
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 #: 0710683

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	11/13/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0710683

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:	10/29/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	11/06/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	UW AMS 1	Modified TO-15	6.0 "Hg
02A	DW AMS 5	Modified TO-15	6.5 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 11/09/07

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

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

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0710683

Two 6 Liter Summa Canister samples were received on October 29, 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

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

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 1	0710683-01A	10/25/2007	10/29/2007	NA	14	11/ 8/2007	NA	Good
DW AMS 5	0710683-02A	10/25/2007	10/29/2007	NA	15	11/ 9/2007	NA	Good
Lab Blank	0710683-03A	NA	NA	NA	NA	11/ 8/2007	NA	Good
CCV	0710683-04A	NA	NA	NA	NA	11/ 8/2007	NA	Good
LCS	0710683-05A	NA	NA	NA	NA	11/ 8/2007	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 1

Lab ID#: 0710683-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	9.9	8.0	24
2-Butanone (Methyl Ethyl Ketone)	0.84	1.2	2.5	3.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 1

Lab ID#: 0710683-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110814**	**Date of Collection: 10/25/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 11/8/07 11:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 1

Lab ID#: 0710683-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110814**	**Date of Collection: 10/25/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 11/8/07 11:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.84	Not Detected	3.4	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	9.9	8.0	24
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
2-Propanol	3.4	Not Detected	8.2	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	1.2	2.5	3.4
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	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	95	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-08nov.b/8110814.d
Lab Smp Id: 0710683-01A
Inj Date : 08-NOV-2007 23:22
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #4204
Misc Info : 6.0"Hg-5psi
Comment :
Method : /chem/msd8.i/8-08nov.b/t14qn07a.m
Meth Date : 09-Nov-2007 07:39 cbond Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.d
Als bottle: 1
Dil Factor: 1.68000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.242	7.214 (1.000)	130	347426	25.0000		80.00- 120.00	100.00
7.215	7.214 (1.000)	128	262671			51.82- 111.82	75.60
7.215	7.214 (1.000)	49	703437			189.80- 249.80	202.47
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1387556	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	245667			0.00- 48.33	17.71
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.459	14.431 (1.000)	117	982511	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	649126			0.00- 30.00	66.07
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.145)	65	564909	23.7482	23.748	80.00- 120.00	100.00
8.293	8.293 (1.145)	67	281379			0.00- 30.00	49.81
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1235775	24.1474	24.147	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	142336			0.00- 30.00	11.52

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	835498			0.00- 30.00	67.61
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.113)	174	542544	23.4469	23.447	80.00- 120.00	100.00
16.090	16.090 (1.113)	95	897747			129.91- 189.91	165.47
16.090	16.090 (1.113)	176	505370			67.49- 127.49	93.15
30 Acetone					CAS #: 67-64-1		
3.980	3.979 (0.549)	58	100157	5.89871	9.910	80.00- 120.00	100.00
3.980	3.979 (0.549)	43	326399			0.00- 30.00	325.89
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.947)	72	10810	0.69162	1.162	80.00- 120.00	100.00
6.855	6.855 (0.947)	43	68702			647.22- 707.22	635.54
6.855	6.855 (0.947)	57	3321			0.00- 30.00	30.72

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110814.d
Lab Smp Id: 0710683-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 6.0"Hg-5psi

Calibration Date: 08-NOV-2007
Calibration Time: 15:03
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	334517	200710	468324	347426	3.86
88 1,4-Difluorobenze	1435973	861584	2010362	1387556	-3.37
125 Chlorobenzene-d5	1037372	622423	1452321	982511	-5.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.24	0.39
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.46	0.19

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: 09-Nov-2007 11:27

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-08nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0710683-01A
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 6.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	23.748	94.99	70-130
$ 104 Toluene-d8	25.000	24.147	96.59	70-130
$ 140 Bromofluorobenzene	25.000	23.447	93.79	70-130

Data File: /chem/msd8.i/8-08nov.b/8110814.d

Date : 08-NOV-2007 23:22

Client ID:

Sample Info: 200mL #4204

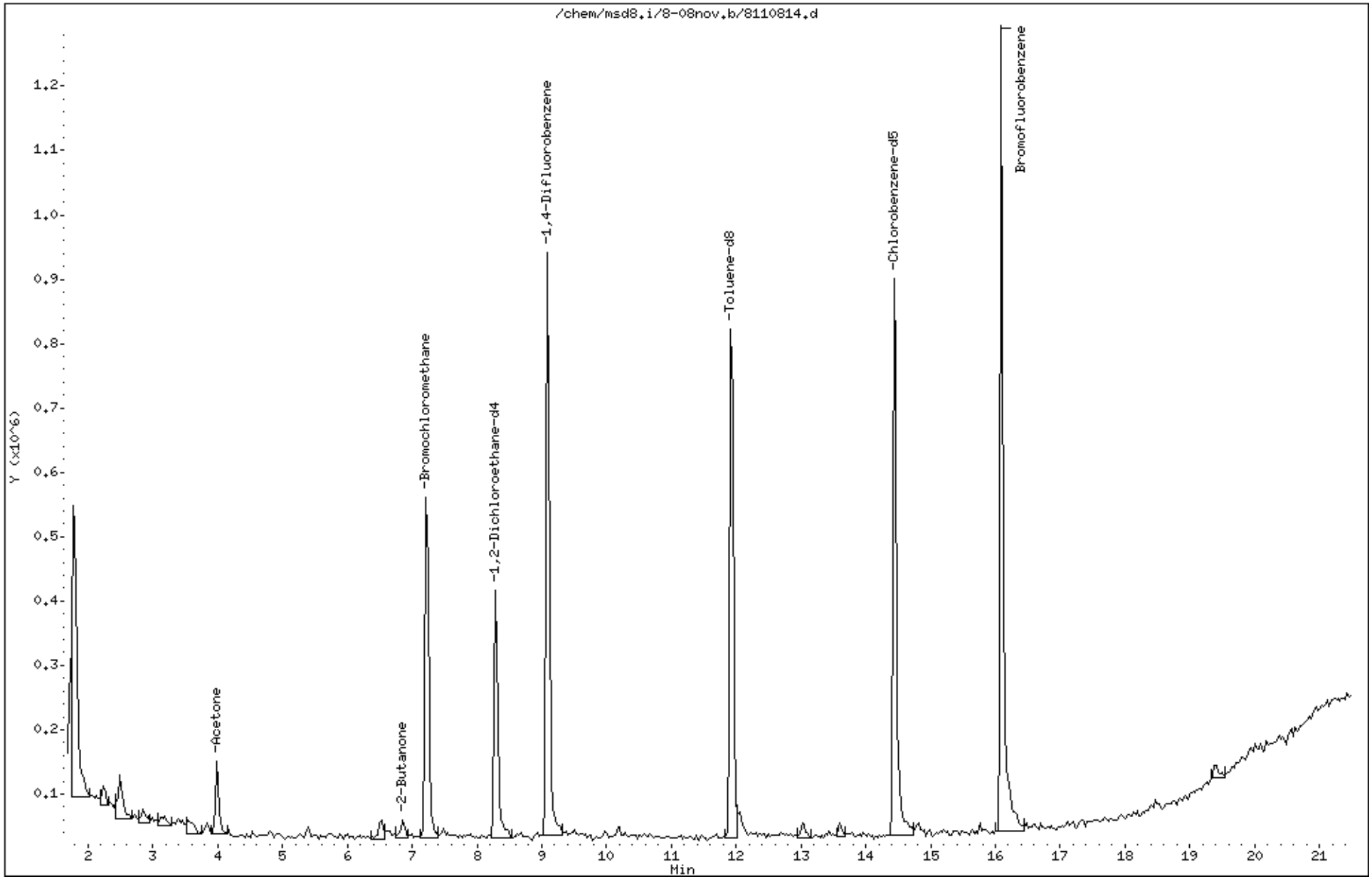
Column phase: RTx-624

Instrument: msd8.i

Operator: ct

Column diameter: 0.53

0013



Data File: /chem/msd8.i/8-08nov.b/8110814.d

Date : 08-NOV-2007 23:22

Client ID:

Instrument: msd8.i

Sample Info: 200mL #4204

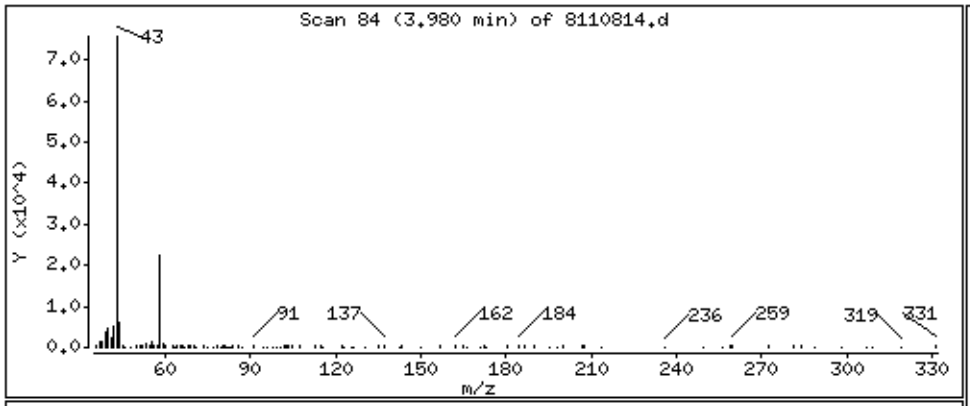
Operator: ct

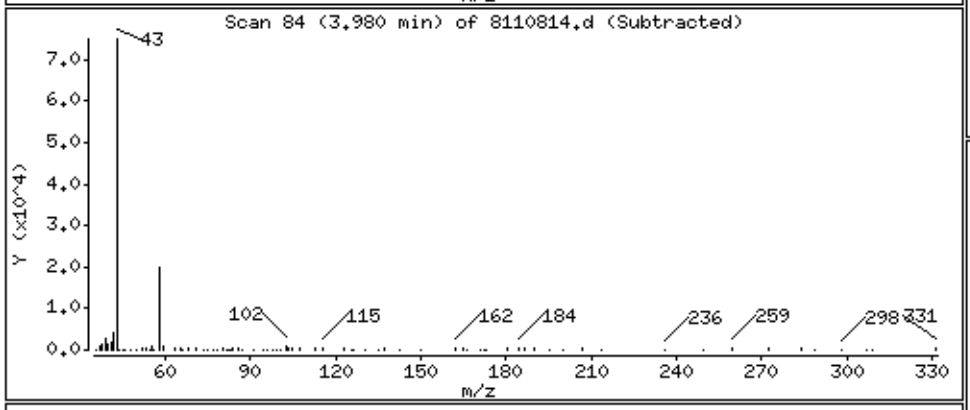
Column phase: RTx-624

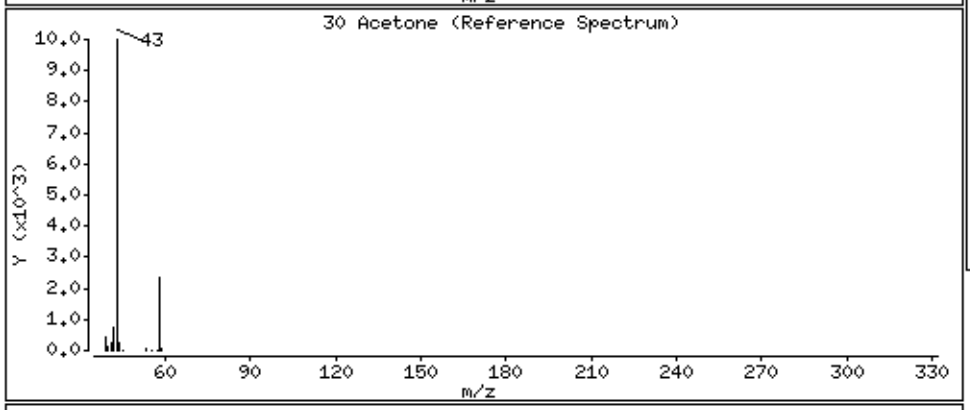
Column diameter: 0.53

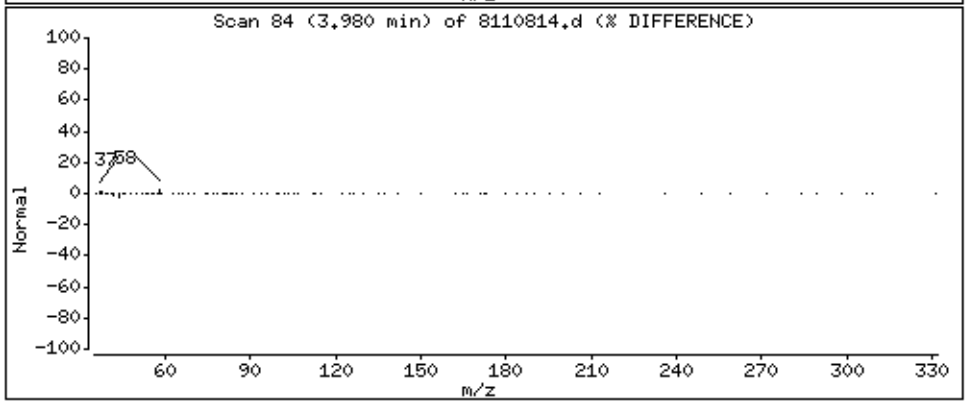
30 Acetone

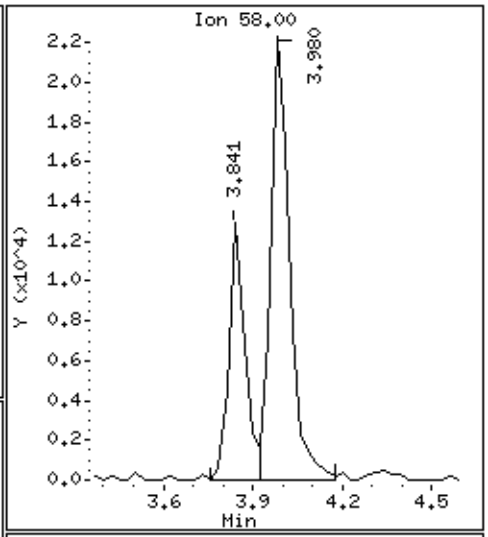
Concentration: 9.910 PPBV

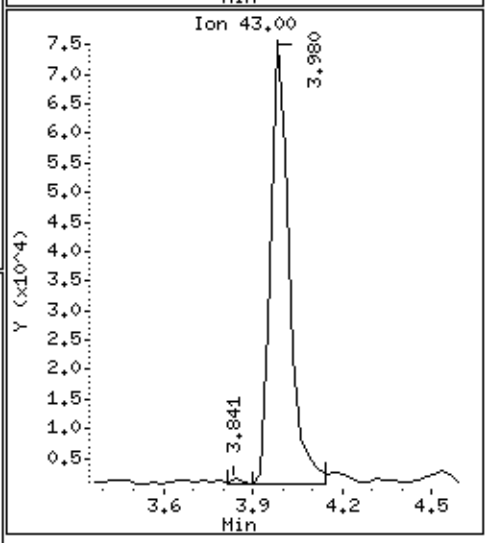












Data File: /chem/msd8.i/8-08nov.b/8110814.d

Date : 08-NOV-2007 23:22

Client ID:

Instrument: msd8.i

Sample Info: 200mL #4204

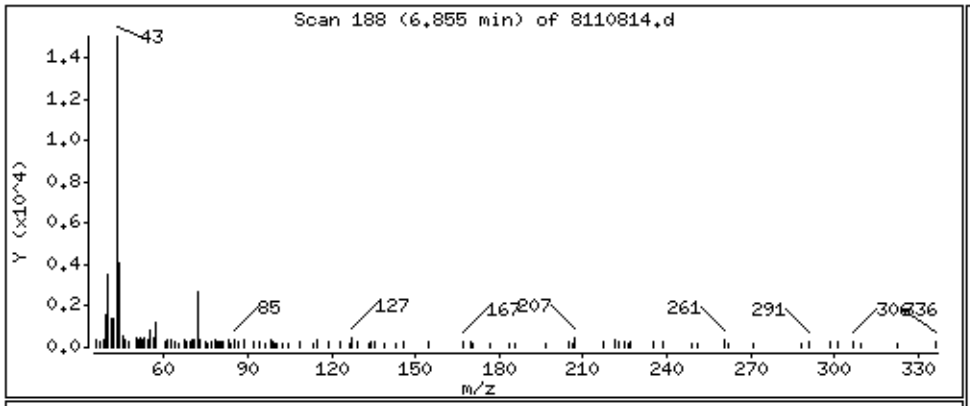
Operator: ct

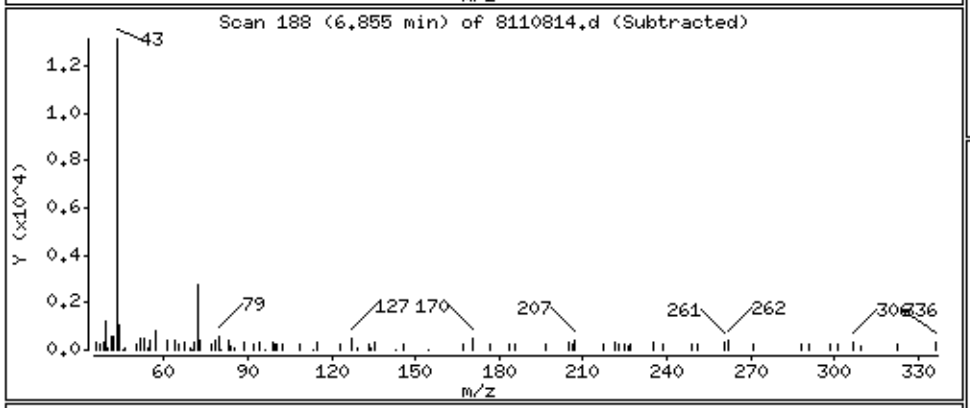
Column phase: RTx-624

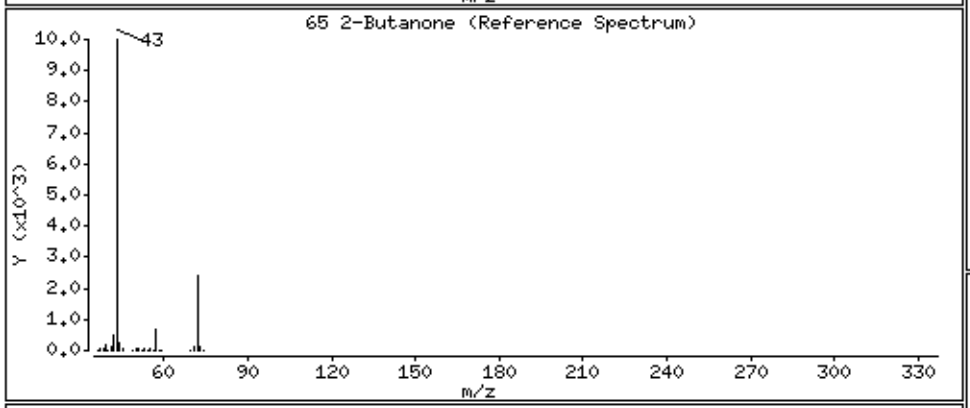
Column diameter: 0.53

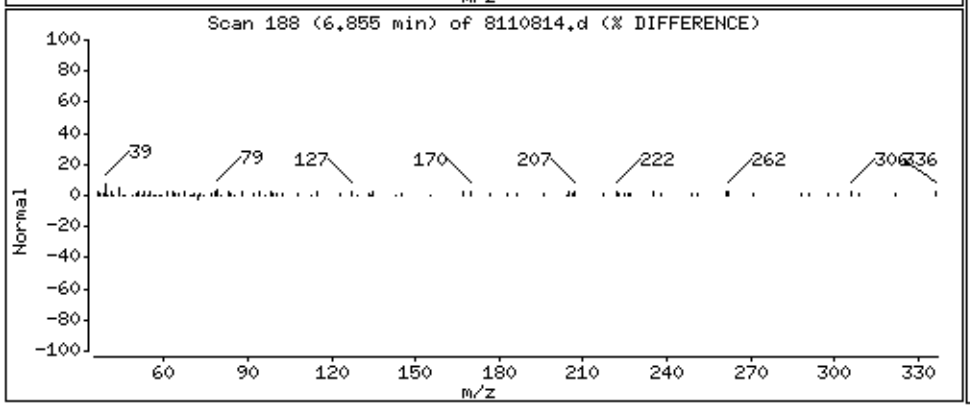
65 2-Butanone

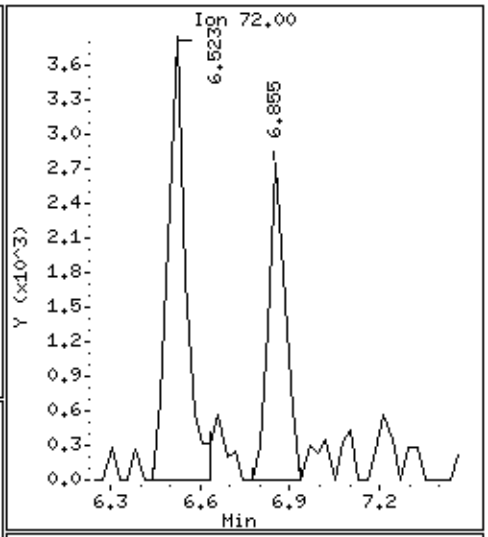
Concentration: 1.162 PPBV

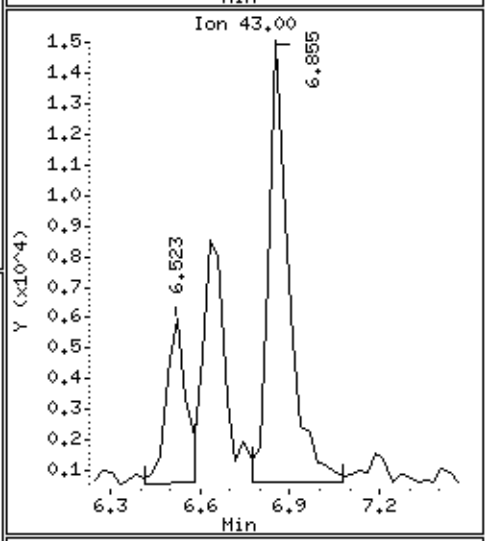


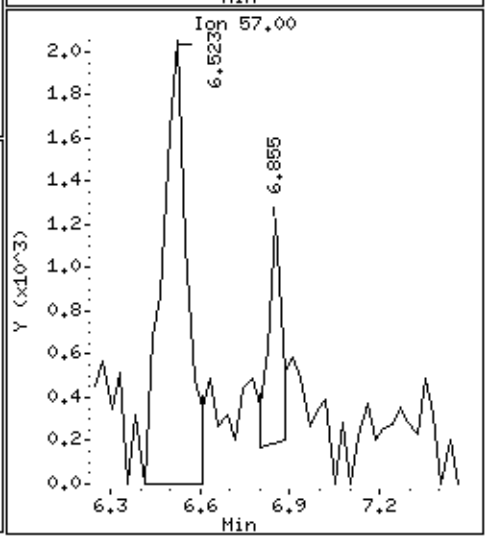












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 5

Lab ID#: 0710683-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	3.5	8.1	8.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 5

Lab ID#: 0710683-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110815**	**Date of Collection: 10/25/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 11/9/07 12:04 AM**	

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: DW AMS 5

Lab ID#: 0710683-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110815**	**Date of Collection: 10/25/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 11/9/07 12:04 AM**	

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	3.5	8.1	8.3
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	92	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-08nov.b/8110815.d
Lab Smp Id: 0710683-02A
Inj Date : 09-NOV-2007 00:04
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #12715
Misc Info : 6.5"Hg-5psi
Comment :
Method : /chem/msd8.i/8-08nov.b/t14qn07a.m
Meth Date : 09-Nov-2007 07:39 cbond Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.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	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.242	7.214 (1.000)	130	336445	25.0000		80.00- 120.00	100.00
7.242	7.214 (1.000)	128	263550			51.82- 111.82	78.33
7.215	7.214 (1.000)	49	727862			189.80- 249.80	216.34
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1409919	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	254779			0.00- 48.33	18.07
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.459	14.431 (1.000)	117	975668	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	658751			0.00- 30.00	67.52
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.145)	65	582811	25.3004	25.300	80.00- 120.00	100.00
8.293	8.293 (1.145)	67	279506			0.00- 30.00	47.96
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1200034	23.0771	23.077	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	138163			0.00- 30.00	11.51

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	801113			0.00- 30.00	66.76
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.113)	174	521859	22.7111	22.711	80.00- 120.00	100.00
16.090	16.090 (1.113)	95	864007			129.91- 189.91	165.56
16.090	16.090 (1.113)	176	504700			67.49- 127.49	96.71
30 Acetone					CAS #: 67-64-1		
4.007	3.979 (0.553)	58	33626	2.04503	3.497	80.00- 120.00	100.00
4.007	3.979 (0.553)	43	113561			0.00- 30.00	337.71

Report Date: 09-Nov-2007 11:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110815.d
Lab Smp Id: 0710683-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 6.5"Hg-5psi

Calibration Date: 08-NOV-2007
Calibration Time: 15:03
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	334517	200710	468324	336445	0.58
88 1,4-Difluorobenze	1435973	861584	2010362	1409919	-1.81
125 Chlorobenzene-d5	1037372	622423	1452321	975668	-5.95

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.24	0.39
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.46	0.19

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: 09-Nov-2007 11:27

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-08nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0710683-02A
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 6.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	25.300	101.20	70-130
$ 104 Toluene-d8	25.000	23.077	92.31	70-130
$ 140 Bromofluorobenzene	25.000	22.711	90.84	70-130

Data File: /chem/msd8.i/8-08nov.b/8110815.d

Page 1

Date : 09-NOV-2007 00:04

Client ID:

Instrument: msd8.i

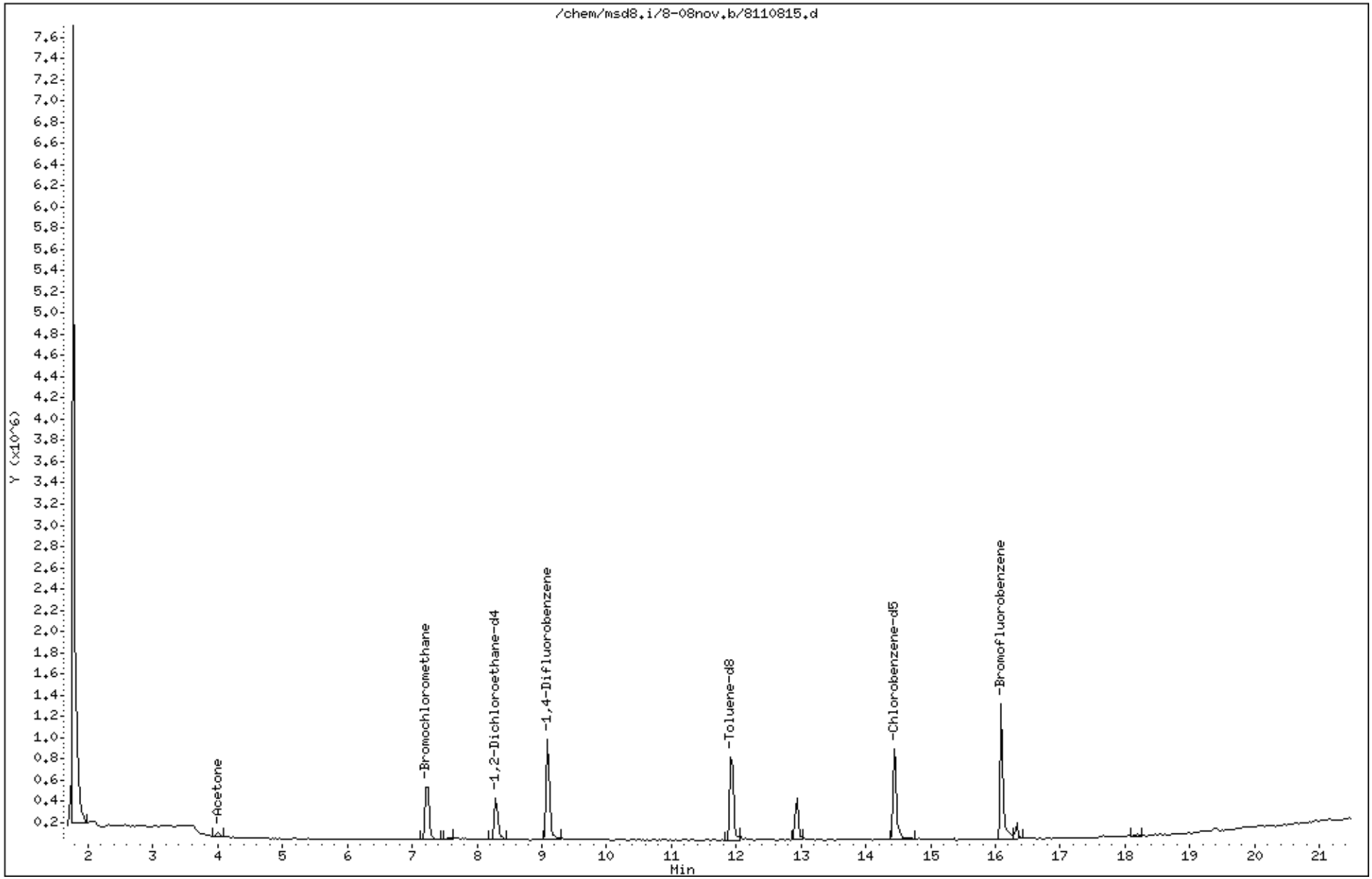
Sample Info: 200mL #12715

Operator: ct

Column phase: RTx-624

Column diameter: 0.53

0023



Data File: /chem/msd8.i/8-08nov.b/8110815.d

Date : 09-NOV-2007 00:04

Client ID:

Instrument: msd8.i

Sample Info: 200mL #12715

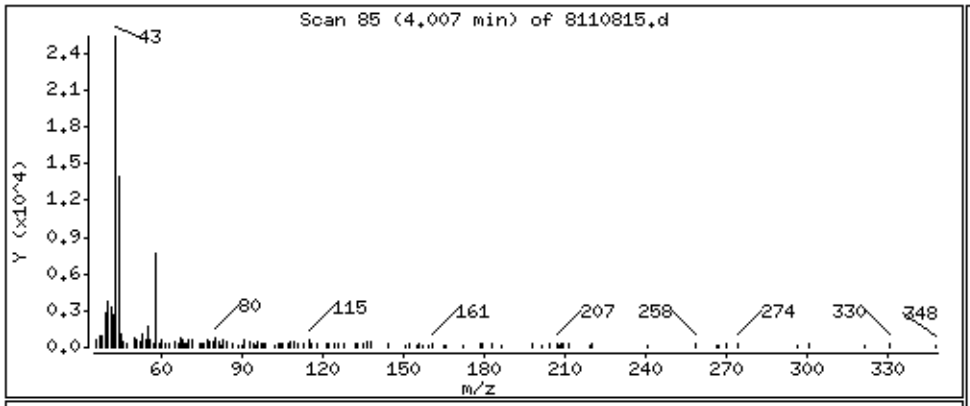
Operator: ct

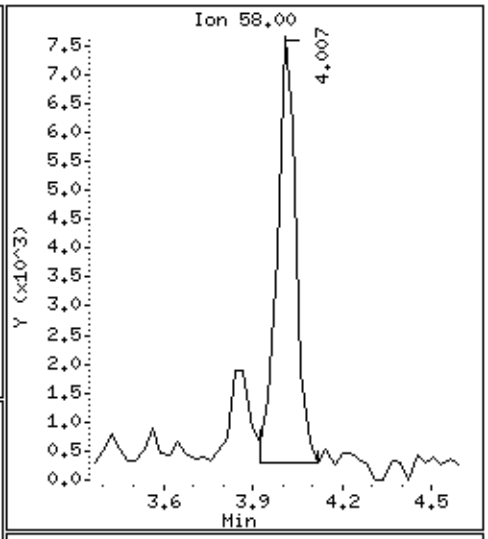
Column phase: RTx-624

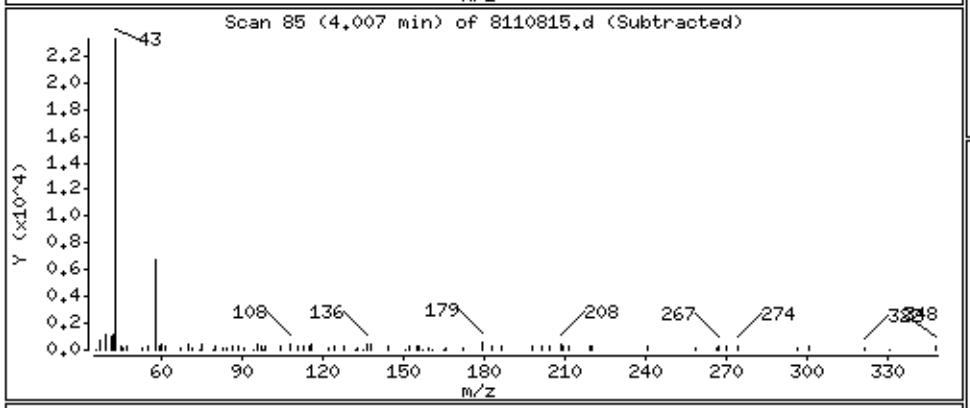
Column diameter: 0.53

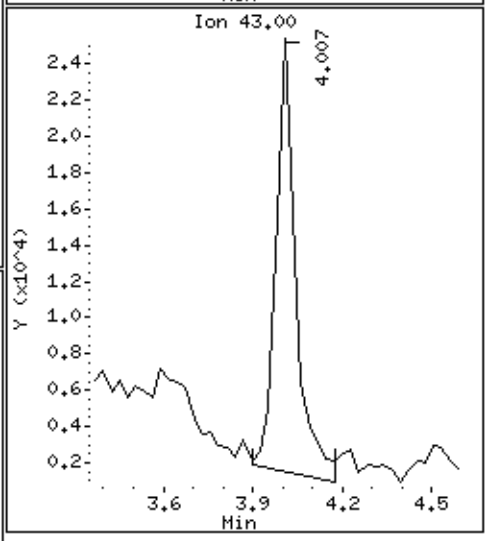
30 Acetone

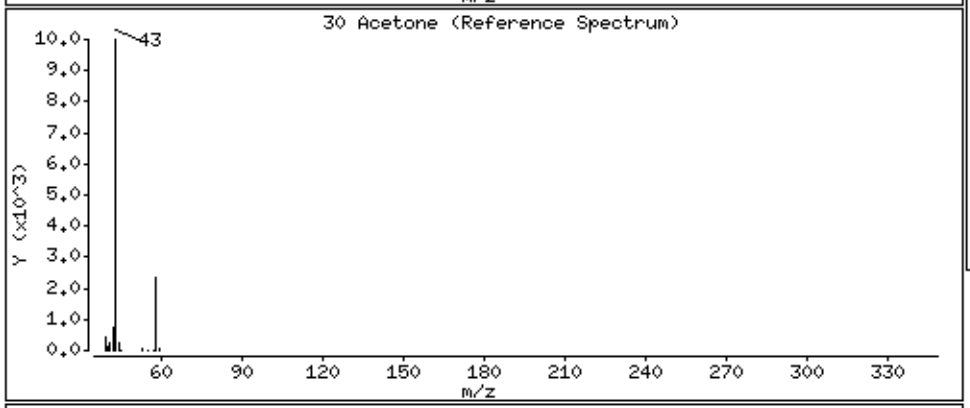
Concentration: 3.497 PPBV

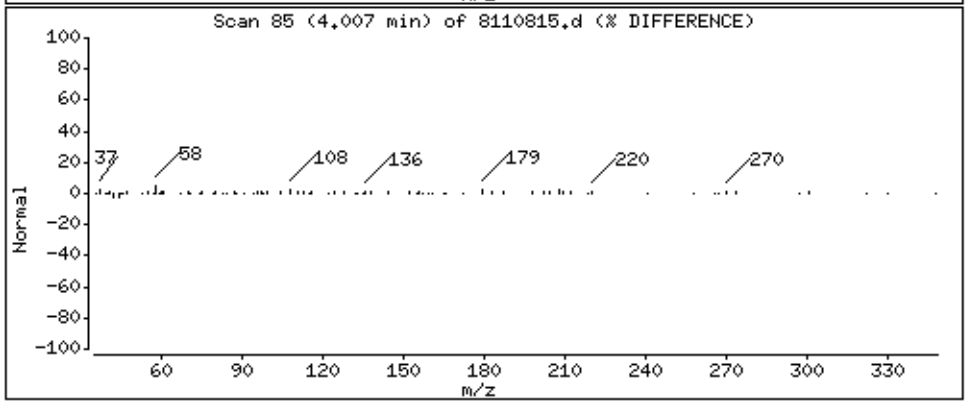












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0710683-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 04:54 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#: 0710683-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 04:54 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	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-08nov.b/8110806.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 08-NOV-2007 16:54
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #13673
Misc Info : Humid Cert Cart #14 Leg 6
Comment :
Method : /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Meth Date : 09-Nov-2007 07:39 cbond Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.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	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.214 (1.000)	130	347300	25.0000		80.00- 120.00	100.00
7.215	7.214 (1.000)	128	269497			51.82- 111.82	77.60
7.215	7.214 (1.000)	49	718811			189.80- 249.80	206.97
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1420290	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	252944			0.00- 48.33	17.81
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.459	14.431 (1.000)	117	1039035	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	684351			0.00- 30.00	65.86
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	571533	24.0354	24.035	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	289739			0.00- 30.00	50.70
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1287012	24.5690	24.569	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	141168			0.00- 30.00	10.97

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	852931			0.00- 30.00	66.27
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.113)	174	586986	23.9875	23.988	80.00- 120.00	100.00
16.090	16.090 (1.113)	95	931261			129.91- 189.91	158.65
16.090	16.090 (1.113)	176	556754			67.49- 127.49	94.85

Report Date: 09-Nov-2007 08:59

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110806.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: Humid Cert Cart #14 Leg 6

Calibration Date: 08-NOV-2007
Calibration Time: 15:03
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	334517	200710	468324	347300	3.82
88 1,4-Difluorobenze	1435973	861584	2010362	1420290	-1.09
125 Chlorobenzene-d5	1037372	622423	1452321	1039035	0.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.46	0.19

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: 09-Nov-2007 08:59

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-08nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: Humid Cert Cart #14 Leg 6

