113.46	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	1684760			0.00- 30.00	12.46
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	4628579	100.000	103.20	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	2949004			0.00- 30.00	63.71
3.414	3.414 (0.424)	72	289136			0.00- 30.00	6.25
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	775812	100.000	101.45	70.00- 130.00	100.00
2.695	2.695 (0.334)	43	5714173			0.00- 30.00	736.54
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	3726328	100.000	107.30	70.00- 130.00	100.00
10.547	10.547 (1.064)	98	1818897			0.00- 30.00	48.81
10.547	10.547 (1.064)	55	4140939			0.00- 30.00	111.13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111212.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	362309	1.99
92 1,4-Difluorobenze	1306915	784149	1829681	1394945	6.74
125 Chlorobenzene-d5	1023463	614078	1432848	1101731	7.65

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

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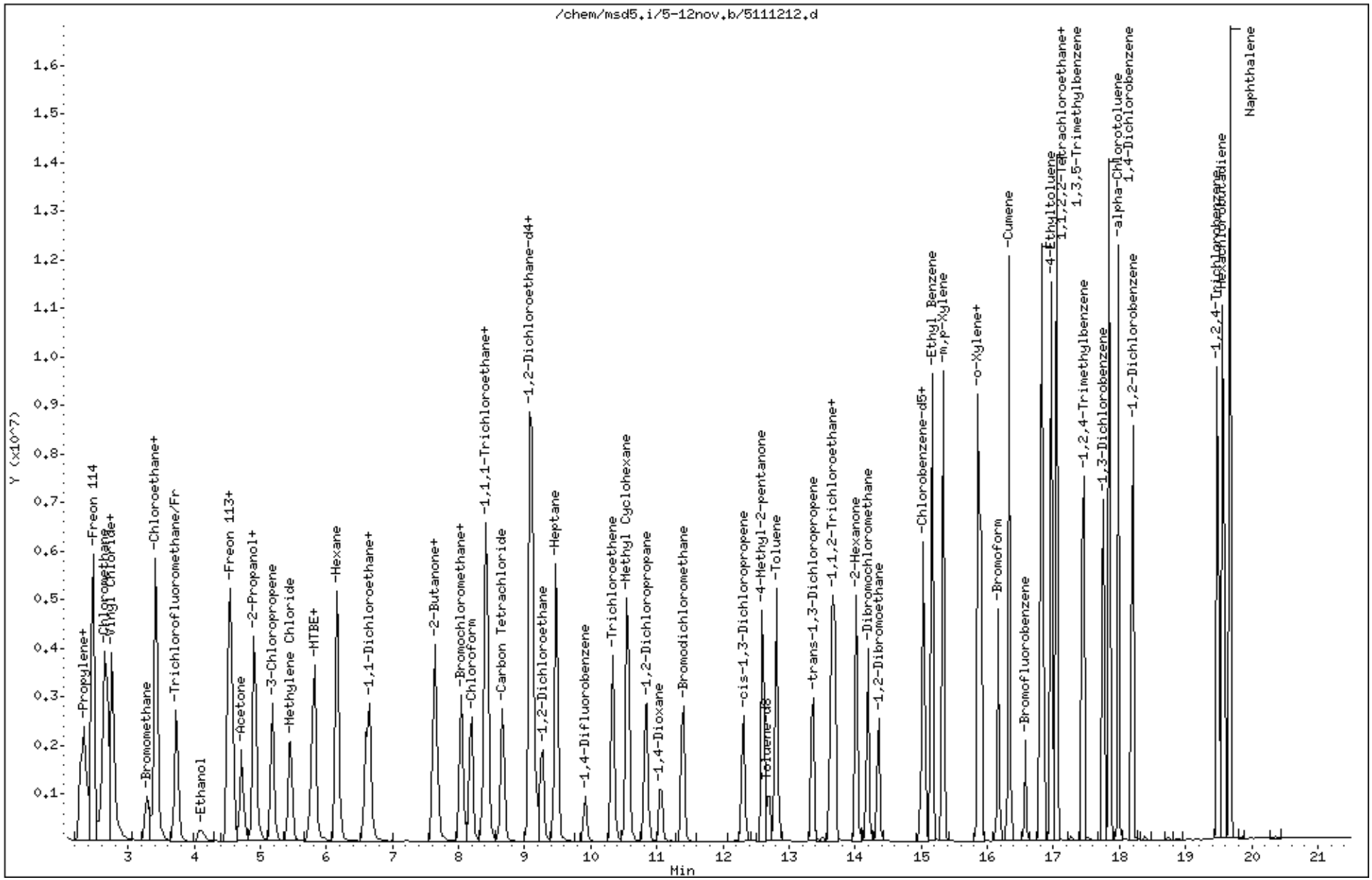
Data File: /chem/msd5.i/5-12nov.b/5111212.d
Date : 12-NOV-2007 15:41
Client ID: Level 6
Sample Info: 100mL #1576-89

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111913.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 19-NOV-2007 13:24
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #1443-361
Misc Info : 200ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:50 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19b.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
* 71 Bromochloromethane						CAS #: 74-97-5	
8.059	8.059 (1.000)	130	344191	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	262492			48.01- 108.01	76.26
8.059	8.059 (1.000)	49	748056			196.63- 256.63	217.34
* 92 1,4-Difluorobenzene						CAS #: 540-36-3	
9.912	9.912 (1.000)	114	1261827	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	197832			0.00- 46.64	15.68
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.999	14.999 (1.000)	117	963543	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	553691			0.00- 30.00	57.46
7 Isobutane						CAS #: 75-28-5	
2.502	2.502 (0.310)	43	10296532	200.000	189.66	70.00- 130.00	100.00
2.502	2.502 (0.310)	42	3411985			0.00- 30.00	33.14
2.529	2.529 (0.314)	58	315880			0.00- 30.00	3.07
18 Pentane						CAS #: 109-66-0	
3.801	3.801 (0.472)	43	11801009	200.000	212.11	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
18 Pentane (continued)							
3.801	3.801 (0.472)	57	1647995			0.00- 30.00	13.96
3.801	3.801 (0.472)	72	984803			0.00- 30.00	8.35
25 Acrolein					CAS #: 107-02-8		
4.492	4.492 (0.557)	55	1445838	200.000	222.87	70.00- 130.00	100.00(A)
4.492	4.492 (0.557)	56	2042086			0.00- 30.00	141.24
39 Acrylonitrile					CAS #: 107-13-1		
5.958	5.958 (0.739)	53	4887508	200.000	222.35	70.00- 130.00	100.00(A)
5.958	5.958 (0.739)	52	3725510			0.00- 30.00	76.23
42 1-Pentene					CAS #: 109-67-1		
3.746	3.746 (0.465)	55	6841188	200.000	211.20	70.00- 130.00	100.00(TA)
3.746	3.746 (0.465)	42	9311575			0.00- 30.00	136.11
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
44 Ethyl Ether					CAS #: 60-29-7		
4.160	4.160 (0.516)	74	2410560	200.000	217.51	70.00- 130.00	100.00(TA)
4.160	4.160 (0.516)	59	4046100			0.00- 30.00	167.85
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
53 Iodomethane					CAS #: 74-88-4		
4.852	4.852 (0.602)	142	8576081	200.000	209.79	70.00- 130.00	100.00(A)
4.852	4.852 (0.602)	127	2795881			0.00- 30.00	32.60
58 1-Hexene					CAS #: 592-41-6		
6.041	6.041 (0.750)	55	3903537	200.000	220.93	70.00- 130.00	100.00(A)
6.041	6.041 (0.750)	41	5974783			0.00- 30.00	153.06
6.041	6.041 (0.750)	84	1241378			0.00- 30.00	31.80
62 Methyl Acrylate					CAS #: 96-33-3		
7.783	7.783 (0.966)	55	9196010	200.000	245.05	70.00- 130.00	100.00(A)
7.783	7.783 (0.966)	85	1158937			0.00- 30.00	12.60
7.783	7.783 (0.966)	58	822435			0.00- 30.00	8.94
86 2-Pentanone					CAS #: 107-87-9		
10.796	10.796 (1.089)	43	13445504	200.000	228.90	70.00- 130.00	100.00(A)
10.796	10.796 (1.089)	58	963999			0.00- 30.00	7.17
10.796	10.796 (1.089)	86	1655039			0.00- 30.00	12.31
88 Ethyl Acrylate					CAS #: 140-88-5		
10.603	10.603 (1.070)	55	10375596	200.000	243.49	70.00- 130.00	100.00(A)
10.630	10.630 (1.073)	99	557840			0.00- 30.00	5.38
10.603	10.603 (1.070)	45	1050088			0.00- 30.00	10.12

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
95 Dibromomethane					CAS #: 74-95-3		
11.073	11.073 (1.117)	174	2809132	200.000	205.54	70.00- 130.00	100.00(A)
11.073	11.073 (1.117)	93	3227295			0.00- 30.00	114.89
11.073	11.073 (1.117)	95	2686517			0.00- 30.00	95.64
96 Methyl Methacrylate					CAS #: 80-62-6		
11.073	11.073 (1.117)	41	6974580	200.000	234.94	70.00- 130.00	100.00(A)
11.073	11.073 (1.117)	69	3492476			0.00- 30.00	50.07
11.073	11.073 (1.117)	100	1311342			0.00- 30.00	18.80
112 Alphamethylstyrene					CAS #: 98-83-9		
17.294	17.294 (1.153)	118	6595314	200.000	250.67	70.00- 130.00	100.00(A)
17.294	17.294 (1.153)	103	3875090			0.00- 30.00	58.76
117 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.709	17.709 (1.181)	93	7660172	200.000	228.15	70.00- 130.00	100.00(A)
17.709	17.709 (1.181)	95	2464256			0.00- 30.00	32.17
17.709	17.709 (1.181)	63	6512294			0.00- 30.00	85.01
127 Nonane					CAS #: 111-84-2		
15.331	15.331 (1.022)	43	12094279	200.000	238.76	70.00- 130.00	100.00(A)
15.331	15.331 (1.022)	57	9622482			0.00- 30.00	79.56
15.331	15.331 (1.022)	85	2739359			0.00- 30.00	22.65

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111913.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 12:52
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	316018	189611	442425	344191	8.91
92 1,4-Difluorobenze	1167843	700706	1634980	1261827	8.05
125 Chlorobenzene-d5	929517	557710	1301324	963543	3.66

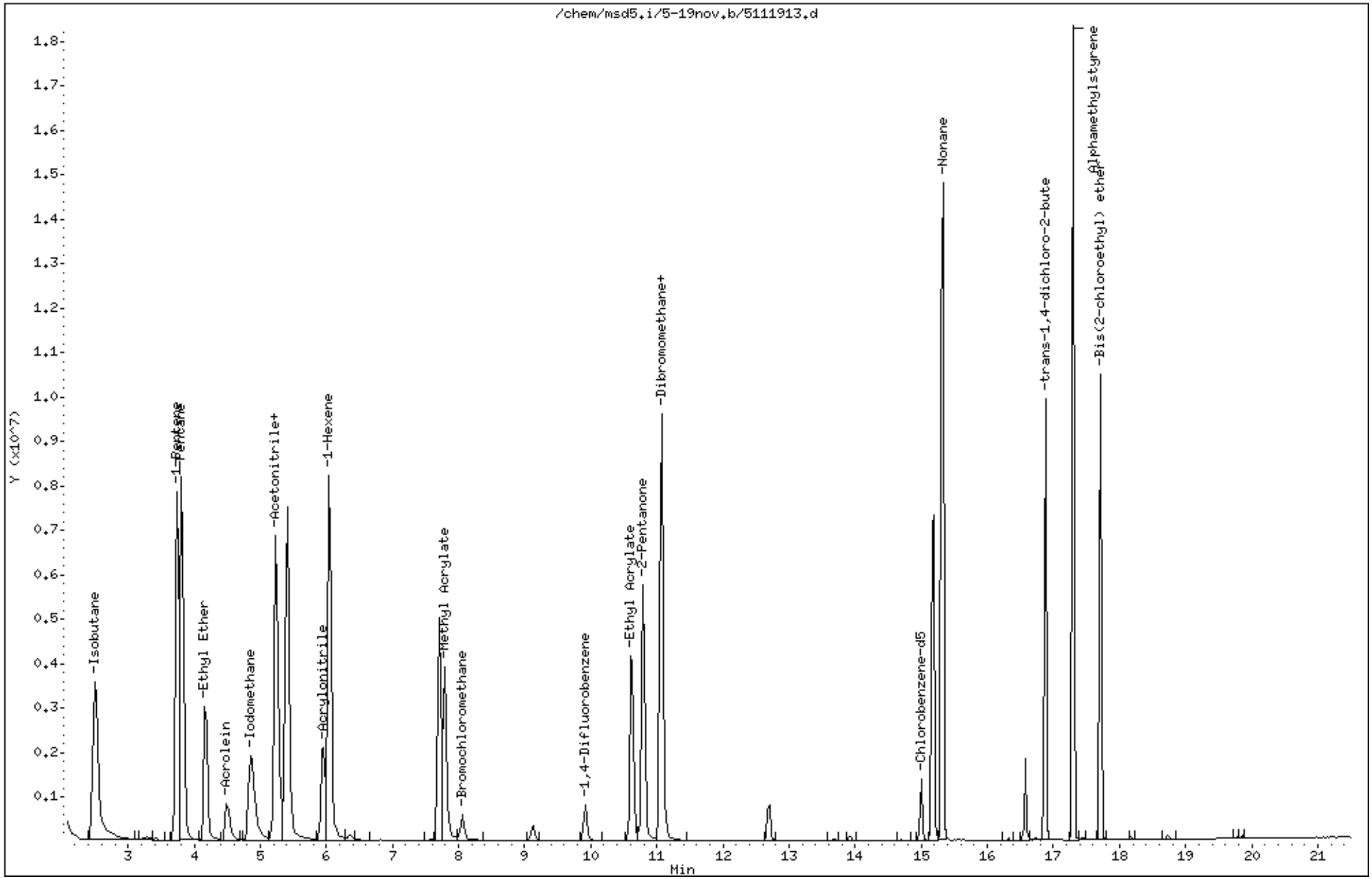
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

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/msd5.i/5-19nov.b/5111913.d
Date : 19-NOV-2007 13:24
Client ID: Level 7
Sample Info: 200mL #1443-361

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-19nov.b/5111904.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 19-NOV-2007 02:57
Operator : sjr Inst ID: msd5.i
Smp Info : 200mL #1487-405
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd5.i/5-19nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 02:57 Cal File: 5111904.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane						CAS #: 74-97-5	
8.059	8.059 (1.000)	130	343138	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	270425			47.38- 107.38	78.81
8.059	8.059 (1.000)	49	766186			197.25- 257.25	223.29
* 92 1,4-Difluorobenzene						CAS #: 540-36-3	
9.912	9.912 (1.000)	114	1331702	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	197405			0.00- 47.51	14.82
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.999	14.999 (1.000)	117	994154	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	589200			0.00- 30.00	59.27
1 Freon134a						CAS #: 811-97-2	
2.225	2.225 (0.276)	83	2822475	200.000	198.64	70.00- 130.00	100.00
2.197	2.197 (0.273)	69	12292152			0.00- 30.00	435.51
3 Freon 152a						CAS #: 75-37-6	
2.280	2.280 (0.283)	65	2698998	200.000	211.17	70.00- 130.00	100.00(A)
2.363	2.363 (0.293)	51	13971311			0.00- 30.00	517.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 22					CAS #: 75-45-6		
2.363	2.363 (0.293)	67	765522	200.000	193.31	70.00- 130.00	100.00
2.363	2.363 (0.293)	51	13848942			0.00- 30.00	1809.08
5 Freon142b					CAS #: 75-68-3		
2.557	2.557 (0.317)	65	5656340	200.000	221.99	70.00- 130.00	100.00(A)
2.557	2.557 (0.317)	45	1828730			0.00- 30.00	32.33
16 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.746	3.746 (0.465)	67	6310190	200.000	205.50	70.00- 130.00	100.00(TA)
3.746	3.746 (0.465)	69	1881367			0.00- 30.00	29.81
0.000	1.000 (0.000)	35	0			0.00- 30.00	0.00
22 Freon123a					CAS #: 354-23-4		
4.299	4.299 (0.533)	117	3567672	200.000	209.65	70.00- 130.00	100.00(A)
4.299	4.299 (0.533)	67	5067373			0.00- 30.00	142.04
24 Freon123					CAS #: 306-83-2		
4.409	4.409 (0.547)	83	6759738	200.000	211.63	70.00- 130.00	100.00(A)
4.409	4.409 (0.547)	133	1059607			0.00- 30.00	15.68
4.409	4.409 (0.547)	85	4429960			0.00- 30.00	65.53
37 tert-Butyl-Alcohol					CAS #: 75-65-0		
5.571	5.571 (0.691)	59	2326170	200.000	130.45	70.00- 130.00	100.00
5.571	5.571 (0.691)	41	747973			0.00- 30.00	32.15
5.571	5.571 (0.691)	57	252239			0.00- 30.00	10.84
49 Isopropyl ether					CAS #: 108-20-3		
6.594	6.594 (0.818)	45	19030534	200.000	221.98	70.00- 130.00	100.00(A)
6.594	6.594 (0.818)	87	3450126			0.00- 30.00	18.13
6.594	6.594 (0.818)	59	1842568			0.00- 30.00	9.68
57 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
7.202	7.202 (0.894)	59	6528854	200.000	198.99	70.00- 130.00	100.00
7.202	7.202 (0.894)	87	2135083			0.00- 30.00	32.70
7.202	7.202 (0.894)	41	1374641			0.00- 30.00	21.05
61 Ethyl Acetate					CAS #: 141-78-6		
7.700	7.700 (0.955)	70	927220	200.000	231.95	70.00- 130.00	100.00(A)
7.700	7.700 (0.955)	43	11648831			0.00- 30.00	1256.32
7.700	7.700 (0.955)	61	1400945			0.00- 30.00	151.09
64 1-Propanol					CAS #: 71-23-8		
6.787	6.787 (0.842)	42	957247	200.000	267.57	70.00- 130.00	100.00(A)
6.787	6.787 (0.842)	59	954733			0.00- 30.00	99.74
6.787	6.787 (0.842)	41	583962			0.00- 30.00	61.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
76 Isobutanol					CAS #: 78-83-1		
9.082	9.082 (0.916)	43	4496367	200.000	234.43	70.00- 130.00	100.00(A)
9.082	9.082 (0.916)	41	3057760			0.00- 30.00	68.01
78 tert-amyl-Methyl Ether					CAS #: 994-05-8		
9.276	9.276 (1.151)	73	4894950	200.000	186.00	70.00- 130.00	100.00
9.276	9.276 (1.151)	87	1188343			0.00- 30.00	24.28
9.276	9.276 (1.151)	55	2091139			0.00- 30.00	42.72
118 Butyl Acetate					CAS #: 123-86-4		
14.197	14.197 (1.432)	56	4685613	200.000	232.17	70.00- 130.00	100.00(A)
14.197	14.197 (1.432)	73	1304433			0.00- 30.00	27.84
14.197	14.197 (1.432)	43	12061971			0.00- 30.00	257.43
131 2-Heptanone					CAS #: 110-43-0		
16.077	16.077 (1.072)	58	7288423	200.000	246.65	70.00- 130.00	100.00(A)
16.077	16.077 (1.072)	43	12754387			0.00- 30.00	175.00
135 Cyclohexanone					CAS #: 108-94-1		
16.520	16.520 (1.101)	55	5982602	200.000	226.08	70.00- 130.00	100.00(A)
16.520	16.520 (1.101)	98	1904727			0.00- 30.00	31.84
16.520	16.520 (1.101)	42	4318876			0.00- 30.00	72.19
146 Diisobutyl Ketone					CAS #: 108-83-8		
17.211	17.211 (1.147)	57	15014507	200.000	215.13	70.00- 130.00	100.00(A)
17.211	17.211 (1.147)	85	9264937			30.87- 90.87	61.71

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.