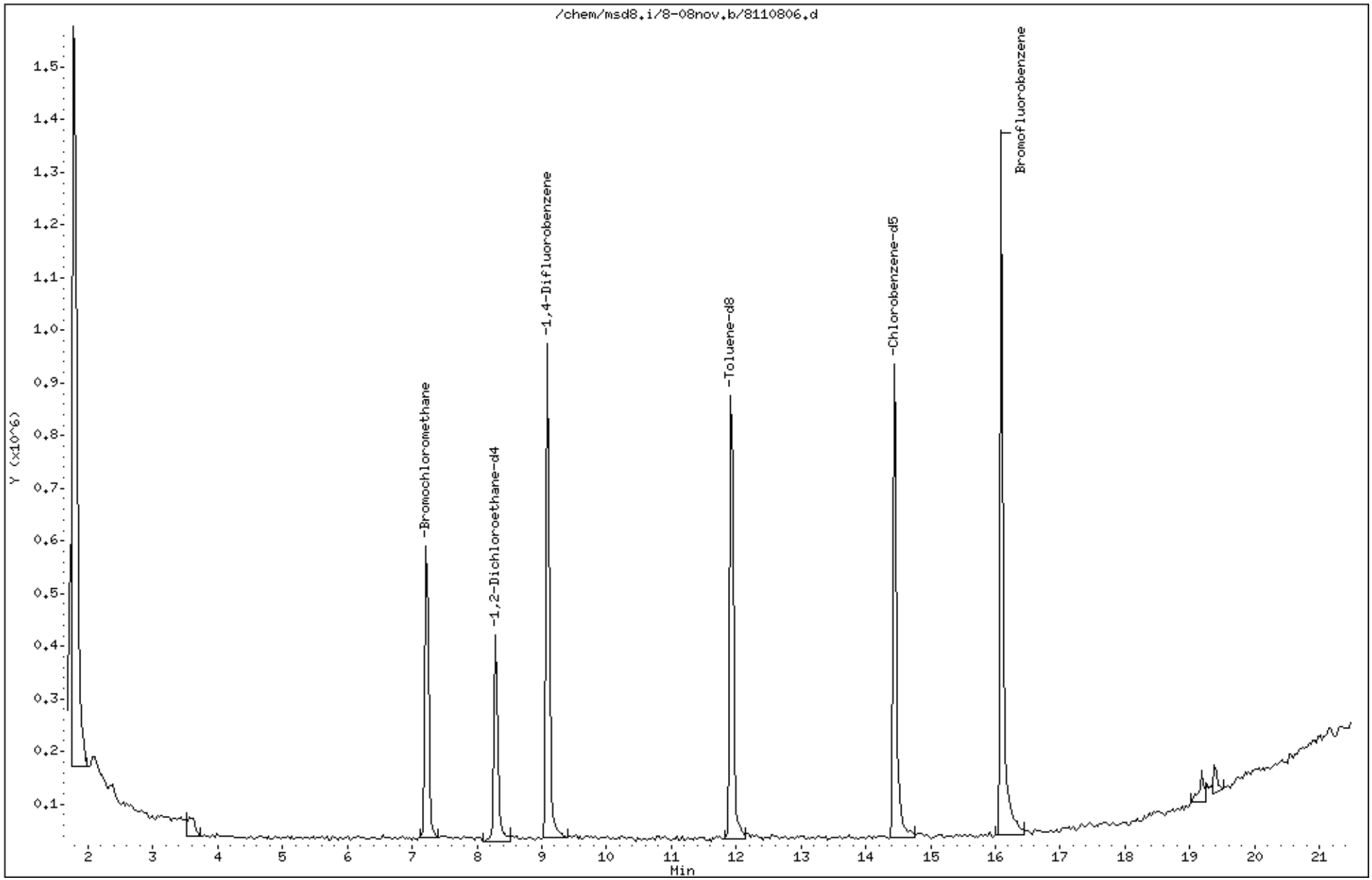
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.035	96.14	70-130
$ 104 Toluene-d8	25.000	24.569	98.28	70-130
$ 140 Bromofluorobenzene	25.000	23.988	95.95	70-130

0032

Data File: /chem/msd8.i/8-08nov.b/8110806.d
Date : 08-NOV-2007 16:54
Client ID: Lab Blank
Sample Info: 200mL #13673

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0710683

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UW AMS 1	95		96		94				0
02	DW AMS 5	101		92		91				0
03	Lab Blank	96		98		96				0
04	CCV	102		99		97				0
05	LCS	99		96		100				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0710683

Lab File ID: 8110804.d | Date Analyzed: 11/08/2007

Instrument ID: msd8.i | Time Analyzed: 03:03 PM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1037372		14.43		1435973		9.09		334517		7.21	
	UPPER LIMIT	1452321		14.76		2010362		09.42		468324		07.54	
	LOWER LIMIT	622423		14.10		861584		08.76		200710		06.88	
	CLIENT SAMPLE NO												
01	UW AMS 1	982511		14.46		1387556		9.09		347426		7.24	
02	DW AMS 5	975668		14.46		1409919		9.09		336445		7.24	
03	Lab Blank	1039035		14.46		1420290		9.09		347300		7.21	
04	CCV	1037372		14.43		1435973		9.09		334517		7.21	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2007 12:54
End Cal Date : 07-NOV-2007 16:52
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 ctaylor
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd8.i/8-07nov.b/8110703.d
Level 2: /chem/msd8.i/8-07nov.b/8110711.d
Level 3: /chem/msd8.i/8-07nov.b/8110705.d
Level 4: /chem/msd8.i/8-07nov.b/8110706.d
Level 5: /chem/msd8.i/8-07nov.b/8110707.d
Level 6: /chem/msd8.i/8-07nov.b/8110708.d
Level 7: /chem/msd8.i/8-07nov.b/8110709.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Propylene	+++++	+++++	1.84098	1.40557	1.33784	1.32804	1.46730	1.47595	14.342
4 Dichlorodifluoromethane/Fr12	+++++	3.68066	3.47009	3.18836	2.83599	2.75792	2.59569	3.08812	13.907
5 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 114	+++++	2.74272	2.97799	2.52601	2.32632	2.27790	2.23921	2.51502	11.717
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD	
8 Chloromethane	+++++	+++++	2.34282	1.79578	1.72405	1.57507	1.36440	1.76042	20.735	
9 Butane	+++++	+++++	0.55651	0.35641	0.36652	0.35692	0.35777	0.39883	22.127	
10 1,3-Butadiene	+++++	2.19059	1.94392	1.60393	1.49340	1.48799	1.45060	1.69507	17.876	
11 Vinyl Chloride	+++++	2.09749	1.98075	1.73258	1.64192	1.60559	1.55822	1.76943	12.417	
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
13 Bromomethane	+++++	1.34861	1.35980	1.09466	1.11759	1.10092	1.07160	1.18220	11.343	
14 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
15 Isopentane	+++++	+++++	3.50322	2.64746	2.50006	2.46569	2.38679	2.70064	16.978	
16 Chloroethane	+++++	1.63951	1.12936	0.93638	0.84911	0.81082	0.78120	1.02440	31.861	<-
17 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

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Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
18 Trichlorofluoromethane/Fr11	+++++	3.88404	4.26195	3.54006	3.36145	3.32487	3.28432	3.60945	10.760
19 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
21 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Ethanol	+++++	+++++	1.17141	1.10826	0.98836	0.92554	0.70961	0.98064	18.330
24 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
28 Freon 113	+++++	2.39366	2.37908	1.99084	1.82831	1.83631	1.81862	2.04114	13.467
29 1,1-Dichloroethene	+++++	2.95498	3.48315	2.58487	2.42785	2.40903	2.38866	2.70809	16.069
30 Acetone	+++++	+++++	1.52035	1.21749	1.13169	1.13120	1.10831	1.22181	14.079
31 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Carbon Disulfide	+++++	5.96149	5.60012	4.45125	4.28305	4.21447	4.23167	4.79034	16.286
34 2-Propanol	+++++	+++++	6.57739	5.37468	5.06003	5.04772	4.83857	5.37968	12.944
35 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 3-Chloropropene	+++++	+++++	0.93495	0.72184	0.68876	0.69041	0.66033	0.73926	15.088

Air Toxics Ltd.