Report Date: 20-Nov-2007 15:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111904.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd5.i/5-19nov.b/t14qn12b.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 19-NOV-2007
Calibration Time: 02:24
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	320182	192109	448255	343138	7.17
92 1,4-Difluorobenze	1222930	733758	1712102	1331702	8.89
125 Chlorobenzene-d5	969063	581438	1356688	994154	2.59

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

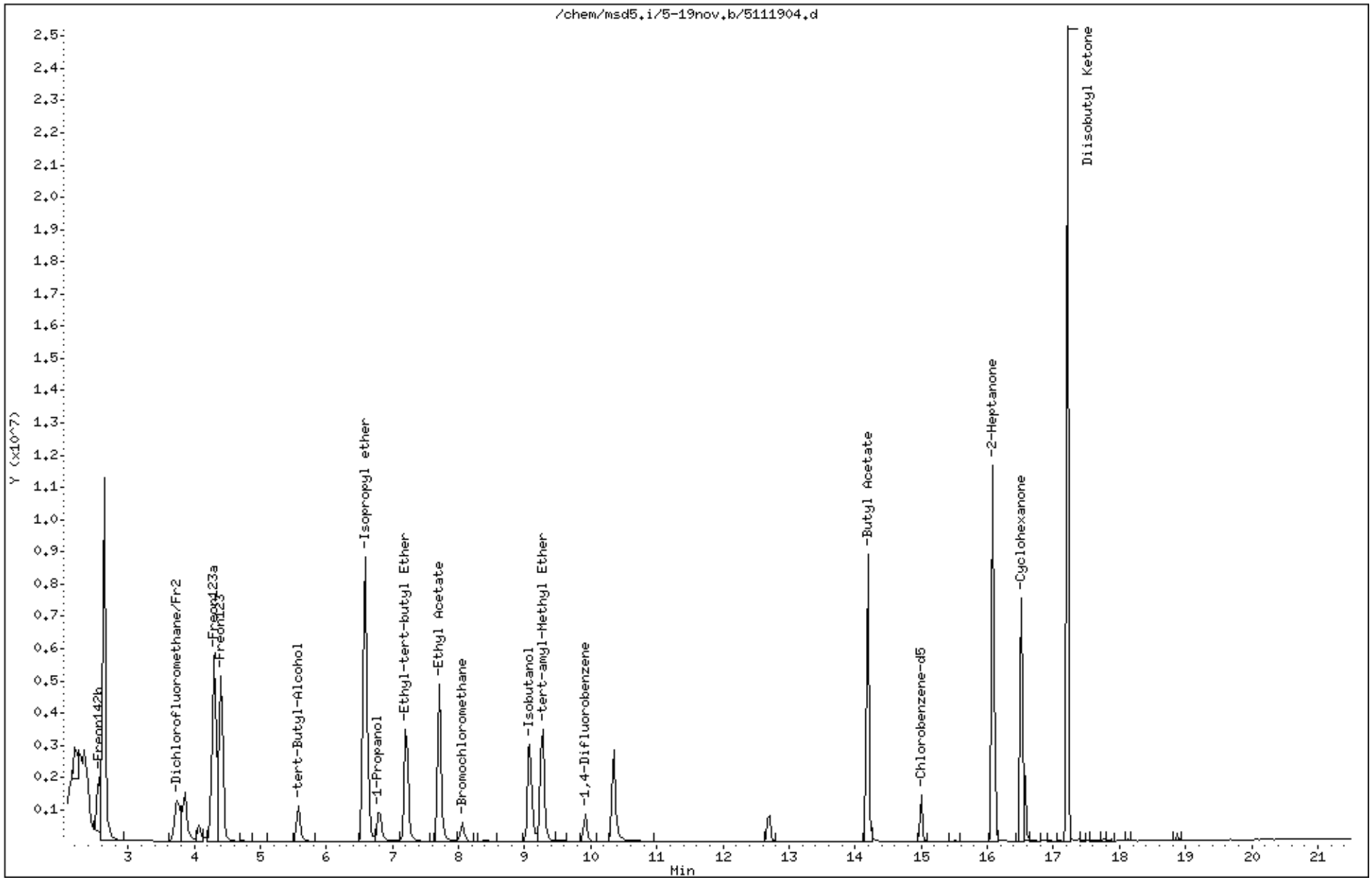
0194

Data File: /chem/msd5.i/5-19nov.b/5111904.d
Date : 19-NOV-2007 02:57
Client ID: Level 7
Sample Info: 200mL #1487-405

Instrument: msd5.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111218.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 12-NOV-2007 20:20
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #1487-404
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:25 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 20:20 Cal File: 5111218.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	380418	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	291580			47.79- 107.79	76.65
8.031	8.031 (1.000)	49	799092			186.23- 246.23	210.06
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1363143	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	229507			0.00- 46.01	16.84
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1062928	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	616683			0.00- 30.00	58.02
33 Methyl Acetate					CAS #: 79-20-9		
5.211	5.211 (0.647)	43	12259393	200.000	217.95	70.00- 130.00	100.00(A)
5.211	5.211 (0.647)	74	2047380			0.00- 30.00	16.70
5.211	5.211 (0.647)	59	866635			0.00- 30.00	7.07
52 Chloroprene					CAS #: 126-99-8		
6.677	6.677 (0.828)	53	10072516	200.000	223.69	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Chloroprene (continued)							
6.677	6.677 (0.828)	88	4358164			12.60- 72.60	43.27
6.677	6.677 (0.828)	50	2391088			0.00- 52.95	23.74
59 1,3-Dichloropropane					CAS #: 142-28-9		
13.893	13.893 (1.402)	76	5643367	200.000	217.03	70.00- 130.00	100.00(A)
13.893	13.893 (1.402)	41	5633681			68.80- 128.80	99.83
13.893	13.893 (1.402)	78	1790220			0.00- 30.00	31.72
60 2,2-Dichloropropane					CAS #: 594-20-7		
7.561	7.561 (0.938)	77	5849796	200.000	222.24	70.00- 130.00	100.00(A)
7.561	7.561 (0.938)	79	1862935			2.86- 62.86	31.85
7.561	7.561 (0.938)	97	1314683			0.00- 30.00	22.47
73 1,1-Dichloropropene					CAS #: 563-58-6		
8.723	8.723 (1.082)	110	2156285	200.000	215.16	70.00- 130.00	100.00(A)
8.723	8.723 (1.082)	75	5802969			0.00- 30.00	269.12
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
15.193	15.193 (1.013)	131	4139143	200.000	217.85	70.00- 130.00	100.00(A)
15.193	15.193 (1.013)	117	2866073			0.00- 30.00	69.24
15.165	15.165 (1.011)	95	1719696			0.00- 30.00	41.55
137 Bromobenzene					CAS #: 108-86-1		
16.741	16.741 (1.116)	156	4901390	200.000	208.50	70.00- 130.00	100.00(A)
16.741	16.741 (1.116)	77	9195353			151.57- 211.57	187.61
16.741	16.741 (1.116)	158	4720437			0.00- 30.00	96.31
139 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.852	16.852 (1.123)	110	2719560	200.000	210.85	70.00- 130.00	100.00(A)
16.852	16.852 (1.123)	61	2348836			0.00- 30.00	86.37
16.852	16.852 (1.123)	112	1719588			0.00- 30.00	63.23
140 2-Chlorotoluene					CAS #: 95-49-8		
16.962	16.962 (1.131)	126	4375302	200.000	222.05	70.00- 130.00	100.00(A)
16.962	16.962 (1.131)	91	14275120			287.64- 347.64	326.27
16.962	16.962 (1.131)	65	1397486			0.00- 30.00	31.94
143 4-Chlorotoluene					CAS #: 106-43-4		
17.100	17.100 (1.140)	126	4466011	200.000	220.88	70.00- 130.00	100.00(A)
17.100	17.100 (1.140)	91	14535401			287.83- 347.83	325.47
17.100	17.100 (1.140)	63	1857348			0.00- 30.00	41.59
149 tert-Butylbenzene					CAS #: 98-06-6		
17.377	17.377 (1.159)	119	18494291	200.000	226.11	70.00- 130.00	100.00(A)
17.377	17.377 (1.159)	134	3933766			0.00- 53.69	21.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
149 tert-Butylbenzene (continued)							
17.377	17.377 (1.159)	91	11227307			0.00- 30.00	60.71
150 Pentachloroethane					CAS #: 76-01-7		
17.460	17.460 (1.164)	167	3427155	200.000	238.56	70.00- 130.00	100.00(A)
17.432	17.432 (1.162)	117	3887356			0.00- 30.00	113.43
151 sec-Butylbenzene					CAS #: 135-98-8		
17.598	17.598 (1.173)	105	20306305	200.000	209.14	70.00- 130.00	100.00(A)
17.598	17.598 (1.173)	134	4363727			0.00- 49.07	21.49
17.598	17.598 (1.173)	91	3819852			0.00- 30.00	18.81
153 p-Cymene					CAS #: 99-87-6		
17.764	17.764 (1.184)	134	4947028	200.000	235.40	70.00- 130.00	100.00(A)
17.764	17.764 (1.184)	119	18479267			341.15- 401.15	373.54
17.764	17.764 (1.184)	91	4493393			0.00- 30.00	90.83
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.875	17.875 (1.192)	120	6956133	200.000	230.47	70.00- 130.00	100.00(A)
17.875	17.875 (1.192)	105	16213534			197.36- 257.36	233.08
17.875	17.875 (1.192)	77	1812902			0.00- 30.00	26.06
158 Butylbenzene					CAS #: 104-51-8		
18.151	18.151 (1.210)	134	4435716	200.000	234.08	70.00- 130.00	100.00(A)
18.123	18.123 (1.208)	91	18354905			393.82- 453.82	413.80
18.123	18.123 (1.208)	92	10202168			0.00- 30.00	230.00
160 Hexachloroethane					CAS #: 67-72-1		
18.372	18.372 (1.225)	117	6549758	200.000	233.67	70.00- 130.00	100.00(A)
18.400	18.400 (1.227)	201	4183292			0.00- 30.00	63.87
	Sum of Peak Amounts =		234				
161 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.870	18.870 (1.258)	157	4780713	200.000	246.99	70.00- 130.00	100.00(A)
18.870	18.870 (1.258)	75	5676066			92.49- 152.49	118.73
18.870	18.870 (1.258)	155	3766945			0.00- 30.00	78.79
166 1,2,3-Trichlorobenzene					CAS #: 87-61-6		
19.865	19.865 (1.324)	180	9209537	200.000	219.56	70.00- 130.00	100.00(A)
19.865	19.865 (1.324)	182	8636309			0.00- 30.00	93.78
19.865	19.865 (1.324)	145	3064881			0.00- 30.00	33.28
192 Cyclopentene					CAS #: 142-29-0		
5.211	5.211 (0.647)	67	11768190	200.000	214.19	70.00- 130.00	100.00(A)
5.211	5.211 (0.647)	68	4482374			0.00- 30.00	38.09
5.211	5.211 (0.647)	53	2799572			0.00- 30.00	23.79

QC Flag Legend

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

Report Date: 13-Nov-2007 13:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111218.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 19:48
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	345466	207280	483652	380418	10.12
92 1,4-Difluorobenze	1312181	787309	1837053	1363143	3.88
125 Chlorobenzene-d5	1008754	605252	1412256	1062928	5.37

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

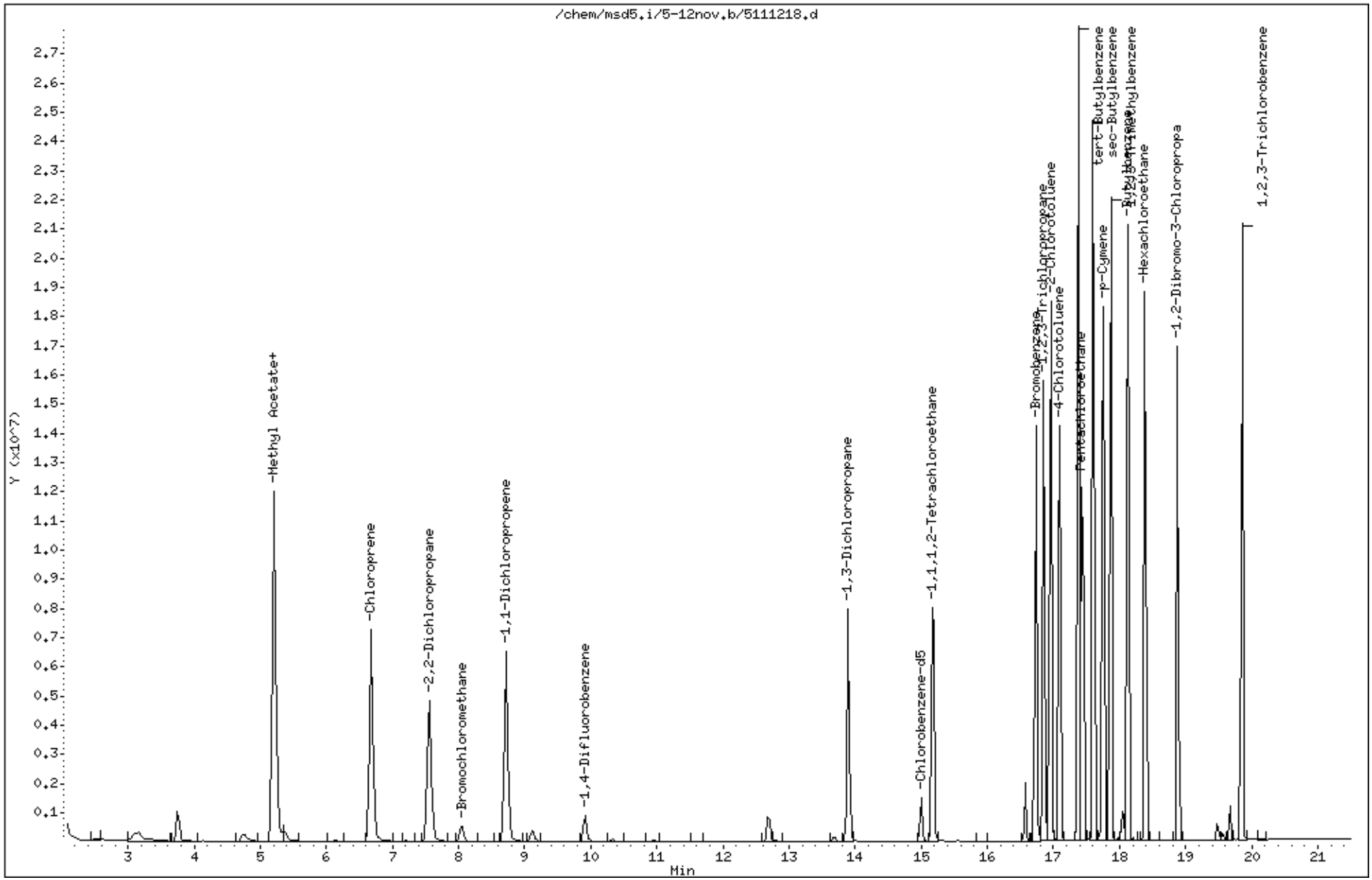
0200

Data File: /chem/msd5.i/5-12nov.b/5111218.d
Date : 12-NOV-2007 20:20
Client ID: Level 7
Sample Info: 200mL #1487-404

Column phase: RTx-624

Instrument: msd5.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12nov.b/5111213.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 12-NOV-2007 16:13
Operator : cb Inst ID: msd5.i
Smp Info : 200mL #1576-89
Misc Info : 200ppbv
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:20 ctaylor Quant Type: ISTD
Cal Date : 12-NOV-2007 16:13 Cal File: 5111213.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	379428	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	296624			42.76- 102.76	78.18
8.059	8.059 (1.000)	49	802235			173.18- 233.18	211.43
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1473899	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	238341			0.00- 46.42	16.17
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1158184	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	685651			0.00- 30.00	59.20
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	596904	25.0000	26.283	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	414836			0.00- 30.00	69.50
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1336408	25.0000	25.682	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	133913			0.00- 30.00	10.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	940191			0.00- 30.00	70.35
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	686157	25.0000	25.391	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	1078230			128.71- 188.71	157.14
16.575	16.575 (1.105)	176	661942			68.26- 128.26	96.47
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	5376726	200.000	203.02	70.00- 130.00	100.00(A)
2.280	2.280 (0.283)	42	3639937			0.00- 30.00	67.70
2.280	2.280 (0.283)	39	3684723			0.00- 30.00	68.53
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	9953066	200.000	221.84	70.00- 130.00	100.00(A)
2.336	2.336 (0.290)	87	3204362			0.00- 30.00	32.19
9 Freon 114					CAS #: 76-14-2		
2.502	2.502 (0.310)	135	8125587	200.000	198.45	70.00- 130.00	100.00
2.502	2.502 (0.310)	137	2547872			2.29- 62.29	31.36
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	6779536	200.000	201.24	70.00- 130.00	100.00(A)
2.640	2.640 (0.328)	52	2029289			0.00- 30.00	29.93
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	6453329	200.000	199.02	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	2007029			0.00- 30.00	31.10
12 1,3-Butadiene					CAS #: 106-99-0		
2.778	2.778 (0.345)	54	5891794	200.000	212.76	70.00- 130.00	100.00(A)
2.778	2.778 (0.345)	39	6841437			0.00- 30.00	116.12
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	4372221	200.000	208.86	70.00- 130.00	100.00(A)
3.276	3.276 (0.406)	96	4138619			65.07- 125.07	94.66
19 Chloroethane					CAS #: 75-00-3		
3.442	3.442 (0.427)	64	3239683	200.000	196.42	70.00- 130.00	100.00
3.442	3.442 (0.427)	49	869249			0.00- 30.00	26.83
3.442	3.442 (0.427)	66	945867			0.00- 30.00	29.20
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	9929412	200.000	202.99	70.00- 130.00	100.00(A)
3.746	3.746 (0.465)	103	6390218			34.56- 94.56	64.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.133	4.133 (0.513)	45	1967404	200.000	185.14	70.00- 130.00	100.00
4.133	4.133 (0.513)	43	362712			0.00- 30.00	18.44
4.133	4.133 (0.513)	46	816407			0.00- 30.00	41.50
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	6057243	200.000	199.15	70.00- 130.00	100.00
4.548	4.548 (0.564)	153	3827738			33.43- 93.43	63.19
4.520	4.520 (0.561)	101	8431386			108.48- 168.48	139.20
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	8478221	200.000	210.62	70.00- 130.00	100.00(A)
4.575	4.575 (0.568)	96	4763041			27.13- 87.13	56.18
4.575	4.575 (0.568)	98	3012899			5.60- 65.60	35.54
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	3222078	200.000	214.00	70.00- 130.00	100.00(A)
4.713	4.713 (0.585)	43	9448686			0.00- 30.00	293.25
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	11561568	200.000	215.77	70.00- 130.00	100.00(A)
4.935	4.935 (0.612)	43	2331834			0.00- 30.00	20.17
4.935	4.935 (0.612)	59	426669			0.00- 30.00	3.69
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	14564959	200.000	213.66	70.00- 130.00	100.00(A)
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.184 (0.643)	76	2321881	200.000	204.57	70.00- 130.00	100.00(A)
5.184	5.184 (0.643)	41	8708129			0.00- 30.00	375.05
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.678)	49	6972846	200.000	202.58	70.00- 130.00	100.00(A)
5.460	5.460 (0.678)	84	4089078			29.81- 89.81	58.64
5.460	5.460 (0.678)	51	2112801			0.00- 30.00	30.30
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	3902079	200.000	150.60	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	1232072			1.68- 61.68	31.57
5.764	5.764 (0.715)	41	1256752			0.00- 30.00	32.21
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	5269287	200.000	216.15	70.00- 130.00	100.00(A)
5.819	5.819 (0.722)	61	8491435			133.65- 193.65	161.15
5.819	5.819 (0.722)	98	3350199			0.00- 30.00	63.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	10867838	200.000	219.22	70.00- 130.00	100.00(A)
6.151	6.151 (0.763)	43	7427006			0.00- 30.00	68.34
6.179	6.179 (0.767)	86	1502171			0.00- 30.00	13.82
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	9466761	200.000	214.47	70.00- 130.00	100.00(A)
6.594	6.594 (0.818)	65	2873484			0.52- 60.52	30.35
67 2-Butanone					CAS #: 78-93-3		
7.644	7.644 (0.949)	72	2401975	200.000	225.48	70.00- 130.00	100.00(A)
7.644	7.644 (0.949)	43	13592738			536.33- 596.33	565.90
7.644	7.644 (0.949)	57	970844			0.00- 30.00	40.42
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	7018804	200.000	211.78	70.00- 130.00	100.00(A)
7.617	7.617 (0.945)	96	4681675			37.56- 97.56	66.70
7.617	7.617 (0.945)	98	2974274			14.52- 74.52	42.38
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	7952915	200.000	200.51	70.00- 130.00	100.00(A)
8.031	8.031 (0.997)	71	2097817			0.00- 55.74	26.38
8.031	8.031 (0.997)	72	2268304			0.00- 30.00	28.52
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	7997810	200.000	213.85	70.00- 130.00	100.00(A)
8.197	8.197 (1.017)	85	5151553			35.19- 95.19	64.41
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	7928397	200.000	212.09	70.00- 130.00	100.00(A)
8.446	8.446 (1.048)	99	5100696			33.02- 93.02	64.33
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	6469207	200.000	214.82	70.00- 130.00	100.00(A)
8.418	8.418 (1.045)	56	10311383			126.11- 186.11	159.39
8.391	8.391 (1.041)	41	5608294			55.82- 115.82	86.69
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.649 (0.825)	86	1313244	200.000	234.84	70.00- 130.00	100.00(A)
6.649	6.649 (0.825)	43	16877699			0.00- 30.00	1285.19
6.649	6.649 (0.825)	42	1237902			0.00- 30.00	94.26
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	6929597	200.000	224.51	70.00- 130.00	100.00(A)
8.667	8.667 (1.075)	117	7148759			75.98- 135.98	103.16

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
80 2,2,4-Trimethylpentane						CAS #: 540-84-1	
9.110	9.110 (1.130)	57	30319210	200.000	223.04	70.00- 130.00	100.00(A)
9.110	9.110 (1.130)	56	9915225			0.00- 30.00	32.70
9.110	9.110 (1.130)	41	7628319			0.00- 30.00	25.16
81 Benzene						CAS #: 71-43-2	
9.082	9.082 (0.916)	78	13162200	200.000	207.18	70.00- 130.00	100.00(A)
9.082	9.082 (0.916)	77	3019769			0.00- 30.00	22.94
85 1,2-Dichloroethane						CAS #: 107-06-2	
9.276	9.276 (0.936)	62	6115333	200.000	210.12	70.00- 130.00	100.00(A)
9.276	9.276 (0.936)	64	1907292			0.00- 30.00	31.19
90 Heptane						CAS #: 142-82-5	
9.497	9.497 (0.958)	100	1552617	200.000	218.81	70.00- 130.00	100.00(A)
9.469	9.469 (0.955)	43	12168235			0.00- 30.00	783.72
9.469	9.469 (0.955)	71	4755038			0.00- 30.00	306.26
93 Trichloroethene						CAS #: 79-01-6	
10.326	10.326 (1.042)	95	5225261	200.000	202.78	70.00- 130.00	100.00(A)
10.326	10.326 (1.042)	130	4874779			64.49- 124.49	93.29
10.326	10.326 (1.042)	97	3343656			34.72- 94.72	63.99
98 1,2-Dichloropropane						CAS #: 78-87-5	
10.852	10.852 (1.095)	63	5104635	200.000	204.32	70.00- 130.00	100.00(A)
10.852	10.852 (1.095)	62	3646628			39.05- 99.05	71.44
10.824	10.824 (1.092)	41	3449628			36.65- 96.65	67.58
99 1,4-Dioxane						CAS #: 123-91-1	
11.073	11.073 (1.117)	88	3047468	200.000	210.03	70.00- 130.00	100.00(A)
11.045	11.045 (1.114)	58	2835408			62.00- 122.00	93.04
11.045	11.045 (1.114)	57	881722			0.00- 30.00	28.93
100 Bromodichloromethane						CAS #: 75-27-4	
11.405	11.405 (1.151)	83	7699387	200.000	213.72	70.00- 130.00	100.00(A)
11.405	11.405 (1.151)	85	4904851			34.72- 94.72	63.70
103 cis-1,3-Dichloropropene						CAS #: 10061-01-5	
12.317	12.317 (1.243)	75	5762675	200.000	225.69	70.00- 130.00	100.00(A)
12.317	12.317 (1.243)	77	1837180			0.28- 60.28	31.88
12.289	12.289 (1.240)	39	4130568			43.30- 103.30	71.68
106 4-Methyl-2-pentanone						CAS #: 108-10-1	
12.594	12.594 (1.271)	58	4730396	200.000	227.29	70.00- 130.00	100.00(A)
12.594	12.594 (1.271)	43	13344863			0.00- 30.00	282.11
12.594	12.594 (1.271)	85	1564460			0.00- 30.00	33.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	13234278	200.000	201.94	70.00- 130.00	100.00(A)
12.815	12.815 (1.293)	92	7782172			29.65- 89.65	58.80
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	5992352	200.000	244.89	70.00- 130.00	100.00(A)
13.368	13.368 (0.891)	77	1862914			1.96- 61.96	31.09
13.340	13.340 (0.889)	39	4062607			38.82- 98.82	67.80
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	4441546	200.000	203.48	70.00- 130.00	100.00(A)
13.644	13.644 (0.910)	99	2760199			33.63- 93.63	62.15
13.644	13.644 (0.910)	83	3712821			55.73- 115.73	83.59
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	4978683	200.000	196.23	70.00- 130.00	100.00
13.700	13.700 (0.913)	129	4049222			50.24- 110.24	81.33
13.700	13.700 (0.913)	131	3856812			48.42- 108.42	77.47
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	6788322	200.000	222.94	70.00- 130.00	100.00(A)
14.004	14.004 (0.934)	43	13564043			168.65- 228.65	199.81
14.031	14.031 (0.935)	100	1021389			0.00- 30.00	15.05
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	6797279	200.000	222.56	70.00- 130.00	100.00(A)
14.197	14.197 (0.947)	127	5288923			0.00- 30.00	77.81
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	6974912	200.000	218.00	70.00- 130.00	100.00(A)
14.363	14.363 (0.958)	109	6501581			63.74- 123.74	93.21
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	10023472	200.000	201.12	70.00- 130.00	100.00(A)
15.027	15.027 (1.002)	114	3208018			1.82- 61.82	32.01
15.027	15.027 (1.002)	77	6285605			31.79- 91.79	62.71
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	5595835	200.000	207.82	70.00- 130.00	100.00(A)
15.165	15.165 (1.011)	91	18264820			0.00- 30.00	326.40
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	6958327	200.000	210.40	70.00- 130.00	100.00(A)
15.331	15.331 (1.022)	91	15132243			0.00- 30.00	217.47
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	6397817	200.000	203.44	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	14678586			195.49- 255.49	229.43
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	10594301	200.000	228.49	70.00- 130.00	100.00(A)
15.911	15.911 (1.061)	78	5603941			22.39- 82.39	52.90
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	5879832	200.000	216.03	70.00- 130.00	100.00(A)
16.160	16.160 (1.077)	171	3042544			21.21- 81.21	51.75
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	9654646	200.000	203.57	70.00- 130.00	100.00(A)
16.796	16.796 (1.120)	85	6137606			33.63- 93.63	63.57
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	19926988	200.000	214.75	70.00- 130.00	100.00(A)
16.962	16.962 (1.131)	120	5796728			0.00- 59.46	29.09
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	16195440	200.000	193.10	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	8354342			0.00- 30.00	51.58
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	15645232	200.000	219.90	70.00- 130.00	100.00(A)
17.460	17.460 (1.164)	120	7177069			16.11- 76.11	45.87
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	10205679	200.000	202.62	70.00- 130.00	100.00(A)
17.764	17.764 (1.184)	148	6469217			0.00- 30.00	63.39
17.764	17.764 (1.184)	111	4196257			0.00- 30.00	41.12
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	11649605	200.000	197.34	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	7316004			0.00- 30.00	62.80
17.847	17.847 (1.190)	111	5090946			0.00- 30.00	43.70
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	14811552	200.000	199.26	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	3792145			0.00- 30.00	25.60
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	10278339	200.000	194.01	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	6561023			32.64- 92.64	63.83
18.206	18.206 (1.214)	111	4303497			11.53- 71.53	41.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	7407149	200.000	196.98	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	6968403			63.93- 123.93	94.08
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	4964078	200.000	187.90	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	3098497			32.69- 92.69	62.42
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	22515730	200.000	206.17	70.00- 130.00	100.00(A)
16.824	16.824 (1.122)	120	5037838			0.00- 30.00	22.37
16.824	16.824 (1.122)	105	809839			0.00- 30.00	3.60
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	17361026	200.000	182.07	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	5128121			0.00- 30.00	29.54
16.326	16.326 (1.088)	51	2810203			0.00- 30.00	16.19
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	15685584	200.000	125.24	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	3440644			0.00- 30.00	21.94
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	9276275	200.000	197.49	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	5992060			0.00- 30.00	64.60
3.414	3.414 (0.424)	72	601448			0.00- 30.00	6.48
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	1610134	200.000	201.06	70.00- 130.00	100.00(A)
2.695	2.695 (0.334)	43	11574318			0.00- 30.00	718.84
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	7735277	200.000	210.81	70.00- 130.00	100.00(A)
10.547	10.547 (1.064)	98	3742413			0.00- 30.00	48.38
10.547	10.547 (1.064)	55	8517231			0.00- 30.00	110.11

QC Flag Legend

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

Report Date: 13-Nov-2007 13:21

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111213.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 200ppbv

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	379428	6.81
92 1,4-Difluorobenze	1306915	784149	1829681	1473899	12.78
125 Chlorobenzene-d5	1023463	614078	1432848	1158184	13.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

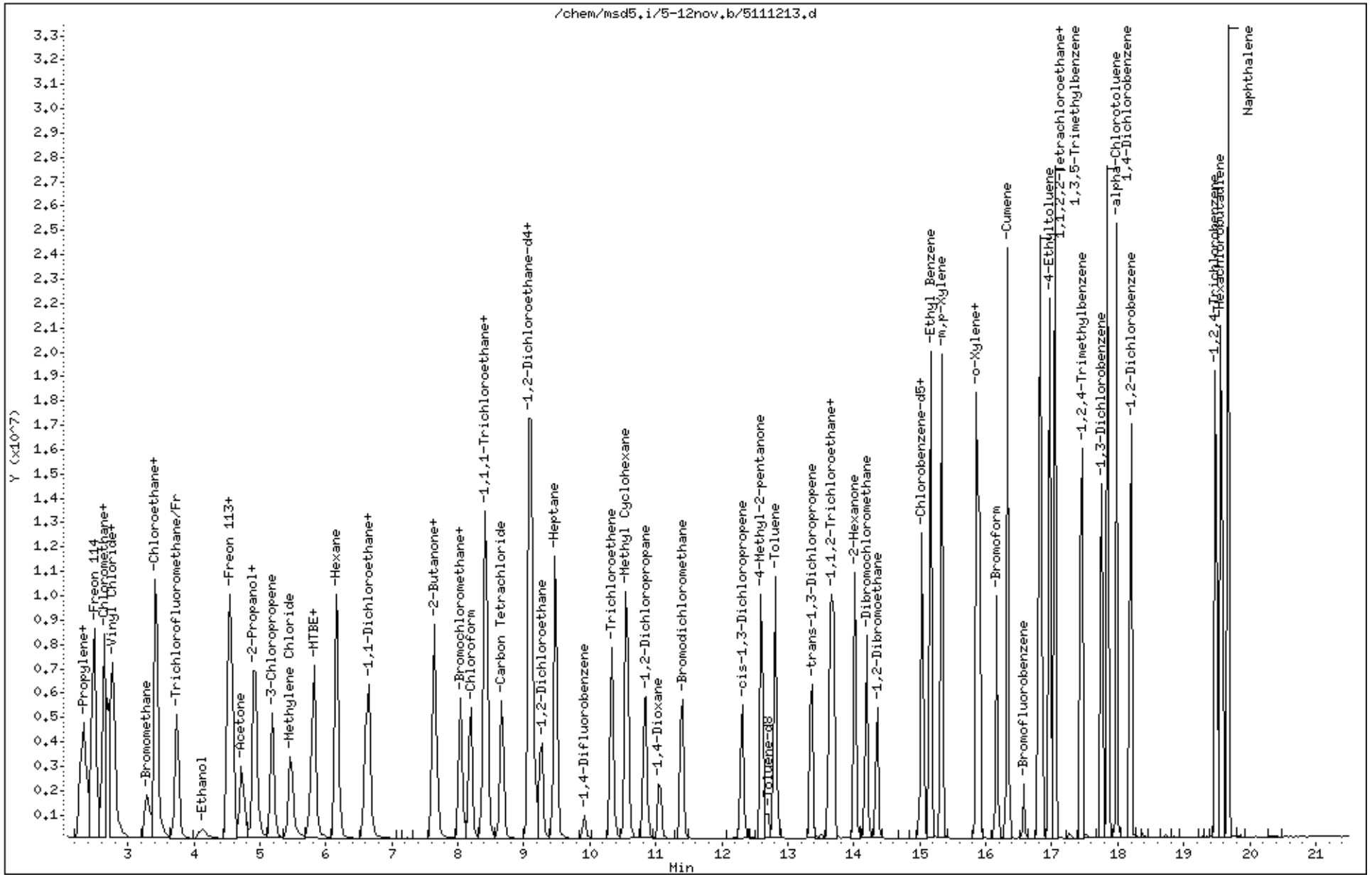
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0210

Data File: /chem/msd5.i/5-12nov.b/5111213.d
Date : 12-NOV-2007 16:13
Client ID: Level 7
Sample Info: 200mL #1576-89

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-13nov.b/5111303.d
Lab Smp Id: ICAL Client Smp ID: Level 8
Inj Date : 13-NOV-2007 12:52
Operator : ct Inst ID: msd5.i
Smp Info : 50mL #1497-139
Misc Info : 250ppbv (1000ppbv)
Comment :
Method : /chem/msd5.i/5-12nov.b/t14qn12a.m
Meth Date : 13-Nov-2007 13:21 ctaylor Quant Type: ISTD
Cal Date : 13-NOV-2007 12:52 Cal File: 5111303.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Level8.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	351990	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	274795			42.76- 102.76	78.07
8.031	8.031 (1.000)	49	788886			173.18- 233.18	224.12
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1397135	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	229663			0.00- 46.42	16.44
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1075416	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	649768			0.00- 30.00	60.42
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.110	9.110 (1.130)	65	593872	25.0000	28.188	70.00- 130.00	100.00
9.110	9.110 (1.130)	67	443921			0.00- 30.00	74.75
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1240246	25.0000	25.144	70.00- 130.00	100.00
12.677	12.677 (1.279)	70	124834			0.00- 30.00	10.07

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	913233			0.00- 30.00	73.63
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	661035	25.0000	26.344	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	1017403			128.71- 188.71	153.91
16.575	16.575 (1.105)	176	644249			68.26- 128.26	97.46
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	7589108	250.000	334.02	70.00- 130.00	100.00(A)
13.368	13.368 (0.891)	77	2394908			1.96- 61.96	31.56
13.340	13.340 (0.889)	39	5237247			38.82- 98.82	69.01

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5111303.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12nov.b/t14qn12a.m
Misc Info: 250ppbv (1000ppbv)

Calibration Date: 12-NOV-2007
Calibration Time: 15:12
Client Smp ID: Level 8
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	355243	213146	497340	351990	-0.92
92 1,4-Difluorobenze	1306915	784149	1829681	1397135	6.90
125 Chlorobenzene-d5	1023463	614078	1432848	1075416	5.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

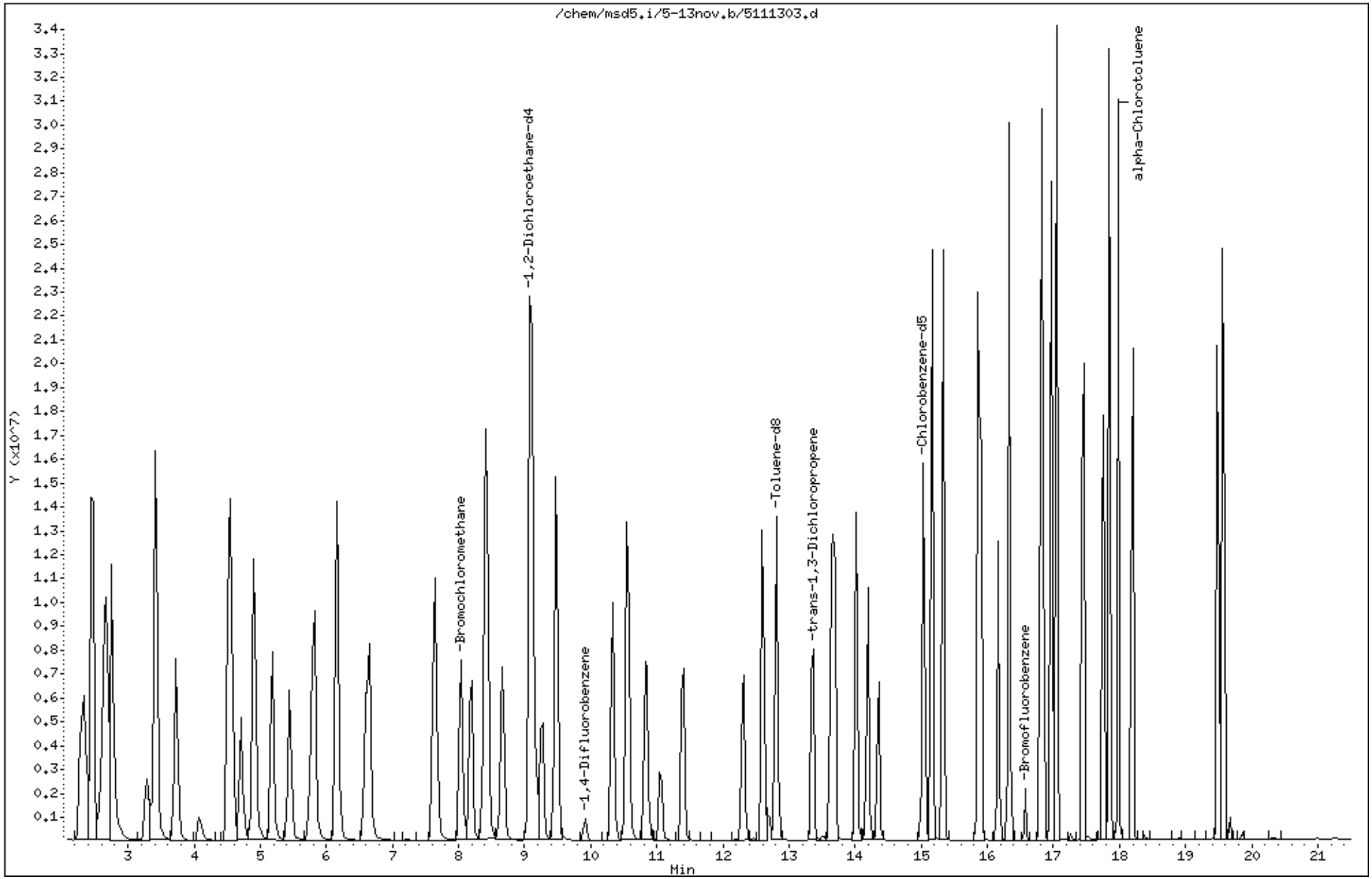
0214

Data File: /chem/msd5.i/5-13nov.b/5111303.d
Date : 13-NOV-2007 12:52
Client ID: Level 8
Sample Info: 50mL #1497-139

Column phase: RTx-624

Instrument: msd5.i

Operator: ct
Column diameter: 0.53



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711168-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 08:46 AM**	

Compound	%Recovery
Freon 12	85
Freon 114	101
Vinyl Chloride	99
Bromomethane	96
Chloroethane	91
Freon 11	101
1,1-Dichloroethene	101
Freon 113	102
Methylene Chloride	102
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	103
Chloroform	100
1,1,1-Trichloroethane	100
Carbon Tetrachloride	106
Benzene	98
1,2-Dichloroethane	100
Trichloroethene	95
1,2-Dichloropropane	93
cis-1,3-Dichloropropene	101
Toluene	92
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	102
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	104
Chlorobenzene	98
Ethyl Benzene	102
m,p-Xylene	105
o-Xylene	100
Styrene	109
1,1,2,2-Tetrachloroethane	98
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	100
alpha-Chlorotoluene	118
1,2-Dichlorobenzene	98
1,3-Butadiene	106
Hexane	106
Cyclohexane	100

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0711168-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 08:46 AM**	

Compound	%Recovery
Heptane	106
Bromodichloromethane	96
Dibromochloromethane	106
Cumene	101
Propylbenzene	105
Chloromethane	99
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	99
Acetone	99
Carbon Disulfide	102
2-Propanol	100
trans-1,2-Dichloroethene	104
2-Butanone (Methyl Ethyl Ketone)	99
Tetrahydrofuran	96
1,4-Dioxane	93
4-Methyl-2-pentanone	104
2-Hexanone	100
Bromoform	108
4-Ethyltoluene	106
Ethanol	101
Methyl tert-butyl ether	75
3-Chloropropene	97
2,2,4-Trimethylpentane	103
Naphthalene	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 20-NOV-2007 08:46
Lab File ID: 5112002.d Init. Cal. Date(s): 12-NOV-2007 19-NOV-2007
Analysis Type: AIR Init. Cal. Times: 13:22 13:24
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-20nov.b/t14qn12b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 84 1,2-Dichloroethane-d4	1.49639	1.50978	0.010	-0.89474	30.00000	Averaged
$ 107 Toluene-d8	0.88263	0.85661	0.010	2.94736	30.00000	Averaged
$ 138 Bromofluorobenzene	0.58333	0.58108	0.010	0.38424	30.00000	Averaged
6 Propylene	1.74497	1.67185	0.010	4.19037	30.00000	Averaged
8 Dichlorodifluoromethane/Fr1	2.95608	2.51976	0.010	14.76004	30.00000	Averaged
9 Freon 114	2.69778	2.72568	0.010	-1.03405	30.00000	Averaged
10 Chloromethane	2.21969	2.19729	0.010	1.00904	30.00000	Averaged
13 Vinyl Chloride	2.13649	2.11416	0.010	1.04546	30.00000	Averaged
12 1,3-Butadiene	1.82463	1.93385	0.010	-5.98604	30.00000	Averaged
15 Bromomethane	1.37930	1.31985	0.010	4.31022	30.00000	Averaged
19 Chloroethane	1.08675	0.99019	0.010	8.88525	30.00000	Averaged
20 Trichlorofluoromethane/Fr11	3.22295	3.25958	0.010	-1.13671	30.00000	Averaged
26 Ethanol	0.70017	0.70530	0.010	-0.73205	30.00000	Averaged
30 Freon 113	2.00401	2.04184	0.010	-1.88789	30.00000	Averaged
31 1,1-Dichloroethene	2.65222	2.68958	0.010	-1.40871	30.00000	Averaged
32 Acetone	0.99203	0.97950	0.010	1.26324	30.00000	Averaged
36 2-Propanol	3.53043	3.53455	0.010	-0.11679	30.00000	Averaged
35 Carbon Disulfide	4.49145	4.58060	0.010	-1.98490	30.00000	Averaged
38 3-Chloropropene	0.74783	0.72351	0.010	3.25251	30.00000	Averaged
43 Methylene Chloride	2.26785	2.31823	0.010	-2.22152	30.00000	Averaged
46 MTBE	1.70717	1.28780	0.010	24.56500	30.00000	Averaged
47 trans-1,2-Dichloroethene	1.60625	1.66503	0.010	-3.65934	30.00000	Averaged
51 Hexane	3.26636	3.47908	0.010	-6.51229	30.00000	Averaged
55 1,1-Dichloroethane	2.90836	3.00651	0.010	-3.37451	30.00000	Averaged
67 2-Butanone	0.70189	0.69331	0.010	1.22224	30.00000	Averaged
66 cis-1,2-Dichloroethene	2.18371	2.24845	0.010	-2.96473	30.00000	Averaged
70 Tetrahydrofuran	2.61338	2.51017	0.010	3.94900	30.00000	Averaged
72 Chloroform	2.46416	2.46986	0.010	-0.23114	30.00000	Averaged
75 1,1,1-Trichloroethane	2.46307	2.46387	0.010	-0.03244	30.00000	Averaged
74 Cyclohexane	1.98423	1.98447	0.010	-0.01242	30.00000	Averaged
56 Vinyl Acetate	0.36845	0.35212	0.010	4.43199	30.00000	Averaged
77 Carbon Tetrachloride	2.03366	2.15965	0.010	-6.19519	30.00000	Averaged
80 2,2,4-Trimethylpentane	8.95659	9.25887	0.010	-3.37496	30.00000	Averaged
81 Benzene	1.07756	1.05701	0.010	1.90764	30.00000	Averaged
85 1,2-Dichloroethane	0.49365	0.49563	0.010	-0.39968	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 20-NOV-2007 08:46
Lab File ID: 5112002.d Init. Cal. Date(s): 12-NOV-2007 19-NOV-2007
Analysis Type: AIR Init. Cal. Times: 13:22 13:24
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-20nov.b/t14qn12b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
90 Heptane	0.12036	0.12707	0.010	-5.57497	30.00000	Averaged
93 Trichloroethene	0.43706	0.41556	0.010	4.92060	30.00000	Averaged
98 1,2-Dichloropropane	0.42376	0.39519	0.010	6.74186	30.00000	Averaged
99 1,4-Dioxane	0.24611	0.22848	0.010	7.16438	30.00000	Averaged
100 Bromodichloromethane	0.61107	0.59000	0.010	3.44745	30.00000	Averaged
103 cis-1,3-Dichloropropene	0.43309	0.43676	0.010	-0.84677	30.00000	Averaged
106 4-Methyl-2-pentanone	0.35302	0.36674	0.010	-3.88685	30.00000	Averaged
108 Toluene	1.11163	1.01729	0.010	8.48685	30.00000	Averaged
113 trans-1,3-Dichloropropene	0.52818	0.57616	0.010	-9.08468	30.00000	Averaged
114 1,1,2-Trichloroethane	0.47116	0.48150	0.010	-2.19421	30.00000	Averaged
116 Tetrachloroethene	0.54765	0.56068	0.010	-2.37872	30.00000	Averaged
119 2-Hexanone	0.65725	0.65632	0.010	0.14248	30.00000	Averaged
120 Dibromochloromethane	0.65925	0.70034	0.010	-6.23357	30.00000	Averaged
122 1,2-Dibromoethane	0.69063	0.72220	0.010	-4.57062	30.00000	Averaged
126 Chlorobenzene	1.07580	1.05828	0.010	1.62854	30.00000	Averaged
128 Ethyl Benzene	0.58120	0.59351	0.010	-2.11731	30.00000	Averaged
130 m,p-Xylene	0.71385	0.74834	0.010	-4.83090	30.00000	Averaged
132 o-Xylene	0.67883	0.67863	0.010	0.02985	30.00000	Averaged
133 Styrene	1.00085	1.09040	0.010	-8.94704	30.00000	Averaged
134 Bromoform	0.58750	0.63763	0.010	-8.53244	30.00000	Averaged
141 1,1,2,2-Tetrachloroethane	1.02374	1.00194	0.010	2.12875	30.00000	Averaged
144 4-Ethyltoluene	2.00291	2.11503	0.010	-5.59792	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.81040	1.93450	0.010	-6.85506	30.00000	Averaged
152 1,2,4-Trimethylbenzene	1.53578	1.68403	0.010	-9.65333	30.00000	Averaged
155 1,3-Dichlorobenzene	1.08725	1.08805	0.010	-0.07363	30.00000	Averaged
156 1,4-Dichlorobenzene	1.27425	1.28064	0.010	-0.50158	30.00000	Averaged
157 alpha-Chlorotoluene	1.60452	1.89827	0.010	-18.30748	30.00000	Averaged
159 1,2-Dichlorobenzene	1.14355	1.12723	0.010	1.42688	30.00000	Averaged
163 1,2,4-Trichlorobenzene	0.81171	0.78113	0.010	3.76780	30.00000	Averaged
164 Hexachlorobutadiene	0.57027	0.56444	0.010	1.02148	30.00000	Averaged
142 Propylbenzene	2.35732	2.46811	0.010	-4.69978	30.00000	Averaged
136 Cumene	2.05825	2.07079	0.010	-0.60957	30.00000	Averaged
165 Naphthalene	2.70346	2.83040	0.010	-4.69527	30.00000	Averaged
17 Isopentane	3.09489	3.10386	0.010	-0.28985	30.00000	Averaged
11 Butane	0.52766	0.51817	0.010	1.79760	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 20-NOV-2007 08:46
Lab File ID: 5112002.d Init. Cal. Date(s): 12-NOV-2007 19-NOV-2007
Analysis Type: AIR Init. Cal. Times: 13:22 13:24
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-20nov.b/t14qn12b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
94 Methyl Cyclohexane	0.62237	0.58724	0.010	5.64521	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112002.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 20-NOV-2007 08:46
Operator : cb Inst ID: msd5.i
Smp Info : 50mL #1576-89
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:05 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.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
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	414029	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	330053			49.72- 109.72	79.72
8.059	8.059 (1.000)	49	914671			190.92- 250.92	220.92
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.939	9.939 (1.000)	114	1597898	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	267231			0.00- 46.72	16.72
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1184383	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	690713			0.00- 30.00	58.32
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	625093	25.0000	25.224	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	331359			27.88- 87.88	53.01
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.278)	98	1368782	25.0000	24.263	80.00- 120.00	100.00
12.704	12.704 (1.278)	70	144800			0.00- 40.29	10.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.278)	100	924945			37.87- 97.87	67.57
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	688227	25.0000	24.904	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	1101264			130.01- 190.01	160.01
16.575	16.575 (1.105)	176	660069			65.91- 125.91	95.91
6 Propylene					CAS #: 115-07-1		
2.308	2.308 (0.286)	41	1384389	50.0000	47.905	80.00- 120.00	100.00
2.308	2.308 (0.286)	42	950016			0.00- 30.00	68.62
2.308	2.308 (0.286)	39	930523			0.00- 30.00	67.22
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.363	2.363 (0.293)	85	2086511	50.0000	42.620	80.00- 120.00	100.00
2.363	2.363 (0.293)	87	676951			0.00- 30.00	32.44
9 Freon 114					CAS #: 76-14-2		
2.502	2.502 (0.310)	135	2257020	50.0000	50.517	80.00- 120.00	100.00
2.502	2.502 (0.310)	137	725118			2.13- 62.13	32.13
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	1819485	50.0000	49.495	80.00- 120.00	100.00
2.640	2.640 (0.328)	52	528841			0.00- 30.00	29.07
13 Vinyl Chloride					CAS #: 75-01-4		
2.806	2.806 (0.348)	62	1750644	50.0000	49.477	80.00- 120.00	100.00
2.806	2.806 (0.348)	64	534599			0.00- 30.00	30.54
12 1,3-Butadiene					CAS #: 106-99-0		
2.778	2.778 (0.345)	54	1601344	50.0000	52.993	80.00- 120.00	100.00
2.778	2.778 (0.345)	39	1733019			0.00- 30.00	108.22
15 Bromomethane					CAS #: 74-83-9		
3.331	3.331 (0.413)	94	1092912	50.0000	47.845	80.00- 120.00	100.00
3.331	3.331 (0.413)	96	1039497			65.11- 125.11	95.11
19 Chloroethane					CAS #: 75-00-3		
3.442	3.442 (0.427)	64	819938	50.0000	45.557	80.00- 120.00	100.00
3.442	3.442 (0.427)	49	235248			0.00- 30.00	28.69
3.442	3.442 (0.427)	66	226444			0.00- 30.00	27.62
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	2699124	50.0000	50.568	80.00- 120.00	100.00
3.746	3.746 (0.465)	103	1752198			34.92- 94.92	64.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.105	4.105 (0.509)	45	584028	50.0000	50.366	80.00- 120.00	100.00
4.105	4.105 (0.509)	43	114733			0.00- 30.00	19.65
4.105	4.105 (0.509)	46	230941			0.00- 30.00	39.54
30 Freon 113					CAS #: 76-13-1		
4.548	4.548 (0.564)	151	1690763	50.0000	50.944	80.00- 120.00	100.00
4.548	4.548 (0.564)	153	1058020			32.58- 92.58	62.58
4.548	4.548 (0.564)	101	2272018			104.38- 164.38	134.38
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	2227127	50.0000	50.704	80.00- 120.00	100.00
4.603	4.603 (0.571)	96	1246700			25.98- 85.98	55.98
4.603	4.603 (0.571)	98	802245			6.02- 66.02	36.02
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	811081	50.0000	49.368	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	2507717			0.00- 30.00	309.18
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	2926815	50.0000	50.058	80.00- 120.00	100.00
4.935	4.935 (0.612)	43	635520			0.00- 30.00	21.71
4.935	4.935 (0.612)	59	93086			0.00- 30.00	3.18
35 Carbon Disulfide					CAS #: 75-15-0		
4.935	4.935 (0.612)	76	3793004	50.0000	50.992	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.211	5.211 (0.647)	76	599106	50.0000	48.374	80.00- 120.00	100.00
5.211	5.211 (0.647)	41	2368924			0.00- 30.00	395.41
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.678)	49	1919630	50.0000	51.111	80.00- 120.00	100.00
5.460	5.460 (0.678)	84	1080229			26.27- 86.27	56.27
5.460	5.460 (0.678)	51	576158			0.00- 30.00	30.01
46 MTBE					CAS #: 1634-04-4		
5.792	5.792 (0.719)	73	1066374	50.0000	37.717	80.00- 120.00	100.00
5.792	5.792 (0.719)	57	333954			1.32- 61.32	31.32
5.792	5.792 (0.719)	41	371447			0.00- 30.00	34.83
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.847	5.847 (0.726)	96	1378744	50.0000	51.830	80.00- 120.00	100.00
5.847	5.847 (0.726)	61	2241529			132.58- 192.58	162.58
5.847	5.847 (0.726)	98	860449			0.00- 30.00	62.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.179	6.179 (0.767)	57	2880880	50.0000	53.256	80.00- 120.00	100.00
6.179	6.179 (0.767)	43	2018934			0.00- 30.00	70.08
6.179	6.179 (0.767)	86	386523			0.00- 30.00	13.42
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.621	6.621 (0.822)	63	2489561	50.0000	51.687	80.00- 120.00	100.00
6.621	6.621 (0.822)	65	760845			0.56- 60.56	30.56
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	574105	50.0000	49.389	80.00- 120.00	100.00
7.672	7.672 (0.952)	43	3480399			576.23- 636.23	606.23
7.672	7.672 (0.952)	57	244836			0.00- 30.00	42.65
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.644	7.644 (0.949)	61	1861849	50.0000	51.482	80.00- 120.00	100.00
7.644	7.644 (0.949)	96	1203929			34.66- 94.66	64.66
7.644	7.644 (0.949)	98	790269			12.45- 72.45	42.45
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	2078569	50.0000	48.026	80.00- 120.00	100.00
8.059	8.059 (1.000)	71	521885			0.00- 55.11	25.11
8.059	8.059 (1.000)	72	573659			0.00- 30.00	27.60
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	2045184	50.0000	50.116	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1343766			35.70- 95.70	65.70
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	2040229	50.0000	50.016	80.00- 120.00	100.00
8.446	8.446 (1.048)	99	1319109			34.65- 94.65	64.65
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	1643259	50.0000	50.006	80.00- 120.00	100.00
8.419	8.419 (1.045)	56	2632861			130.22- 190.22	160.22
8.419	8.419 (1.045)	41	1464843			59.14- 119.14	89.14
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	291574	50.0000	47.784	80.00- 120.00	100.00
6.677	6.677 (0.828)	43	3978950			0.00- 30.00	1364.64
6.677	6.677 (0.828)	42	298055			0.00- 30.00	102.22
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1788317	50.0000	53.098	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1860089			74.01- 134.01	104.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	7666882	50.0000	51.687	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	2533180			0.00- 30.00	33.04
9.110	9.110 (1.130)	41	1980108			0.00- 30.00	25.83
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.914)	78	3377978	50.0000	49.046	80.00- 120.00	100.00
9.082	9.082 (0.914)	77	747818			0.00- 30.00	22.14
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.933)	62	1583921	50.0000	50.200	80.00- 120.00	100.00
9.276	9.276 (0.933)	64	493555			0.00- 30.00	31.16
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.955)	100	406080	50.0000	52.787	80.00- 120.00	100.00
9.497	9.497 (0.955)	43	3165659			0.00- 30.00	779.57
9.497	9.497 (0.955)	71	1184157			0.00- 30.00	291.61
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.039)	95	1328031	50.0000	47.540	80.00- 120.00	100.00
10.354	10.354 (1.042)	130	1248102			63.98- 123.98	93.98
10.326	10.326 (1.039)	97	867802			35.35- 95.35	65.35
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.092)	63	1262946	50.0000	46.629	80.00- 120.00	100.00
10.852	10.852 (1.092)	62	890211			40.49- 100.49	70.49
10.852	10.852 (1.092)	41	890209			40.49- 100.49	70.49
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.114)	88	730170	50.0000	46.418	80.00- 120.00	100.00
11.073	11.073 (1.114)	58	699394			65.79- 125.79	95.79
11.073	11.073 (1.114)	57	223332			0.00- 30.00	30.59
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.147)	83	1885533	50.0000	48.276	80.00- 120.00	100.00
11.405	11.405 (1.147)	85	1227227			35.09- 95.09	65.09
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.239)	75	1395796	50.0000	50.423	80.00- 120.00	100.00
12.317	12.317 (1.239)	77	436744			1.29- 61.29	31.29
12.317	12.317 (1.239)	39	1000458			41.68- 101.68	71.68
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.267)	58	1172023	50.0000	51.943	80.00- 120.00	100.00
12.594	12.594 (1.267)	43	3242444			0.00- 30.00	276.65
12.621	12.621 (1.270)	85	371219			0.00- 30.00	31.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.289)	91	3251044	50.0000	45.756	80.00- 120.00	100.00
12.815	12.815 (1.289)	92	1938559			29.63- 89.63	59.63
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1364796	50.0000	54.542	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	431185			1.59- 61.59	31.59
13.368	13.368 (0.891)	39	948712			39.51- 99.51	69.51
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	1140550	50.0000	51.097	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	700811			31.45- 91.45	61.45
13.644	13.644 (0.910)	83	922186			50.85- 110.85	80.85
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	1328109	50.0000	51.189	80.00- 120.00	100.00
13.700	13.700 (0.913)	129	1068208			50.43- 110.43	80.43
13.700	13.700 (0.913)	131	1014490			46.39- 106.39	76.39
119 2-Hexanone					CAS #: 591-78-6		
14.031	14.031 (0.935)	58	1554657	50.0000	49.929	80.00- 120.00	100.00
14.004	14.004 (0.934)	43	3275053			180.66- 240.66	210.66
14.031	14.031 (0.935)	100	241292			0.00- 30.00	15.52
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1658951	50.0000	53.117	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1318588			0.00- 30.00	79.48
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1710717	50.0000	52.285	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1583410			62.56- 122.56	92.56
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	2506812	50.0000	49.186	80.00- 120.00	100.00
15.054	15.054 (1.004)	114	814343			2.49- 62.49	32.49
15.027	15.027 (1.002)	77	1557845			32.14- 92.14	62.14
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1405884	50.0000	51.059	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	4656005			0.00- 30.00	331.18
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1772641	50.0000	52.415	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	3756812			0.00- 30.00	211.93
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1607504	50.0000	49.985	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	3622068			195.32- 255.32	225.32
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	2582895	50.0000	54.474	80.00- 120.00	100.00
15.912	15.912 (1.061)	78	1368802			22.99- 82.99	52.99
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1510400	50.0000	54.266	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	772934			21.17- 81.17	51.17
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	2373367	50.0000	48.936	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1534040			34.64- 94.64	64.64
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	5010008	50.0000	52.799	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1463837			0.00- 59.22	29.22
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	4582389	50.0000	53.428	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	2179664			0.00- 30.00	47.57
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3989078	50.0000	54.827	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1832027			15.93- 75.93	45.93
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2577341	50.0000	50.037	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1616914			0.00- 30.00	62.74
17.764	17.764 (1.184)	111	1055211			0.00- 30.00	40.94
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	3033547	50.0000	50.251	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1953151			0.00- 30.00	64.39
17.847	17.847 (1.190)	111	1290593			0.00- 30.00	42.54
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	4496555	50.0000	59.154	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	864358			0.00- 30.00	19.22
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2670143	50.0000	49.286	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1710750			34.07- 94.07	64.07
18.206	18.206 (1.214)	111	1096688			11.07- 71.07	41.07

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1850304	50.0000	48.116	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1778856			66.14- 126.14	96.14
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1337037	50.0000	49.489	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	843190			33.06- 93.06	63.06
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	5846384	50.0000	52.350	80.00- 120.00	100.00
16.852	16.852 (1.123)	120	1260274			0.00- 30.00	21.56
16.824	16.824 (1.122)	105	213596			0.00- 30.00	3.65
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	4905225	50.0000	50.305	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1299146			0.00- 30.00	26.48
16.326	16.326 (1.088)	51	691408			0.00- 30.00	14.10
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	6704554	50.0000	52.348	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	823194			0.00- 30.00	12.28
17 Isopentane					CAS #: 78-78-4		
3.442	3.442 (0.427)	43	2570176	50.0000	50.145	80.00- 120.00	100.00
3.442	3.442 (0.427)	57	1608251			0.00- 30.00	62.57
3.442	3.442 (0.427)	72	160451			0.00- 30.00	6.24
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	429075	50.0000	49.101	80.00- 120.00	100.00
2.695	2.695 (0.334)	43	3211286			0.00- 30.00	748.42
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.575	10.575 (1.064)	83	1876699	50.0000	47.177	80.00- 120.00	100.00
10.575	10.575 (1.064)	98	960764			0.00- 30.00	51.19
10.548	10.548 (1.061)	55	2143363			0.00- 30.00	114.21

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112002.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 20-NOV-2007
Calibration Time: 11:02
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	320308	192185	448431	414029	29.26
92 1,4-Difluorobenze	1188165	712899	1663431	1597898	34.48
125 Chlorobenzene-d5	913805	548283	1279327	1184383	29.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.94	0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

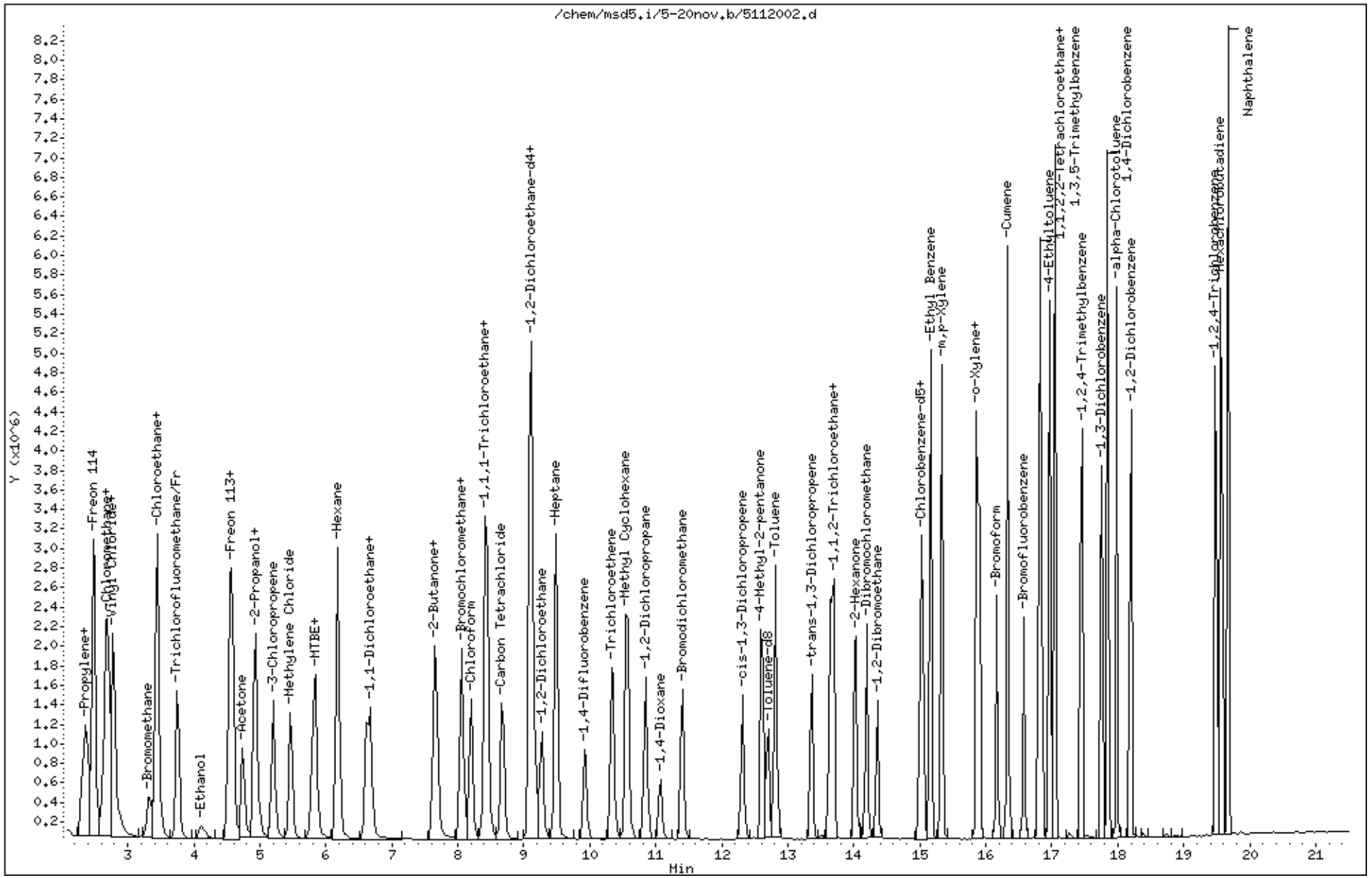
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0229

Data File: /chem/msd5.i/5-20nov.b/5112002.d
Date : 20-NOV-2007 08:46
Client ID: CCV-1
Sample Info: 50mL #1576-89

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711168-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 09:14 AM**	

Compound	%Recovery
Freon 12	106
Freon 114	98
Vinyl Chloride	97
Bromomethane	96
Chloroethane	83
Freon 11	99
1,1-Dichloroethene	110
Freon 113	109
Methylene Chloride	108
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	100
Chloroform	103
1,1,1-Trichloroethane	102
Carbon Tetrachloride	104
Benzene	99
1,2-Dichloroethane	103
Trichloroethene	96
1,2-Dichloropropane	92
cis-1,3-Dichloropropene	100
Toluene	97
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	100
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	96
Chlorobenzene	96
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	97
Styrene	98
1,1,2,2-Tetrachloroethane	96
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	100
alpha-Chlorotoluene	122
1,2-Dichlorobenzene	93
1,3-Butadiene	100
Hexane	105
Cyclohexane	101

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0711168-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5112003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/20/07 09:14 AM**	

Compound	**%Recovery**
Heptane	107
Bromodichloromethane	100
Dibromochloromethane	105
Cumene	101
Propylbenzene	107
Chloromethane	102
1,2,4-Trichlorobenzene	94
Hexachlorobutadiene	96
Acetone	106
Carbon Disulfide	99
2-Propanol	96
trans-1,2-Dichloroethene	103
2-Butanone (Methyl Ethyl Ketone)	98
Tetrahydrofuran	93
1,4-Dioxane	92
4-Methyl-2-pentanone	106
2-Hexanone	95
Bromoform	104
4-Ethyltoluene	106
Ethanol	80
Methyl tert-butyl ether	63
3-Chloropropene	95
2,2,4-Trimethylpentane	101
Naphthalene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	100	70-130

Report Date: 20-Nov-2007 16:00

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-20nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 50ppbv (100ppbv)

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8	Dichlorodifluorome	50.000	52.764	105.53	70-130
9	Freon 114	50.000	48.951	97.90	70-130
10	Chloromethane	50.000	51.214	102.43	70-130
13	Vinyl Chloride	50.000	48.420	96.84	70-130
12	1,3-Butadiene	50.000	50.281	100.56	60-140
15	Bromomethane	50.000	48.039	96.08	70-130
19	Chloroethane	50.000	41.674	83.35	70-130
20	Trichlorofluoromet	50.000	49.488	98.98	70-130
26	Ethanol	50.000	40.226	80.45	60-140
30	Freon 113	50.000	54.377	108.75	70-130
31	1,1-Dichloroethene	50.000	55.206	110.41	70-130
35	Carbon Disulfide	50.000	49.374	98.75	60-140
32	Acetone	50.000	53.014	106.03	60-140
36	2-Propanol	50.000	48.063	96.13	60-140
38	3-Chloropropene	50.000	47.732	95.46	60-140
43	Methylene Chloride	50.000	53.781	107.56	70-130
46	MTBE	50.000	31.588	63.18	60-140
47	trans-1,2-Dichloro	50.000	51.664	103.33	60-140
51	Hexane	50.000	52.462	104.92	60-140
55	1,1-Dichloroethane	50.000	51.386	102.77	70-130
66	cis-1,2-Dichloroet	50.000	49.886	99.77	70-130
67	2-Butanone	50.000	49.180	98.36	60-140
70	Tetrahydrofuran	50.000	46.603	93.21	60-140
72	Chloroform	50.000	51.315	102.63	70-130
74	Cyclohexane	50.000	50.477	100.95	60-140
75	1,1,1-Trichloroeth	50.000	50.888	101.78	70-130
56	Vinyl Acetate	50.000	46.566	93.13	60-140
77	Carbon Tetrachlori	50.000	52.001	104.00	70-130
80	2,2,4-Trimethylpen	50.000	50.568	101.14	60-140
81	Benzene	50.000	49.688	99.38	70-130
85	1,2-Dichloroethane	50.000	51.576	103.15	70-130
90	Heptane	50.000	53.378	106.76	60-140
93	Trichloroethene	50.000	47.808	95.62	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,2-Dichloropropan	50.000	46.115	92.23	70-130
99 1,4-Dioxane	50.000	46.235	92.47	60-140
100 Bromodichlorometha	50.000	50.096	100.19	60-140
103 cis-1,3-Dichloropr	50.000	49.973	99.95	70-130
106 4-Methyl-2-pentano	50.000	52.790	105.58	60-140
108 Toluene	50.000	48.649	97.30	70-130
113 trans-1,3-Dichloro	50.000	52.701	105.40	70-130
114 1,1,2-Trichloroeth	50.000	49.873	99.75	70-130
116 Tetrachloroethene	50.000	48.876	97.75	70-130
119 2-Hexanone	50.000	47.333	94.67	60-140
120 Dibromochlorometha	50.000	52.310	104.62	60-140
122 1,2-Dibromoethane	50.000	48.189	96.38	70-130
126 Chlorobenzene	50.000	48.227	96.45	70-130
128 Ethyl Benzene	50.000	47.717	95.43	70-130
130 m,p-Xylene	50.000	50.175	100.35	70-130
132 o-Xylene	50.000	48.518	97.04	70-130
133 Styrene	50.000	48.972	97.94	70-130
134 Bromoform	50.000	52.170	104.34	60-140
136 Cumene	50.000	50.397	100.79	60-140
141 1,1,2,2-Tetrachlor	50.000	48.275	96.55	70-130
142 Propylbenzene	50.000	53.560	107.12	60-140
144 4-Ethyltoluene	50.000	52.936	105.87	60-140
147 1,3,5-Trimethylben	50.000	51.359	102.72	70-130
152 1,2,4-Trimethylben	50.000	50.790	101.58	70-130
155 1,3-Dichlorobenzen	50.000	48.758	97.52	70-130
156 1,4-Dichlorobenzen	50.000	50.214	100.43	70-130
157 alpha-Chlorotoluen	50.000	61.171	122.34	70-130
159 1,2-Dichlorobenzen	50.000	46.515	93.03	70-130
163 1,2,4-Trichloroben	50.000	46.947	93.89	70-130
164 Hexachlorobutadien	50.000	47.829	95.66	70-130
6 Propylene	50.000	52.449	104.90	70-130
165 Naphthalene	50.000	51.672	103.34	60-140
11 Butane	50.000	50.942	101.88	70-130
17 Isopentane	50.000	48.774	97.55	70-130
94 Methyl Cyclohexane	50.000	49.497	98.99	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.136	96.55	70-130
$ 107 Toluene-d8	25.000	24.777	99.11	70-130
$ 138 Bromofluorobenzene	25.000	25.088	100.35	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-20nov.b/5112003.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 20-NOV-2007 09:14
Operator : cb Inst ID: msd5.i
Smp Info : 100mL #1443-302A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /chem/msd5.i/5-20nov.b/t14qn12b.m
Meth Date : 20-Nov-2007 16:00 ctaylor Quant Type: ISTD
Cal Date : 19-NOV-2007 13:24 Cal File: 5111913.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 (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	329952	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	260063			49.72- 109.72	78.82
8.059	8.059 (1.000)	49	733231			190.92- 250.92	222.22
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1260252	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	208712			0.00- 46.72	16.56
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	971649	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	565860			0.00- 30.00	58.24
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	476680	24.1363	24.136	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	270695			27.88- 87.88	56.79
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1102398	24.7767	24.777	80.00- 120.00	100.00
12.677	12.704 (1.279)	70	116055			0.00- 40.29	10.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	731409			37.87- 97.87	66.35
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	568784	25.0880	25.088	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	892074			130.01- 190.01	156.84
16.575	16.575 (1.105)	176	540575			65.91- 125.91	95.04
6 Propylene					CAS #: 115-07-1		
2.280	2.308 (0.283)	41	1207921	52.4493	52.449	80.00- 120.00	100.00
2.280	2.308 (0.283)	42	793963			0.00- 30.00	65.73
2.280	2.308 (0.283)	39	777203			0.00- 30.00	64.34
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.363 (0.290)	85	2058559	52.7638	52.764	80.00- 120.00	100.00
2.336	2.363 (0.290)	87	664265			0.00- 30.00	32.27
9 Freon 114					CAS #: 76-14-2		
2.474	2.502 (0.307)	135	1742937	48.9513	48.951	80.00- 120.00	100.00
2.474	2.502 (0.307)	137	554807			2.13- 62.13	31.83
10 Chloromethane					CAS #: 74-87-3		
2.612	2.640 (0.324)	50	1500358	51.2144	51.214	80.00- 120.00	100.00
2.612	2.640 (0.324)	52	453179			0.00- 30.00	30.20
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.806 (0.345)	62	1365314	48.4195	48.420	80.00- 120.00	100.00
2.778	2.806 (0.345)	64	413373			0.00- 30.00	30.28
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.778 (0.341)	54	1210847	50.2809	50.281	80.00- 120.00	100.00
2.750	2.778 (0.341)	39	1215506			0.00- 30.00	100.38
15 Bromomethane					CAS #: 74-83-9		
3.276	3.331 (0.406)	94	874516	48.0395	48.039	80.00- 120.00	100.00
3.276	3.331 (0.406)	96	837989			65.11- 125.11	95.82
19 Chloroethane					CAS #: 75-00-3		
3.414	3.442 (0.424)	64	597734	41.6740	41.674	80.00- 120.00	100.00
3.414	3.442 (0.424)	49	173134			0.00- 30.00	28.97
3.414	3.442 (0.424)	66	180525			0.00- 30.00	30.20
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.746 (0.461)	101	2105040	49.4876	49.488	80.00- 120.00	100.00
3.718	3.746 (0.461)	103	1334361			34.92- 94.92	63.39

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.078	4.105 (0.506)	45	371728	40.2262	40.226	80.00- 120.00	100.00
4.078	4.105 (0.506)	43	65679			0.00- 30.00	17.67
4.105	4.105 (0.509)	46	150809			0.00- 30.00	40.57
30 Freon 113					CAS #: 76-13-1		
4.520	4.548 (0.561)	151	1438220	54.3770	54.377	80.00- 120.00	100.00
4.520	4.548 (0.561)	153	904661			32.58- 92.58	62.90
4.520	4.548 (0.561)	101	1975088			104.38- 164.38	137.33
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	1932448	55.2062	55.206	80.00- 120.00	100.00
4.575	4.603 (0.568)	96	1067260			25.98- 85.98	55.23
4.575	4.603 (0.568)	98	683978			6.02- 66.02	35.39
32 Acetone					CAS #: 67-64-1		
4.714	4.741 (0.585)	58	694111	53.0144	53.014	80.00- 120.00	100.00
4.714	4.741 (0.585)	43	2052957			0.00- 30.00	295.77
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	2239487	48.0629	48.063	80.00- 120.00	100.00
4.935	4.935 (0.612)	43	483321			0.00- 30.00	21.58
4.935	4.935 (0.612)	59	76483			0.00- 30.00	3.42
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.935 (0.609)	76	2926792	49.3736	49.374	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.211 (0.643)	76	471107	47.7316	47.732	80.00- 120.00	100.00
5.184	5.211 (0.643)	41	1794567			0.00- 30.00	380.93
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.678)	49	1609727	53.7808	53.781	80.00- 120.00	100.00
5.460	5.460 (0.678)	84	922042			26.27- 86.27	57.28
5.460	5.460 (0.678)	51	496158			0.00- 30.00	30.82
46 MTBE					CAS #: 1634-04-4		
5.764	5.792 (0.715)	73	711722	31.5881	31.588	80.00- 120.00	100.00
5.764	5.792 (0.715)	57	216141			1.32- 61.32	30.37
5.764	5.792 (0.715)	41	249654			0.00- 30.00	35.08
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.847 (0.722)	96	1095248	51.6639	51.664	80.00- 120.00	100.00
5.819	5.847 (0.722)	61	1754793			132.58- 192.58	160.22
5.819	5.847 (0.722)	98	707744			0.00- 30.00	64.62

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.179 (0.763)	57	2261635	52.4623	52.462	80.00- 120.00	100.00
6.151	6.179 (0.763)	43	1573226			0.00- 30.00	69.56
6.179	6.179 (0.767)	86	320148			0.00- 30.00	14.16
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.621 (0.818)	63	1972444	51.3861	51.386	80.00- 120.00	100.00
6.594	6.621 (0.818)	65	610637			0.56- 60.56	30.96
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	455586	49.1800	49.180	80.00- 120.00	100.00
7.644	7.672 (0.949)	43	2619657			576.23- 636.23	575.01
7.644	7.672 (0.949)	57	197386			0.00- 30.00	43.33
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.644 (0.945)	61	1437742	49.8856	49.886	80.00- 120.00	100.00
7.617	7.644 (0.945)	96	973182			34.66- 94.66	67.69
7.617	7.644 (0.945)	98	624648			12.45- 72.45	43.45
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.059 (0.997)	42	1607416	46.6032	46.603	80.00- 120.00	100.00
8.031	8.059 (0.997)	71	404880			0.00- 55.11	25.19
8.031	8.059 (0.997)	72	443057			0.00- 30.00	27.56
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1668885	51.3153	51.315	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1088106			35.70- 95.70	65.20
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.419	8.446 (1.045)	97	1654265	50.8882	50.888	80.00- 120.00	100.00
8.419	8.446 (1.045)	99	1058302			34.65- 94.65	63.97
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	1321896	50.4772	50.477	80.00- 120.00	100.00
8.391	8.419 (1.041)	56	2094542			130.22- 190.22	158.45
8.391	8.419 (1.041)	41	1183878			59.14- 119.14	89.56
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.677 (0.825)	86	226443	46.5664	46.566	80.00- 120.00	100.00
6.649	6.677 (0.825)	43	3217509			0.00- 30.00	1420.89
6.649	6.677 (0.825)	42	232223			0.00- 30.00	102.55
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1395731	52.0010	52.001	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1472113			74.01- 134.01	105.47

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	5977622	50.5679	50.568	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	1994565			0.00- 30.00	33.37
9.110	9.110 (1.130)	41	1579356			0.00- 30.00	26.42
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	2699086	49.6886	49.688	80.00- 120.00	100.00
9.082	9.082 (0.916)	77	615235			0.00- 30.00	22.79
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	1283477	51.5761	51.576	80.00- 120.00	100.00
9.276	9.276 (0.936)	64	408264			0.00- 30.00	31.81
90 Heptane					CAS #: 142-82-5		
9.469	9.497 (0.955)	100	323856	53.3781	53.378	80.00- 120.00	100.00
9.469	9.497 (0.955)	43	2523948			0.00- 30.00	779.34
9.469	9.497 (0.955)	71	933605			0.00- 30.00	288.28
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	1053316	47.8078	47.808	80.00- 120.00	100.00
10.326	10.354 (1.042)	130	1013503			63.98- 123.98	96.22
10.326	10.326 (1.042)	97	676207			35.35- 95.35	64.20
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.824	10.852 (1.092)	63	985100	46.1152	46.115	80.00- 120.00	100.00
10.824	10.852 (1.092)	62	710181			40.49- 100.49	72.09
10.824	10.852 (1.092)	41	706009			40.49- 100.49	71.67
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	573614	46.2351	46.235	80.00- 120.00	100.00
11.073	11.073 (1.117)	58	539063			65.79- 125.79	93.98
11.073	11.073 (1.117)	57	169831			0.00- 30.00	29.61
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1543180	50.0966	50.096	80.00- 120.00	100.00
11.405	11.405 (1.151)	85	990585			35.09- 95.09	64.19
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1091028	49.9733	49.973	80.00- 120.00	100.00
12.317	12.317 (1.243)	77	349920			1.29- 61.29	32.07
12.317	12.317 (1.243)	39	812850			41.68- 101.68	74.50
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	939440	52.7904	52.790	80.00- 120.00	100.00
12.594	12.594 (1.271)	43	2606536			0.00- 30.00	277.46
12.594	12.621 (1.271)	85	297309			0.00- 30.00	31.65

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	2726158	48.6489	48.649	80.00- 120.00	100.00
12.815	12.815 (1.293)	92	1628436			29.63- 89.63	59.73
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1081867	52.7015	52.701	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	342527			1.59- 61.59	31.66
13.340	13.368 (0.889)	39	760601			39.51- 99.51	70.30
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	913267	49.8727	49.873	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	556655			31.45- 91.45	60.95
13.644	13.644 (0.910)	83	738148			50.85- 110.85	80.82
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	1040320	48.8760	48.876	80.00- 120.00	100.00
13.672	13.700 (0.912)	129	846074			50.43- 110.43	81.33
13.672	13.700 (0.912)	131	801061			46.39- 106.39	77.00
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.031 (0.934)	58	1209117	47.3334	47.333	80.00- 120.00	100.00
14.004	14.004 (0.934)	43	2501849			180.66- 240.66	206.92
14.031	14.031 (0.935)	100	187005			0.00- 30.00	15.47
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1340312	52.3103	52.310	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1057471			0.00- 30.00	78.90
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1293505	48.1895	48.189	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1257568			62.56- 122.56	97.22
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.054 (1.002)	112	2016458	48.2269	48.227	80.00- 120.00	100.00
15.027	15.054 (1.002)	114	642034			2.49- 62.49	31.84
15.027	15.027 (1.002)	77	1246778			32.14- 92.14	61.83
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1077890	47.7174	47.717	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	3652668			0.00- 30.00	338.87
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1392089	50.1751	50.175	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	2961118			0.00- 30.00	212.71
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1280079	48.5185	48.518	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	2978158			195.32- 255.32	232.65
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	1904956	48.9718	48.972	80.00- 120.00	100.00
15.912	15.912 (1.061)	78	1006604			22.99- 82.99	52.84
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1191234	52.1696	52.170	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	618515			21.17- 81.17	51.92
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	1920788	48.2750	48.275	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1224483			34.64- 94.64	63.75
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	4120795	52.9360	52.936	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1184530			0.00- 59.22	28.75
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	3613763	51.3589	51.359	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	1742491			0.00- 30.00	48.22
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3031661	50.7905	50.790	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1398490			15.93- 75.93	46.13
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2060370	48.7580	48.758	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1303718			0.00- 30.00	63.28
17.764	17.764 (1.184)	111	837146			0.00- 30.00	40.63
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	2486867	50.2143	50.214	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1566066			0.00- 30.00	62.97
17.847	17.847 (1.190)	111	1061539			0.00- 30.00	42.69
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	3814726	61.1714	61.171	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	721371			0.00- 30.00	18.91
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2067344	46.5146	46.515	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1323390			34.07- 94.07	64.01
18.206	18.206 (1.214)	111	838246			11.07- 71.07	40.55

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1481076	46.9470	46.947	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1402491			66.14- 126.14	94.69
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1060094	47.8294	47.829	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	648781			33.06- 93.06	61.20
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	4907131	53.5598	53.560	80.00- 120.00	100.00
16.824	16.852 (1.122)	120	1080609			0.00- 30.00	22.02
16.824	16.824 (1.122)	105	167121			0.00- 30.00	3.41
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	4031552	50.3971	50.397	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1080850			0.00- 30.00	26.81
16.326	16.326 (1.088)	51	575880			0.00- 30.00	14.28
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	5429309	51.6719	51.672	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	661695			0.00- 30.00	12.19
17 Isopentane					CAS #: 78-78-4		
3.414	3.442 (0.424)	43	1992271	48.7745	48.774	80.00- 120.00	100.00
3.414	3.442 (0.424)	57	1253724			0.00- 30.00	62.93
3.414	3.442 (0.424)	72	119316			0.00- 30.00	5.99
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	354765	50.9424	50.942	80.00- 120.00	100.00
2.695	2.695 (0.334)	43	2568783			0.00- 30.00	724.08
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.548	10.575 (1.064)	83	1552931	49.4975	49.497	80.00- 120.00	100.00
10.548	10.575 (1.064)	98	783369			0.00- 30.00	50.44
10.548	10.548 (1.064)	55	1805712			0.00- 30.00	116.28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5112003.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd5.i/5-20nov.b/t14qn12b.m
Misc Info: 50ppbv (100ppbv)

Calibration Date: 20-NOV-2007
Calibration Time: 08:46
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	414029	248417	579641	329952	-20.31
92 1,4-Difluorobenze	1597898	958739	2237057	1260252	-21.13
125 Chlorobenzene-d5	1184383	710630	1658136	971649	-17.96

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

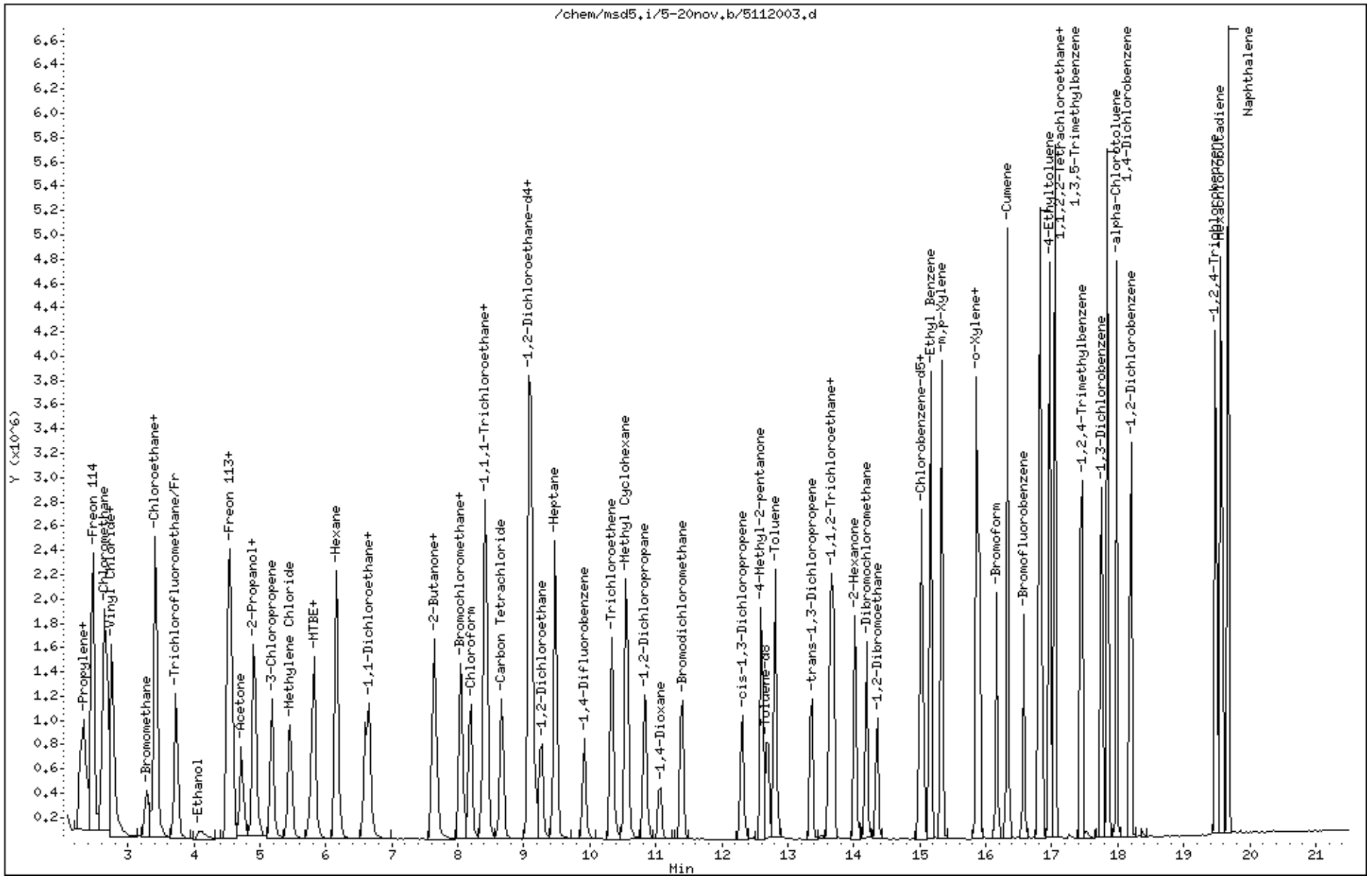
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0243

Data File: /chem/msd5.i/5-20nov.b/5112003.d
Date : 20-NOV-2007 09:14
Client ID: LCS-1
Sample Info: 100mL #1443-302A

Instrument: msd5.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



@ Air Toxics Ltd. **MSD-5** **Logbook #: 1586**

0244

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.25
75	30.0 – 60.0% of mass 95	47.21
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	7.04
173	Less than 2.0% of mass 174	(0.62)[1]
174	Greater than 50.0% of mass 95	66.12
175	5.0 – 9.0% of mass 174	(7.59)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.04)[1]
177	5.0 – 9.0% of mass 176	(6.41)[2]

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

BFB Injection Date: 11/20/07
BFB Injection Time: 0816
BFB File ID: 5112001
Tekmar Purge Flow:
Vacuum: 6.39×10^{-6} torr

IS/S Std.#:	1487-407	Exp. Date: 1/24/08
BCM	414029	
1,4-DFB	1597898	
CB-d5	1184383	

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

Verify 176/174 m/z Ratio: (58364 / 60786) x100 = 96.050

NOAH Cart #: ~~Ash~~ Subdued **File #:**

Calculation Check:

$$\text{ppbv of compound} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 136782\ )}{(\ 1597898\ )} \times \frac{(\ 25.000\ )}{(\ 0.88263\ )} = 24.2631$$

24.263

Reported Result ~~25.224~~ 25.112dup7

File ID:	5112002
Compound:	Toluene d8
Initials:	SS

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5112001	BFB Tune Check	1476-65	50mg	2uL	1.00	11/20/07	0816	CB	
2	✓	02	CCV-1 (200ppbv)	1576-89	50ppbv	50mL			0846	CB	
3	✓	03	LCS-1 (100ppbv)	1493-302A	50ppbv	100mL			0914	CB	
4	X	04	Lab Blank	13673	Humid	200mL			1009	CB	Cert Cart #15 leg 7
5	✓	05	CCV sp (200ppbv)	1487-405	50ppbv	50mL			1102	CB	
6	✓	06	LCSD (100ppbv)	1493-302A	50ppbv	100mL			1203	CB	
7	✓	07	Lab Blank	13673	Humid	200mL	↓		1302	CB	Cert Cart #14 leg 8
8	✓	08	0711254 - 01A	4396	0.4psi-5psi	200ml	1.30		1402	SS	
9	✓	09	0711142 01A	1471	1.0psi-5psi	35ml	2.33		1430	SS	
10	✓	10	0711168 - 01A	915	0.5psi-5psi	200ml	1.71	↓	1502	SS	

11	✓	5112011	0711168 - 02A	34482	6.5"Hg - 5psi	200ml	1.71	11/20/07	1534	SMS		
12	✓	↓ 12	↓ 02AA	↓	↓ ↓	↓	↓		1637	SS		
13	✓	51120 13	0711370A - 04A	34483	6.5"Hg - 5psi	200ml	1.71		1717	SS		
14	✓	14	0711370A - 04AA	↓	↓	↓	↓		1749	SMS		
15	X	15	0714279A - 01A	22205	8.5"Hg	40ml	2820		1817	SS	200x add 20ml	
16	✓	16	0711168 - 03A	3732	5.5"Hg	200ml	1.96		1845	SMS		
17	✓	17	↓ 04A	24229	4.5psi - 4psi	↓	1.90		1921	SMS		
18	✓	18	0711141 - 01A	34597	5.0"Hg - 5psi	100ml	4.84		1950	SS		
19		19	02A	2048	↓	7.0ml	69.1					
20		20	03A	12030	4.5"Hg	5.0ml	95.2					
21		↓ 21	↓ 04A	1479	↓ ↓	40ml	11.9					
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

0245

Comments:

Signature

11/20/07
Date

Air Toxics Ltd.

Data file : /chem/msd5.i/5-12nov.b/5111205.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 12-NOV-2007 12:01
Operator : cb Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #1476-65 50 ng
Comment :
Method : /var/chem/msd5.i/5-12nov.b/bfb30.m
Meth Date : 12-Nov-2007 11:51 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

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

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)		
RT	EXP RT	DLT RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.803	3.900	-0.097	95	996608			100.00- 100.00	100.00
3.803	3.900	-0.097	50	261056			15.00- 40.00	26.19
3.803	3.900	-0.097	75	425344			30.00- 60.00	42.68
3.803	3.900	-0.097	96	63608			5.00- 9.00	6.38
3.803	3.900	-0.097	173	6008			0.00- 2.00	0.85
3.803	3.900	-0.097	174	705472			50.00- 100.00	70.79
3.803	3.900	-0.097	175	51496			5.00- 9.00	7.30
3.803	3.900	-0.097	176	681408			95.00- 101.00	96.59
3.803	3.900	-0.097	177	42960			5.00- 9.00	6.30

Data File: /chem/msd5.i/5-12nov.b/5111205.d

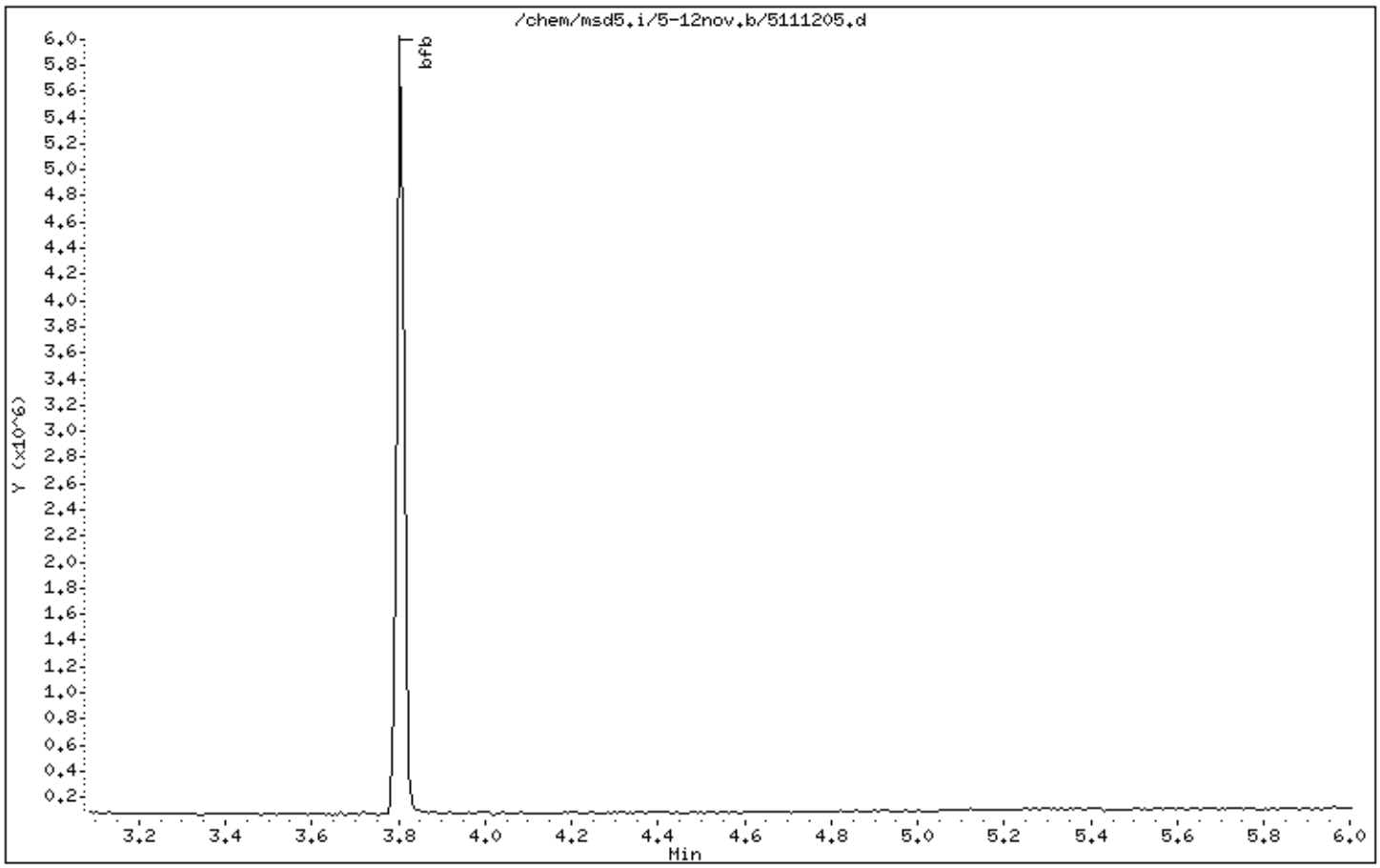
Date : 12-NOV-2007 12:01

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /chem/msd5.i/5-12nov.b/5111205.d

Date : 12-NOV-2007 12:01

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

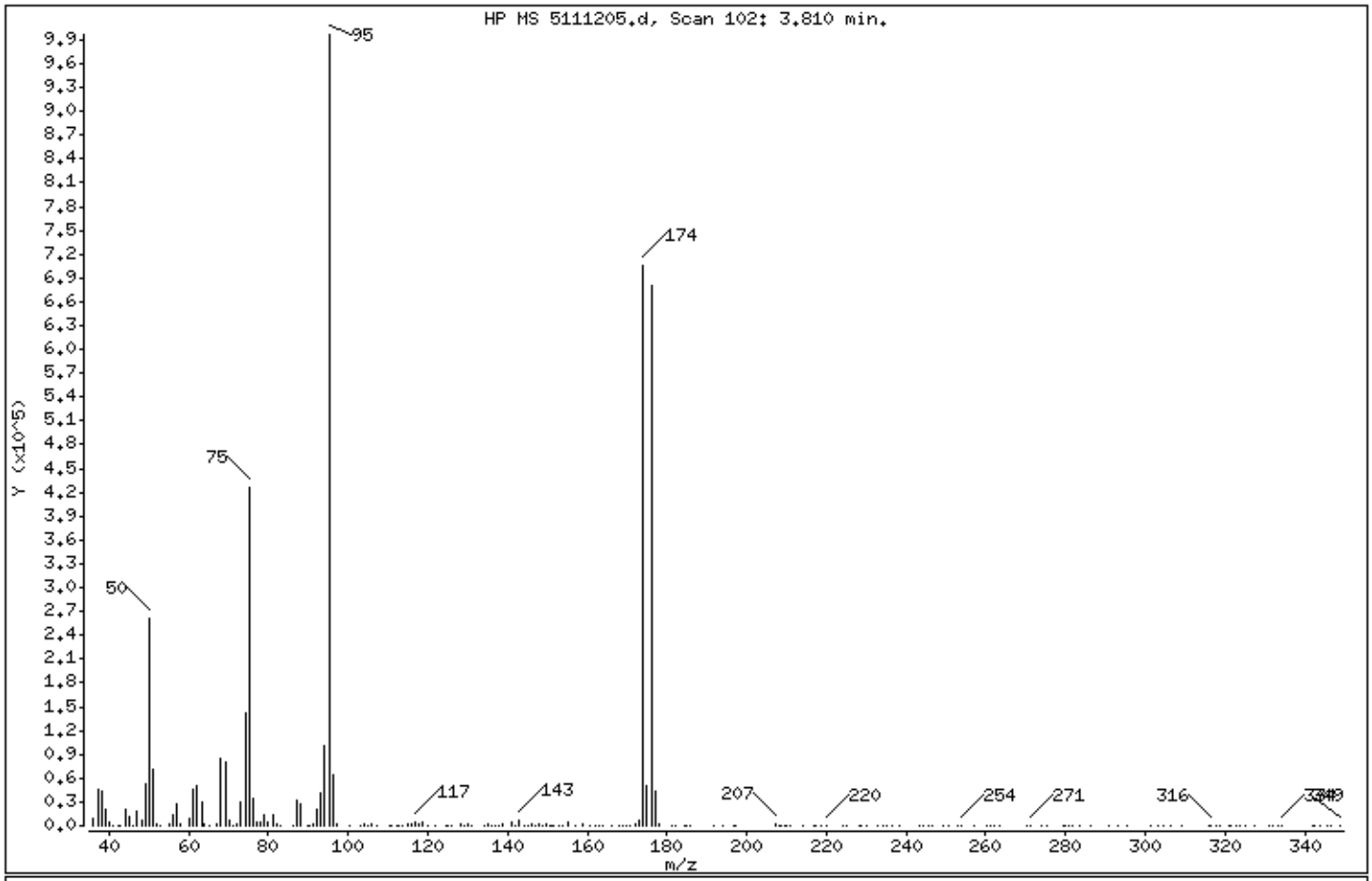
Volume Injected (uL): 1.0

Operator: cb

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	26.19
75	30.00 - 60.00% of mass 95	42.68
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.60 (0.85)
174	50.00 - 100.00% of mass 95	70.79
175	5.00 - 9.00% of mass 174	5.17 (7.30)
176	95.00 - 101.00% of mass 174	68.37 (96.59)
177	5.00 - 9.00% of mass 176	4.31 (6.30)

Date : 12-NOV-2007 12:01

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 5111205.d
Spectrum: HP MS 5111205.d, Scan 102: 3.810 min.
Location of Maximum: 95.10
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9119	92.00	20568	154.00	392	244.30	205
37.10	44888	93.10	40256	155.00	3494	245.40	292
38.10	43232	94.00	99728	157.00	962	246.60	295
39.10	21016	95.10	996608	158.90	1547	249.50	326
40.00	4505	96.10	63608	160.80	583	250.80	156
40.90	227	97.20	1564	162.10	150	253.10	202
42.10	175	100.30	362	162.80	546	254.00	786
42.80	1108	103.00	367	163.90	238	257.10	380
44.00	20088	103.90	2549	166.30	320	260.10	258
45.00	11319	105.00	1117	167.90	155	261.00	341
46.10	661	105.90	2508	168.70	285	262.00	380
47.00	18032	107.00	868	169.80	420	263.40	474
48.10	7435	110.20	391	170.80	868	270.10	182
49.10	51760	110.70	232	172.00	1941	271.10	821
50.10	261056	112.10	497	173.00	6008	274.10	189
51.10	72008	112.90	524	174.00	705472	275.10	367
52.10	2399	113.80	276	175.00	51496	279.30	210
52.90	405	114.90	1352	176.00	681408	280.10	225
55.20	2972	115.90	2761	177.00	42960	280.70	597
56.00	13678	116.90	3675	177.90	1240	281.70	806
57.10	26512	117.90	2302	181.30	275	283.60	396
58.00	2348	118.80	3444	181.90	232	286.50	239
60.10	8860	120.00	168	184.40	161	290.70	254
61.00	45368	122.00	842	185.00	383	293.20	451
62.00	50064	124.50	228	185.70	165	295.30	170
63.10	30528	125.10	301	191.50	399	301.50	170
64.00	2443	126.00	1056	194.00	311	303.10	182
65.10	751	128.00	2999	196.60	182	304.40	153
67.00	1799	129.10	1003	197.00	158	306.30	157
68.10	84984	129.90	3268	207.20	1736	309.10	332
69.10	81088	130.90	918	208.20	738	315.80	175
70.10	6873	134.00	440	208.80	169	316.50	524
71.00	334	134.90	1206	209.50	172	317.70	269
72.10	2580	135.90	222	210.10	339	318.80	417
73.00	29608	136.70	1066	210.70	570	320.90	356

Date : 12-NOV-2007 12:01

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 5111205.d
Spectrum: HP MS 5111205.d, Scan 102: 3.810 min.
Location of Maximum: 95.10
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.10	142848	137.70	454	214.00	180	321.40	152
75.10	425344	138.90	1422	217.00	487	322.70	160
76.00	33808	141.00	4191	217.50	284	323.70	157
77.00	3544	142.00	483	218.50	367	325.30	229
78.10	4667	142.90	7506	219.90	868	327.60	271
78.90	13334	144.20	439	224.10	432	331.10	340
79.90	3485	145.10	762	225.00	162	332.00	188
81.00	14052	145.90	1790	228.20	208	333.40	234
82.00	3233	147.10	501	228.70	156	334.10	704
83.10	374	148.00	1524	230.00	819	341.90	268
86.10	409	148.70	465	232.90	340	342.40	175
87.10	31552	149.70	1469	234.00	756	343.80	499
88.00	28288	150.70	406	235.20	153	345.80	155
89.70	283	151.20	548	236.70	256	346.80	220
90.30	1033	151.70	702	238.50	650	348.80	191
91.00	3140	153.10	1101	243.30	371		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-13nov.b/5111301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 13-NOV-2007 11:36
Operator : ct Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #1476-65 50 ng
Comment :
Method : /var/chem/msd5.i/5-13nov.b/bfb30.m
Meth Date : 13-Nov-2007 09:26 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		
3.810	3.900	-0.090	95	634304			100.00- 100.00	100.00
3.810	3.900	-0.090	50	169086			15.00- 40.00	26.66
3.810	3.900	-0.090	75	288885			30.00- 60.00	45.54
3.810	3.900	-0.090	96	41776			5.00- 9.00	6.59
3.810	3.900	-0.090	173	1600			0.00- 2.00	0.41
3.810	3.900	-0.090	174	389406			50.00- 100.00	61.39
3.810	3.900	-0.090	175	29272			5.00- 9.00	7.52
3.810	3.900	-0.090	176	379392			95.00- 101.00	97.43
3.810	3.900	-0.090	177	23577			5.00- 9.00	6.21

Data File: /var/chem/msd5.i/5-13nov.b/5111301.d

Date : 13-NOV-2007 11:36

Client ID: BFB

Instrument: msd5.i

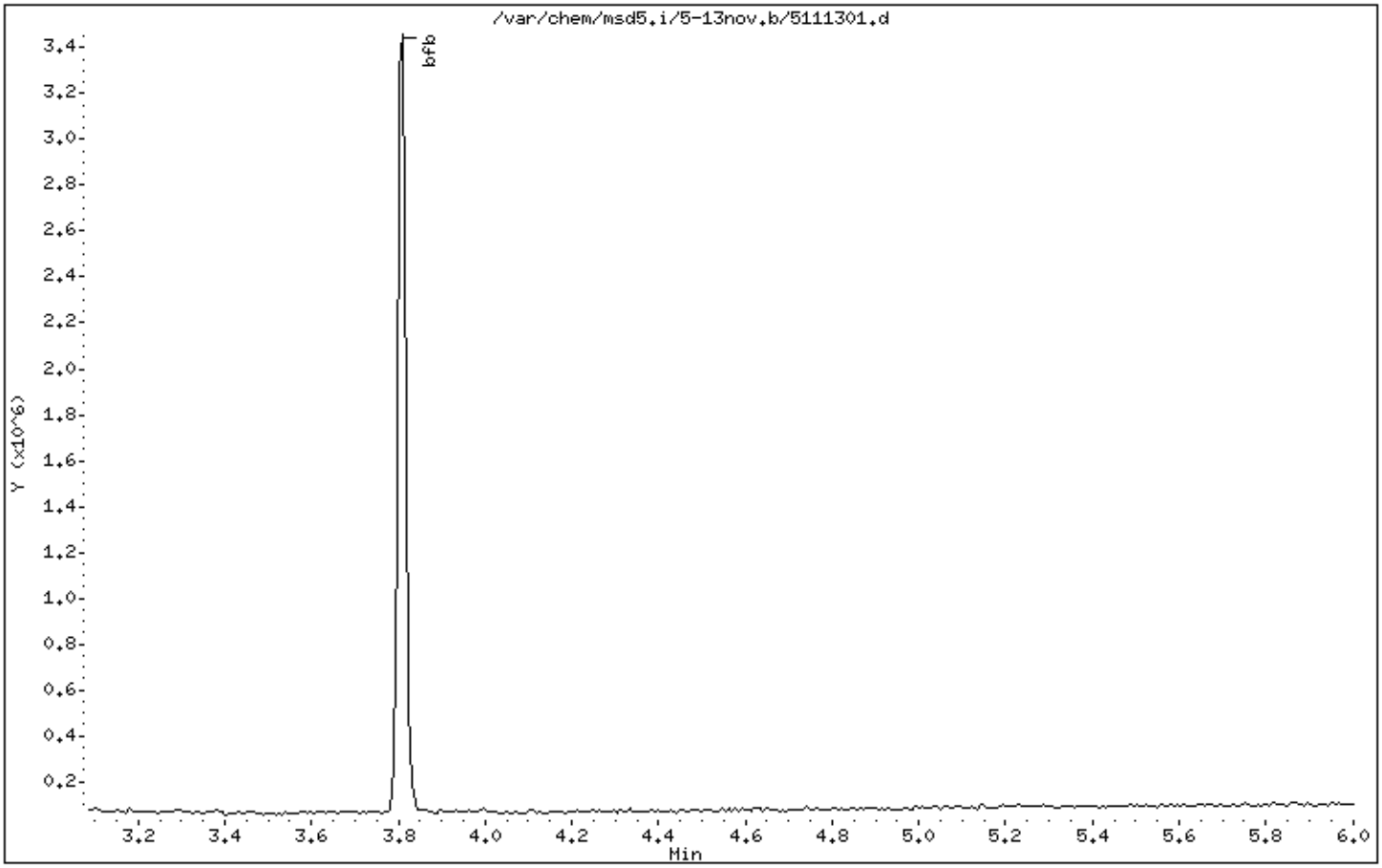
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: ct

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd5.i/5-13nov.b/5111301.d

Date : 13-NOV-2007 11:36

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

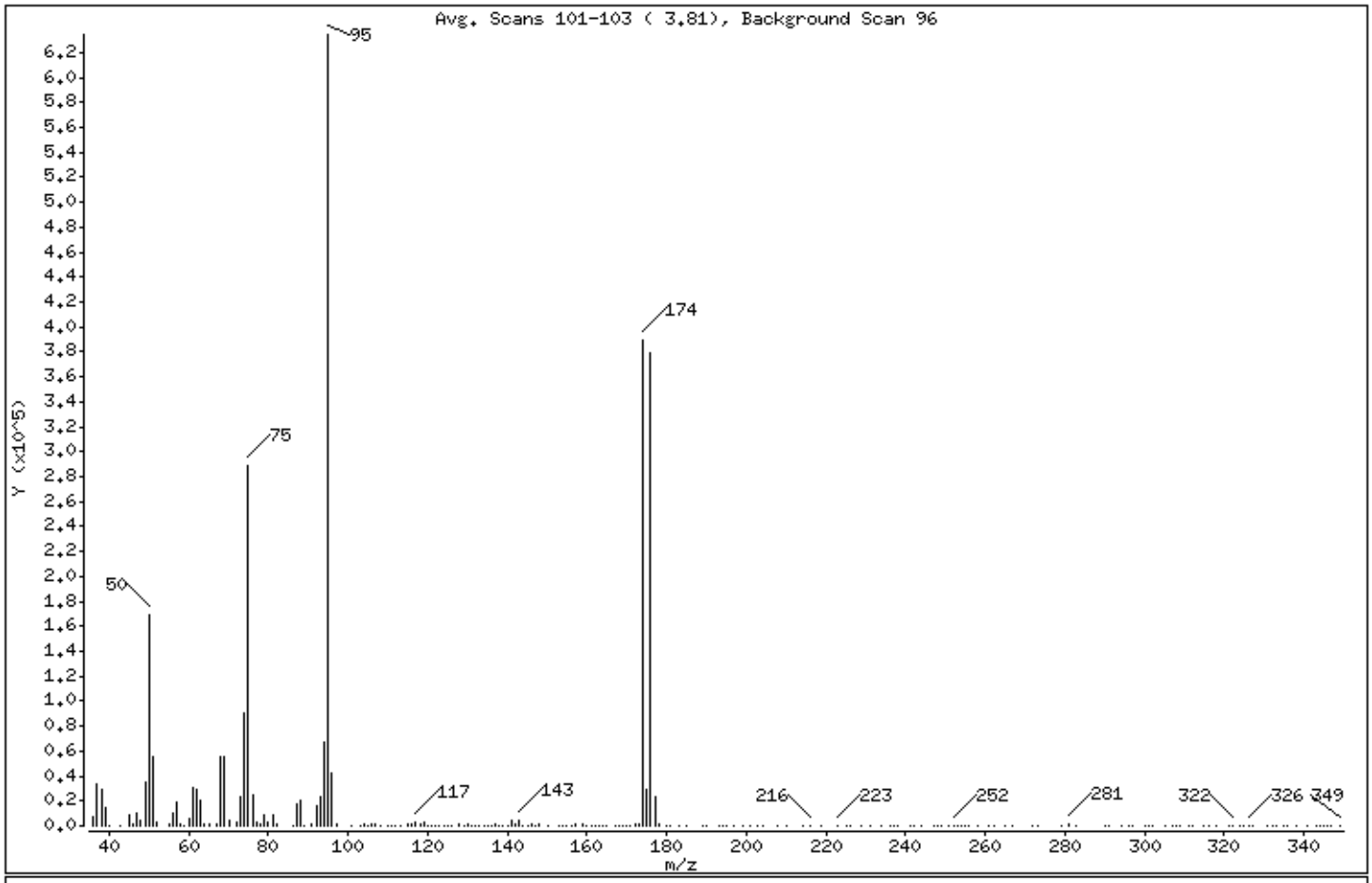
Volume Injected (uL): 1.0

Operator: ct

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	26.66
75	30.00 - 60.00% of mass 95	45.54
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.25 (0.41)
174	50.00 - 100.00% of mass 95	61.39
175	5.00 - 9.00% of mass 174	4.61 (7.52)
176	95.00 - 101.00% of mass 174	59.81 (97.43)
177	5.00 - 9.00% of mass 176	3.72 (6.21)

Date : 13-NOV-2007 11:36

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ct

Column phase: Column diameter: 2.00

Data File: 5111301.d
Spectrum: Avg. Scans 101-103 (3.81), Background Scan 96
Location of Maximum: 95.00
Number of points: 206

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7266	103.00	533	162.00	54	253.00	15
37.00	33640	104.00	1547	163.00	282	254.00	286
38.00	29152	105.00	137	164.00	203	255.00	42
39.00	14159	106.00	1845	165.00	95	256.00	92
40.00	652	107.00	944	167.00	253	258.00	172
43.00	10	108.00	313	168.00	522	261.00	93
45.00	8414	110.00	249	169.00	274	262.00	245
46.00	980	111.00	600	170.00	683	265.00	211
47.00	9950	112.00	352	171.00	702	267.00	311
48.00	4612	113.00	69	172.00	1887	272.00	183
49.00	35008	115.00	1006	173.00	1600	273.00	131
50.00	169024	116.00	814	174.00	389376	279.00	343
51.00	56072	117.00	2882	175.00	29272	281.00	762
52.00	2489	118.00	1225	176.00	379392	283.00	99
55.00	1699	119.00	2811	177.00	23576	290.00	259
56.00	9519	120.00	208	178.00	1449	291.00	219
57.00	18488	121.00	90	180.00	56	294.00	84
58.00	835	122.00	139	181.00	268	296.00	108
59.00	259	123.00	265	183.00	74	297.00	140
60.00	6272	124.00	110	185.00	214	300.00	231
61.00	30008	125.00	602	189.00	142	301.00	72
62.00	28472	126.00	592	190.00	109	302.00	112
63.00	20720	128.00	1149	193.00	36	305.00	256
64.00	1581	129.00	466	194.00	221	307.00	170
65.00	817	130.00	2024	195.00	118	308.00	78
67.00	961	131.00	634	197.00	65	309.00	51
68.00	54800	132.00	160	199.00	77	311.00	61
69.00	54816	133.00	310	201.00	118	312.00	161
70.00	3978	134.00	455	203.00	130	315.00	87
72.00	2245	135.00	515	204.00	62	316.00	229
73.00	23784	136.00	91	208.00	21	318.00	260
74.00	89960	137.00	922	210.00	82	321.00	121
75.00	288832	138.00	564	214.00	86	322.00	631
76.00	25160	139.00	326	216.00	247	324.00	126
77.00	2419	140.00	347	219.00	232	325.00	87

Date : 13-NOV-2007 11:36

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ct

Column phase: Column diameter: 2.00

Data File: 5111301.d
Spectrum: Avg. Scans 101-103 (3.81), Background Scan 96
Location of Maximum: 95.00
Number of points: 206

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	1213	141.00	3959	223.00	276	326.00	440
79.00	9390	142.00	793	225.00	122	327.00	57
80.00	2355	143.00	5060	226.00	91	331.00	147
81.00	8687	144.00	53	229.00	255	332.00	134
82.00	1771	145.00	147	231.00	154	333.00	116
86.00	440	146.00	814	234.00	62	335.00	89
87.00	17888	147.00	20	236.00	75	336.00	319
88.00	20448	148.00	1388	237.00	68	338.00	110
89.00	348	150.00	313	238.00	111	341.00	219
91.00	1036	153.00	645	241.00	55	343.00	140
92.00	15548	154.00	348	242.00	52	344.00	112
93.00	23368	155.00	688	244.00	263	345.00	119
94.00	66704	156.00	198	247.00	86	346.00	59
95.00	634304	157.00	810	248.00	232	347.00	44
96.00	41776	159.00	987	249.00	153	349.00	160
97.00	1019	160.00	129	251.00	83		
101.00	62	161.00	389	252.00	390		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-19nov.b/5111901.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 19-NOV-2007 00:33
Operator : ab Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2uL #1476-65 50 ng
Comment :
Method : /var/chem/msd5.i/5-19nov.b/bfb30.m
Meth Date : 19-Nov-2007 00:23 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

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.810	3.900	-0.090	95	993301			100.00- 100.00	100.00
3.810	3.900	-0.090	50	261826			15.00- 40.00	26.36
3.810	3.900	-0.090	75	471886			30.00- 60.00	47.51
3.810	3.900	-0.090	96	66493			5.00- 9.00	6.69
3.810	3.900	-0.090	173	4811			0.00- 2.00	0.76
3.810	3.900	-0.090	174	636565			50.00- 100.00	64.09
3.810	3.900	-0.090	175	46616			5.00- 9.00	7.32
3.810	3.900	-0.090	176	619498			95.00- 101.00	97.32
3.810	3.900	-0.090	177	37874			5.00- 9.00	6.11

Data File: /var/chem/msd5.i/5-19nov.b/5111901.d

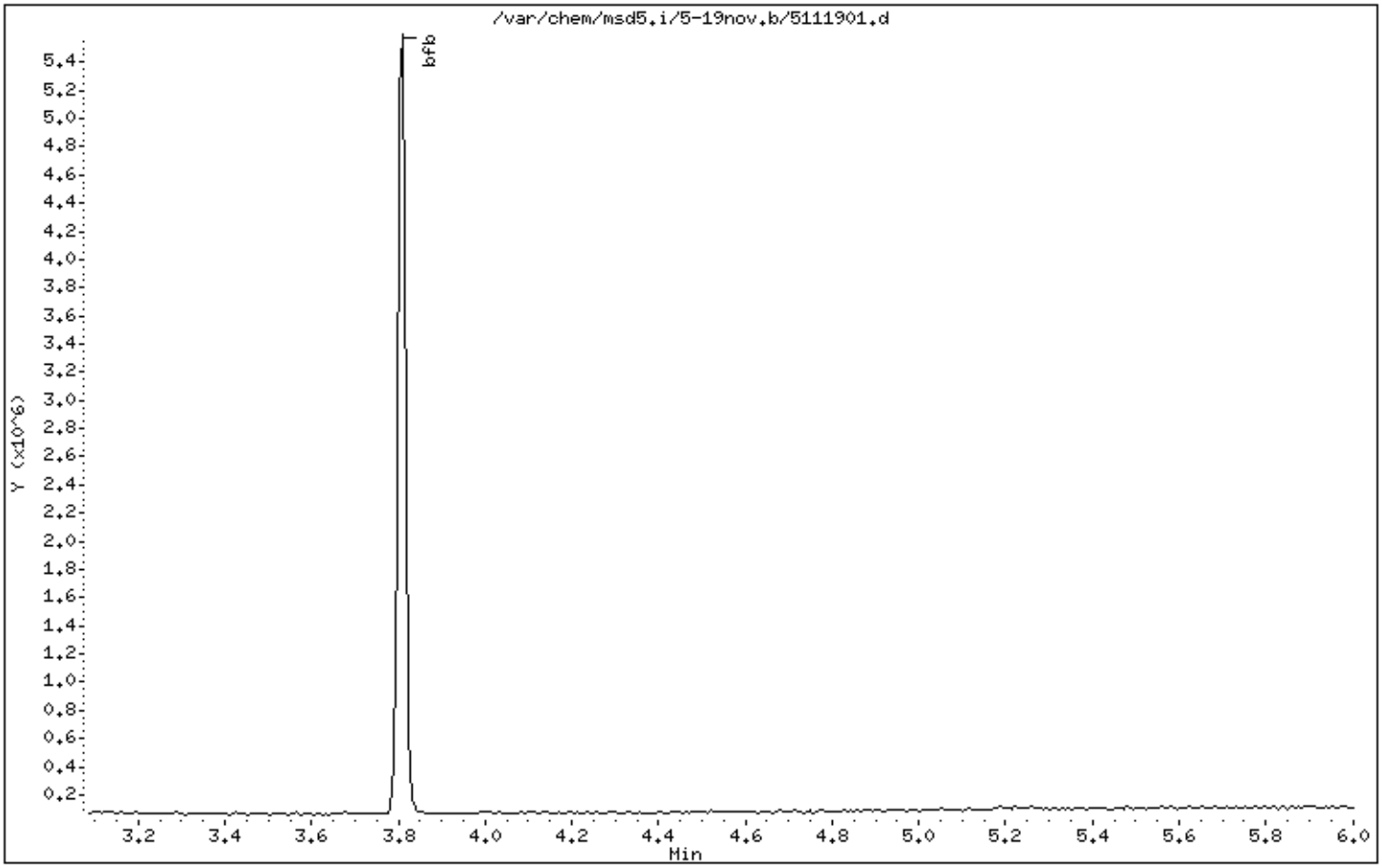
Date : 19-NOV-2007 00:33

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ab

Column phase: Column diameter: 2.00



Data File: /var/chem/msd5.i/5-19nov.b/5111901.d

Date : 19-NOV-2007 00:33

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

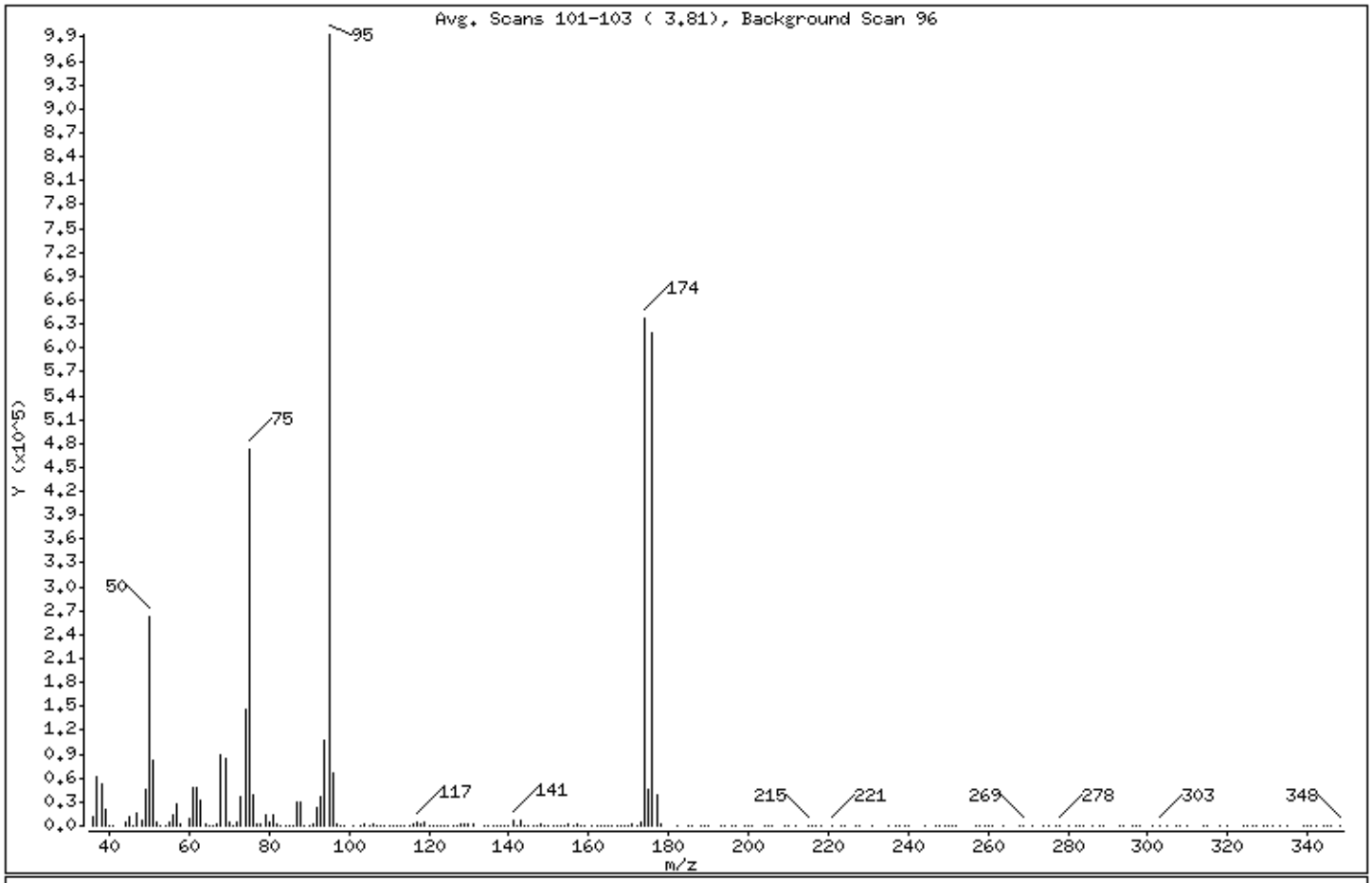
Volume Injected (uL): 1.0

Operator: ab

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	26.36
75	30.00 - 60.00% of mass 95	47.51
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.48 (0.76)
174	50.00 - 100.00% of mass 95	64.09
175	5.00 - 9.00% of mass 174	4.69 (7.32)
176	95.00 - 101.00% of mass 174	62.37 (97.32)
177	5.00 - 9.00% of mass 176	3.81 (6.11)

Data File: /var/chem/msd5.i/5-19nov.b/5111901.d

Date : 19-NOV-2007 00:33

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: ab

Column phase:

Column diameter: 2.00

Data File: 5111901.d
Spectrum: Avg. Scans 101-103 (3.81), Background Scan 96
Location of Maximum: 95.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10571	97.00	1471	159.00	728	251.00	74
37.00	61408	98.00	19	161.00	945	252.00	76
38.00	51488	99.00	223	162.00	229	257.00	102
39.00	21096	101.00	111	163.00	394	258.00	95
40.00	290	103.00	85	164.00	311	259.00	187
41.00	518	104.00	2891	165.00	118	260.00	99
44.00	5241	105.00	1085	166.00	234	261.00	114
45.00	10939	106.00	2306	167.00	207	264.00	4
46.00	628	107.00	738	168.00	464	268.00	220
47.00	17000	108.00	350	169.00	467	269.00	457
48.00	6166	109.00	508	170.00	714	271.00	282
49.00	46688	110.00	335	171.00	1222	274.00	194
50.00	261824	111.00	621	172.00	42	275.00	159
51.00	83344	112.00	503	173.00	4811	277.00	82
52.00	4374	113.00	658	174.00	636544	278.00	470
53.00	297	114.00	173	175.00	46616	280.00	60
54.00	244	115.00	433	176.00	619456	282.00	205
55.00	3528	116.00	2464	177.00	37872	283.00	68
56.00	14693	117.00	4294	178.00	1531	284.00	54
57.00	27632	118.00	2384	182.00	96	286.00	218
58.00	1633	119.00	3555	185.00	123	288.00	226
60.00	9728	120.00	422	186.00	124	289.00	278
61.00	49024	121.00	337	188.00	196	293.00	144
62.00	47264	122.00	31	189.00	94	294.00	284
63.00	32584	123.00	390	190.00	53	296.00	53
64.00	2219	124.00	830	193.00	255	297.00	121
65.00	119	125.00	473	194.00	85	298.00	16
66.00	210	126.00	536	196.00	83	301.00	67
67.00	2367	127.00	328	197.00	50	303.00	336
68.00	89808	128.00	2314	199.00	53	305.00	219
69.00	84920	129.00	2002	200.00	287	307.00	136
70.00	5464	130.00	2967	201.00	271	308.00	221
71.00	183	131.00	1151	204.00	141	310.00	110
72.00	3437	134.00	192	205.00	233	314.00	103
73.00	35464	135.00	753	206.00	245	315.00	110

Date : 19-NOV-2007 00:33

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ab

Column phase: Column diameter: 2.00

Data File: 5111901.d
Spectrum: Avg. Scans 101-103 (3.81), Background Scan 96
Location of Maximum: 95.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	146560	136.00	202	209.00	121	318.00	175
75.00	471872	137.00	715	210.00	315	320.00	323
76.00	39192	138.00	324	212.00	102	324.00	90
77.00	3322	139.00	160	215.00	427	325.00	100
78.00	2899	140.00	905	216.00	70	326.00	54
79.00	13604	141.00	6338	217.00	111	327.00	85
80.00	5043	142.00	901	218.00	135	329.00	125
81.00	14167	143.00	6229	221.00	364	330.00	62
82.00	2940	144.00	104	223.00	74	331.00	63
83.00	904	145.00	476	224.00	208	333.00	92
84.00	149	146.00	276	227.00	82	335.00	66
85.00	219	147.00	392	228.00	67	339.00	175
86.00	621	148.00	1772	231.00	239	340.00	55
87.00	30744	149.00	464	235.00	94	341.00	17
88.00	30376	150.00	756	237.00	66	342.00	277
89.00	1107	151.00	215	238.00	69	344.00	95
90.00	45	152.00	412	239.00	319	345.00	129
91.00	2158	153.00	223	240.00	210	346.00	76
92.00	22152	154.00	857	244.00	72	348.00	334
93.00	36112	155.00	1309	247.00	315		
94.00	108128	156.00	374	248.00	154		
95.00	993280	157.00	1381	249.00	155		
96.00	66488	158.00	309	250.00	147		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-20nov.b/5112001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 20-NOV-2007 08:16
Operator : cb Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2uL #1476-65 50 ng
Comment :
Method : /var/chem/msd5.i/5-20nov.b/bfb30.m
Meth Date : 20-Nov-2007 08:06 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

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.796	3.900	-0.104	95	994238			100.00- 100.00	100.00
3.796	3.900	-0.104	50	270920			15.00- 40.00	27.25
3.796	3.900	-0.104	75	469333			30.00- 60.00	47.21
3.796	3.900	-0.104	96	70033			5.00- 9.00	7.04
3.796	3.900	-0.104	173	4008			0.00- 2.00	0.66
3.796	3.900	-0.104	174	607660			50.00- 100.00	61.12
3.796	3.900	-0.104	175	46104			5.00- 9.00	7.59
3.796	3.900	-0.104	176	583616			95.00- 101.00	96.04
3.796	3.900	-0.104	177	37406			5.00- 9.00	6.41

Data File: /var/chem/msd5.i/5-20nov.b/5112001.d

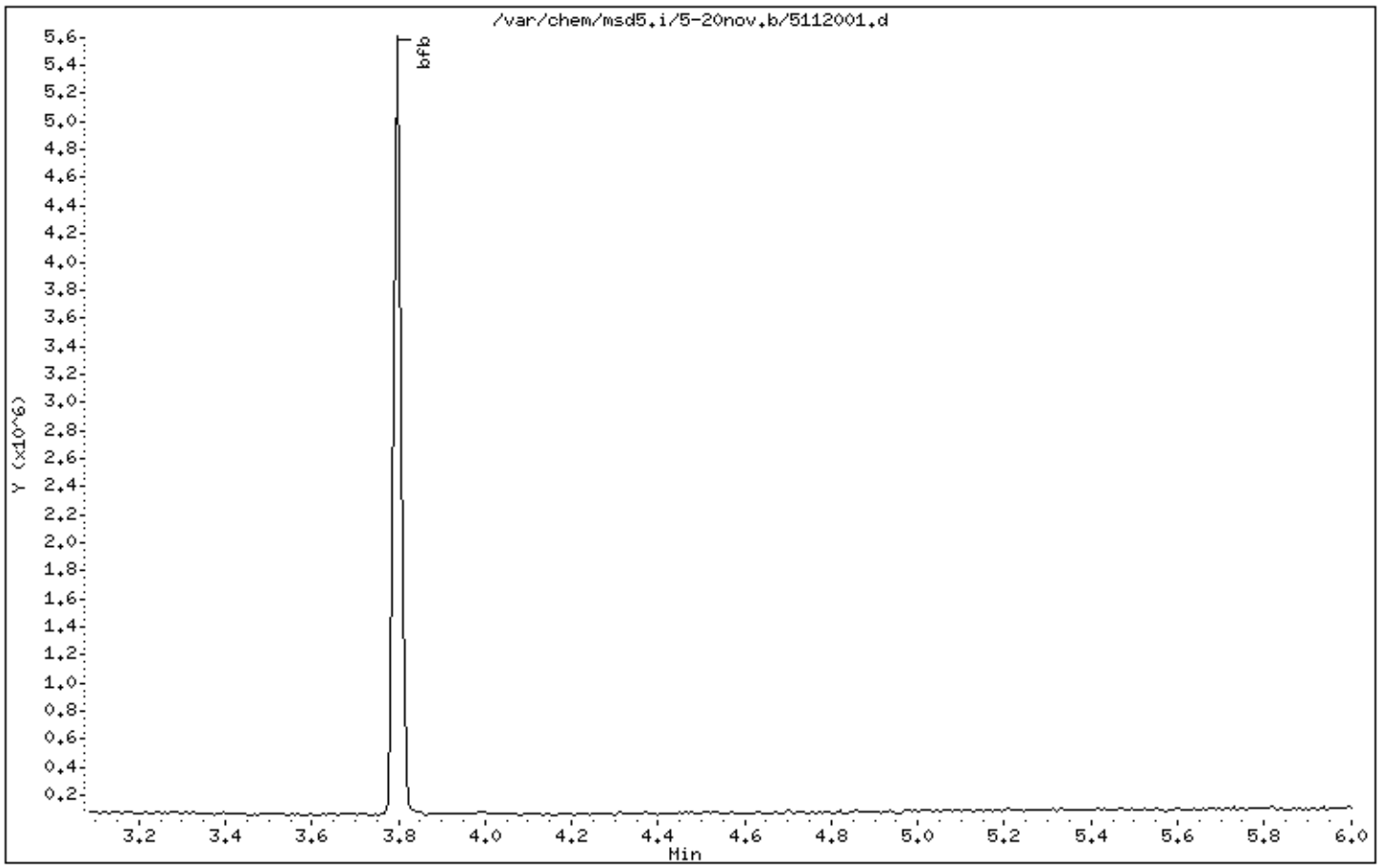
Date : 20-NOV-2007 08:16

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /var/chem/msd5.i/5-20nov.b/5112001.d

Date : 20-NOV-2007 08:16

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

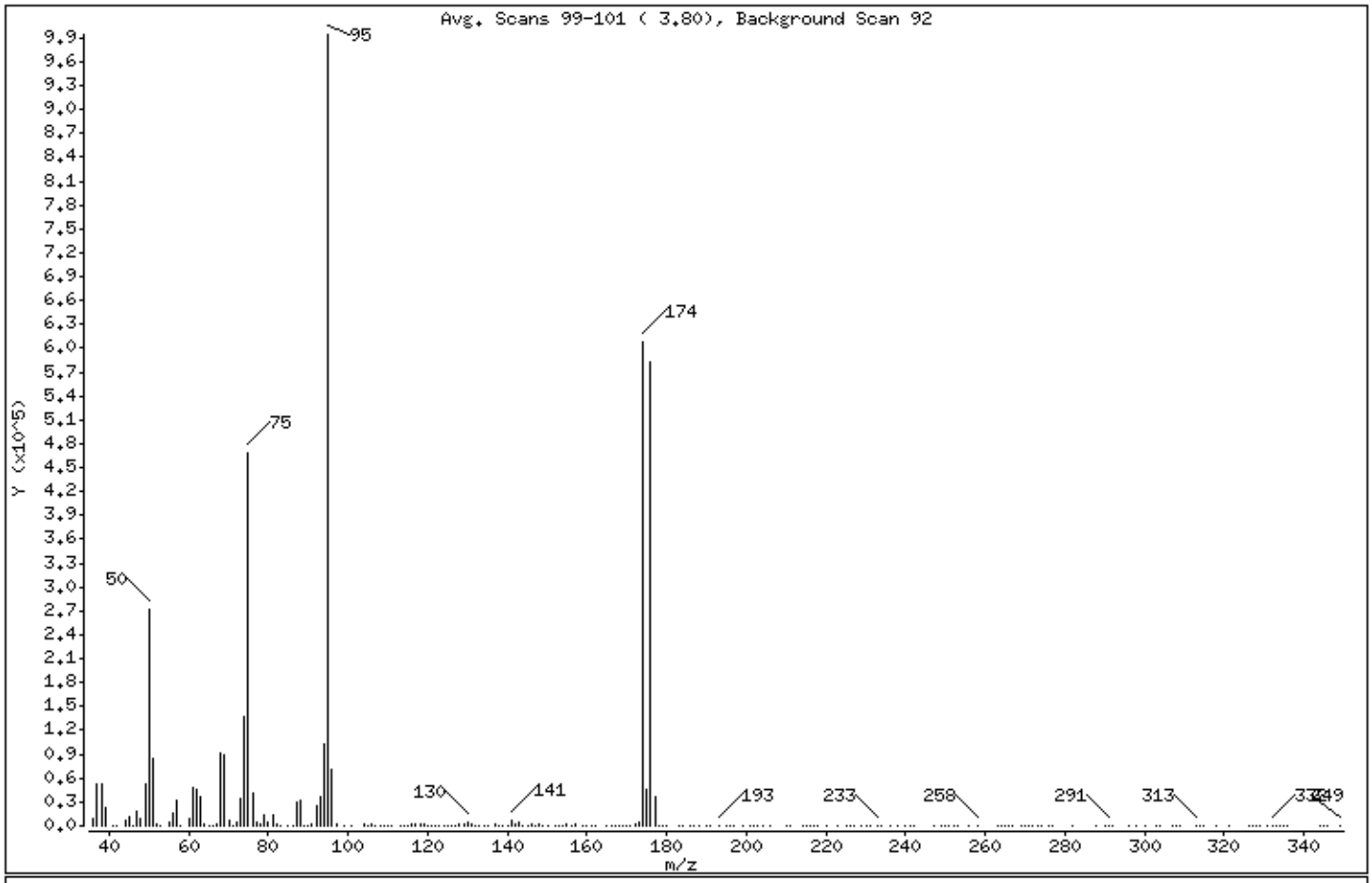
Volume Injected (uL): 1.0

Operator: cb

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	27.25
75	30.00 - 60.00% of mass 95	47.21
96	5.00 - 9.00% of mass 95	7.04
173	Less than 2.00% of mass 174	0.40 (0.66)
174	50.00 - 100.00% of mass 95	61.12
175	5.00 - 9.00% of mass 174	4.64 (7.59)
176	95.00 - 101.00% of mass 174	58.70 (96.04)
177	5.00 - 9.00% of mass 176	3.76 (6.41)

Date : 20-NOV-2007 08:16

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 5112001.d
Spectrum: Avg. Scans 99-101 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 222

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9227	97.00	2382	161.00	310	242.00	258
37.00	53472	99.00	100	162.00	60	247.00	167
38.00	52952	101.00	63	165.00	223	249.00	104
39.00	22640	104.00	2559	166.00	94	250.00	275
41.00	68	105.00	420	167.00	36	251.00	82
42.00	119	106.00	2647	168.00	313	252.00	128
44.00	7585	107.00	701	169.00	394	253.00	217
45.00	10728	108.00	335	170.00	449	256.00	148
46.00	58	109.00	320	171.00	565	258.00	681
47.00	17856	110.00	407	172.00	1716	263.00	59
48.00	8206	111.00	655	173.00	4008	264.00	216
49.00	52064	113.00	193	174.00	607616	265.00	87
50.00	270912	114.00	116	175.00	46104	266.00	242
51.00	85016	115.00	776	176.00	583616	267.00	57
52.00	3224	116.00	2134	177.00	37400	269.00	279
53.00	730	117.00	2950	178.00	720	270.00	54
55.00	3448	118.00	2522	179.00	14	271.00	59
56.00	15664	119.00	3182	180.00	167	272.00	258
57.00	31616	120.00	28	183.00	176	273.00	143
58.00	627	121.00	59	184.00	60	274.00	261
60.00	9195	122.00	381	186.00	225	276.00	118
61.00	48568	123.00	118	187.00	278	277.00	66
62.00	46560	124.00	335	188.00	56	282.00	250
63.00	36760	125.00	685	190.00	92	288.00	99
64.00	2794	126.00	275	191.00	124	290.00	80
65.00	906	127.00	199	193.00	389	291.00	454
66.00	267	128.00	1910	195.00	89	292.00	101
67.00	2048	129.00	1322	196.00	89	296.00	147
68.00	90640	130.00	3486	197.00	108	298.00	68
69.00	88880	131.00	1550	199.00	164	300.00	238
70.00	6068	132.00	55	201.00	57	303.00	64
71.00	556	133.00	153	202.00	127	304.00	85
72.00	4312	134.00	132	203.00	259	307.00	129
73.00	34464	135.00	489	204.00	186	308.00	137
74.00	138176	137.00	1373	206.00	112	309.00	58

Date : 20-NOV-2007 08:16

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 5112001.d
Spectrum: Avg. Scans 99-101 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 222

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	469312	138.00	165	210.00	160	313.00	465
76.00	41584	139.00	201	211.00	341	314.00	68
77.00	4734	140.00	102	214.00	198	315.00	145
78.00	2911	141.00	7014	215.00	101	318.00	51
79.00	14790	142.00	1156	216.00	26	321.00	61
80.00	4125	143.00	5616	217.00	130	326.00	161
81.00	14539	144.00	610	218.00	10	327.00	183
82.00	2692	145.00	586	220.00	307	328.00	82
83.00	732	146.00	1703	223.00	62	329.00	145
85.00	790	147.00	714	225.00	78	331.00	273
86.00	785	148.00	1635	226.00	80	332.00	345
87.00	29160	149.00	561	227.00	282	333.00	72
88.00	31032	150.00	362	229.00	88	334.00	167
89.00	935	152.00	748	230.00	166	335.00	148
90.00	108	153.00	609	231.00	234	336.00	116
91.00	3290	154.00	703	233.00	343	344.00	56
92.00	24456	155.00	3120	234.00	336	345.00	78
93.00	36424	156.00	528	236.00	85	346.00	145
94.00	102496	157.00	1328	238.00	241	349.00	122
95.00	994176	159.00	618	240.00	179		
96.00	70032	160.00	236	241.00	175		

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 #: 0711168
# of pages (Including Cover): 1

11/28/2007

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:

The Chain of Custody (COC) information for sample AMSXX did not match the information on the canister with regard to canister identification. Unless otherwise notified, ATL will proceed with the analysis using the information on the canister to process and report the sample.

Your prompt response is appreciated.

Receipt
VFR 11/10/07

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

0268

Contact	
Company	GEI Consultants, Inc.
Address	455 Winding Brook Glastonbury CT 06033
Phone	860-368-5300 Cell:
Collected By: Signature:	

Project Info:
P.O. #
Project # 061140 - 8 - 1703
Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:
[X] Normal
[ ] Rush _____
Specify

Lab I.D.	Field Sample I.D. CAN#	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	GW AMS 3 915	11/8/07 0600/1400	TO-15 + Naphthalene	-29.0	-2.0	6.5 Hg
02A	AMSXX 3428	11/07/07 0600/1400	TO-15 + Naphthalene	-29.5	-7.0	6.5 Hg
03A	DW AMS 5 3732	11/07/07 0600/1400	TO-15 + NAPHTHALENE	-29.0	-10.0	9.5 Hg
04A	TRIP BLANK					4.8 Hg

Relinquished By: (Signature) Date/Time: 11/07/07 1430
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 11/8/07 915

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	8620-3576-5704	TS	NA	Good	Yes No (None)	071116

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0711168

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: 11/26/07
Date Completed: 11/21/07
Date Received: 11/8/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 1,641.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UW AMS 3	Modified TO-15	11/7/2007	6.5 "Hg	$225.00
02A	AMSXX	Modified TO-15	11/7/2007	6.5 "Hg	$225.00
02AA	AMSXX Lab Duplicate	Modified TO-15	11/7/2007	6.5 "Hg	$0.00
03A	DW AMS 5	Modified TO-15	11/7/2007	9.5 "Hg	$225.00
04A	TRIP BLANK	Modified TO-15	NA	4.8psi	$225.00
05A	Lab Blank	Modified TO-15	NA	NA	$0.00
06A	CCV	Modified TO-15	NA	NA	$0.00
07A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each.	$100.00
	6 Liter Summa Canister (100% Certified) (6) @ $65.00 each.	$390.00
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00
	Blue Body Flow Controller (100% Certified) (4) @ $40.00 each.	$160.00
	Fuel Surcharge (8) @ $2.00 each.	$16.00
	Duplicate Sampling T (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: MW **Date:** 11/8 **Discrepancy Type:** (I.) II. III.
(circle all that apply)

Workorder(s) affected: 07 11168 **Sample(s) affected:** 02A, 04A

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. 04A (Trip Blank)
- ☐ 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: 02A Can # is 34482

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: _____ **Date:** _____
(if not the original initiator)

☐ **CSR Notified**
(see section below)

Describe the Discrepancy: _____

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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Media Certification Report

Canister Number: 6L #34482 w/ 9hr FC
Can#: 54018-34482
Date : 11/01/07 13:25
Data File: g110106.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
Naphthalene	91-20-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		98.00	% Recovery
Toluene-d8	2037-26-5		101.00	% Recovery
4-Bromofluorobenzene	460-00-4		94.00	% Recovery

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Media Certification Report

File/Canister #: F103011;6L #3732 w/ 9hr + T:1
Date: 10/30/2007 13:38:19

Peak #	Quantification	CAS	Type	Concentration	Units
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Butane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Trichloroethene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv

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Media Certification Report

File/Canister #: F103011;6L #3732 w/ 9hr + T:1
Date: 10/30/2007 13:38:19

Peak #	Quantification	CAS	Type	Concentration	Units
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
14	Ethanol	865-40-7	Quantified	0.27	ppbv
15	Acrolein	303762-10-9	Quantified	0.00	ppbv
19	Carbon Disulfide	75-15-0	Quantified	0.05	ppbv
20	Acetone	6156-78-1	Quantified	0.30	ppbv
22	2-Propanol	625-31-0	Quantified	0.57	ppbv
24	Methylene Chloride	75-09-2	Quantified	0.03	ppbv
25	Acrylonitrile	922-67-8	Quantified	0.00	ppbv
36	2-Butanone (Methyl Ethyl Ketone)	189237-57-8	Quantified	0.05	ppbv
36	Ethyl Acetate	189237-57-8	Quantified	0.00	ppbv

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Media Certification Report

File/Canister #: F103011;6L #3732 w/ 9hr + T:1
Date: 10/30/2007 13:38:19

Peak #	Quantification	CAS	Type	Concentration	Units
40	Bromochloromethane-IS	74-97-5	Quantified	5.00	ppbv
40	Chloroform	74-97-5	Quantified	0.00	ppbv
42	Tetrahydrofuran	116-11-0	Quantified	0.07	ppbv
43	Benzene	71-43-2	Quantified	0.03	ppbv
44	1,2-Dichloroethane-d4	930-29-0	Quantified	4.99	ppbv
46	Heptane	23186-70-1	Quantified	0.01	ppbv
49	1,4-Difluorobenzene-IS	372-18-9	Quantified	5.00	ppbv
54	Dibromomethane	571-31-3	Quantified	0.00	ppbv
56	Toluene-D8	2037-26-5	Quantified	4.54	ppbv
57	Toluene	103439-00-5	Quantified	0.01	ppbv
66	Chlorobenzene-d5-IS	3114-55-4	Quantified	5.00	ppbv
70	Bromofluorobenzene	1072-85-1	Quantified	4.86	ppbv
76	sec-Butylbenzene	154-92-7	Quantified	0.00	ppbv

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Media Certification Report

File/Canister #: F103013;6L #24229 w/ 9hr:1
Date: 10/30/2007 14:26:00

Peak #	Quantification	CAS	Type	Concentration	Units
	Propylene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Butane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Ethanol	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Heptane	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Trichloroethene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv

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Media Certification Report

File/Canister #: F103013;6L #24229 w/ 9hr:1
Date: 10/30/2007 14:26:00

Peak #	Quantification	CAS	Type	Concentration	Units
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
13	Carbon Disulfide	75-15-0	Quantified	0.03	ppbv
14	Acetone	67-64-1	Quantified	0.06	ppbv
15	2-Propanol	0-00-0	Quantified	0.19	ppbv

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Media Certification Report

File/Canister #: F103013;6L #24229 w/ 9hr:1
Date: 10/30/2007 14:26:00

Peak #	Quantification	CAS	Type	Concentration	Units
17	Methylene Chloride	75-09-2	Quantified	0.03	ppbv
24	Bromochloromethane-IS	74-97-5	Quantified	5.00	ppbv
26	Tetrahydrofuran	106-88-7	Quantified	0.05	ppbv
28	Benzene	71-43-2	Quantified	0.01	ppbv
29	1,2-Dichloroethane-d4	930-29-0	Quantified	5.19	ppbv
33	1,4-Difluorobenzene-IS	540-36-3	Quantified	5.00	ppbv
36	Dibromomethane	74-95-3	Quantified	0.00	ppbv
38	Toluene-D8	2037-26-5	Quantified	4.71	ppbv
39	Toluene	937-61-1	Quantified	0.00	ppbv
47	Chlorobenzene-d5-IS	3114-55-4	Quantified	5.00	ppbv
49	Bromofluorobenzene	460-00-4	Quantified	4.76	ppbv

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0711168

A	R	T	M	Q	
☑	☐	☐	☑	☐	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.
NA	☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
NA	☐	☐	☑	☐	Corrective Action issued - # _____
☑	☐	☐	☑	☐	Unusual circumstances have been documented in the notes section below

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

☑	☐	☐	☐	☐	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
	☐	☐			Retention times have been verified
☑	☐	☐		☐	Appropriate ICAL(s) included
	☐	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data

☑	☐	☐		☐	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)
	☐	☐			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	☐		☑		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)
☑	☐				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.)
	☐	☐	☑	☐	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: D out on CCV

Dup 02A

Birch Farm

M/O:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
[signature] 11/20/07	R: C Taylor 11-21-07	[signature] 11/21/07	
	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Rev 08/29/05

Not Applicable