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Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD	
38 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
39 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
40 Methylene Chloride	+++++	3.11045	2.67403	2.18490	2.07648	2.05245	2.01470	2.35217	18.882	
41 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
42 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
43 MTBE	+++++	2.91160	2.56387	2.15603	1.66250	1.33432	+++++	2.12566	30.227	<-
44 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
45 trans-1,2-Dichloroethene	+++++	2.15730	2.00991	1.60756	1.52360	1.49412	1.46849	1.71016	17.350	
46 Hexane	+++++	4.22526	4.05603	3.36384	3.12928	3.10138	3.09856	3.49572	14.649	
47 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

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Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
48 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
52 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 1,1-Dichloroethane	+++++	3.59238	3.62906	3.07631	2.97902	2.88291	2.86966	3.17156	10.986
55 Vinyl Acetate	+++++	+++++	0.39284	0.38878	0.37343	0.39011	0.39724	0.38848	2.321
56 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 08-Nov-2007 09:44 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							
58 Ethyl-tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
59 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
61 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
63 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
64 cis-1,2-Dichloroethene	+++++	2.77405	2.86813	2.28144	2.19356	2.16349		
	2.16659						2.40788	13.467
65 2-Butanone	+++++	1.50242	1.26018	1.03105	0.99520	0.97160		
	0.98776						1.12470	19.018
66 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
67 Tetrahydrofuran	+++++	3.80540	3.99846	2.94464	2.85066	2.76672		
	2.75224						3.18635	17.633

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
69 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Chloroform	4.06357	3.68789	3.55554	2.86100	2.73820	2.67126	2.68485	3.18033	18.066
71 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 Cyclohexane	+++++	2.78867	2.94810	2.21853	2.11098	2.06821	2.05245	2.36449	16.824
74 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 1,1,1-Trichloroethane	+++++	2.67899	3.34063	2.85168	2.69215	2.65405	2.63294	2.80841	9.686
76 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	2.93239	2.89833	2.46925	2.41002	2.37629	2.34696	2.57221	10.462
78 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
79 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
80 2,2,4-Trimethylpentane	+++++	11.92011	11.74660	9.67063	9.17114	9.13712		
	9.20553						10.14186	13.072
81 Benzene	1.49128	1.23469	1.43228	1.11295	1.07810	1.05530		
	1.04293						1.20679	15.418
83 1,2-Dichloroethane	+++++	0.61989	0.66962	0.55898	0.53517	0.51642		
	0.51091						0.56850	11.152
84 Thiopene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 Heptane	+++++	0.21073	0.15651	0.11908	0.11515	0.11421		
	0.11243						0.13802	28.490
86 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
89 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
90 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
91 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
92 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
93 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
94 Trichloroethene	+++++	0.68175	0.52981	0.42609	0.41460	0.40549		
	0.39930						0.47617	23.450
95 Methyl Cyclohexane	+++++	3.21787	3.38017	2.83724	2.66551	2.64831		
	2.61773						2.89447	11.284
96 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
97 1,2-Dichloropropane	+++++	0.64869	0.55021	0.42812	0.40690	0.39703		
	0.39611						0.47118	22.234
98 1,4-Dioxane	+++++	+++++	0.40850	0.32400	0.32219	0.31797		
	0.30999						0.33653	12.062
99 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
100 Bromodichloromethane	+++++	0.88965	0.85007	0.69037	0.68224	0.67891		
	0.67074						0.74366	13.279

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2007 12:54
End Cal Date : 07-NOV-2007 16:52
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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							
101 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
102 cis-1,3-Dichloropropene	+++++	0.55128	0.69454	0.57700	0.54906	0.53921		
	0.52935						0.57341	10.716
103 4-Methyl-2-pentanone	+++++	0.60753	0.74206	0.53570	0.50479	0.50256		
	0.49388						0.56442	17.104
105 Toluene	+++++	1.43558	1.29985	1.12498	1.06749	1.05902		
	1.04988						1.17280	13.569
106 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
108 trans-1,3-Dichloropropene	+++++	0.88822	0.95629	0.82869	0.79534	0.81424		
	0.78430						0.84451	7.785
109 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 1,1,2-Trichloroethane	+++++	0.58676	0.67549	0.52374	0.49904	0.48886		
	0.46927						0.54053	14.355
111 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
112 Tetrachloroethene	+++++	0.75335	0.73638	0.58858	0.56914	0.56575	0.53947	0.62545	15.024
113 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 2-Hexanone	+++++	+++++	1.27520	1.11347	1.07303	1.06288	1.03401	1.11172	8.610
115 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 Dibromochloromethane	+++++	0.86263	0.90005	0.78204	0.75517	0.77792	0.74429	0.80368	7.825
117 1,2-Dibromoethane	+++++	1.22907	1.03249	0.89670	0.84996	0.85320	0.81812	0.94659	16.652
118 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
121 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2007 12:54
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
122 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
126 Chlorobenzene	+++++	1.48358	1.54521	1.25592	1.18855	1.16486	1.12497	1.29385	13.690
127 Bis(2-chloroethyl) ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 Ethyl Benzene	+++++	0.84309	0.82390	0.68919	0.67828	0.68369	0.64898	0.72786	11.434
130 m,p-Xylene	+++++	1.06357	1.13932	0.88422	0.87428	0.85213	0.83553	0.94151	13.523
131 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
132 o-Xylene	+++++	0.95595	0.99910	0.83754	0.79798	0.80430	0.76242	0.85955	11.102

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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							
133 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
134 Styrene	1.79135	1.45804	1.61080	1.55631	1.50059	1.54048		
	1.45330						1.55870	7.491
135 Bromoform	+++++	0.66547	0.76048	0.75118	0.70721	0.75062		
	0.70633						0.72355	5.096
136 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
137 Cumene	3.56190	3.08147	3.07188	2.55953	2.50292	2.52307		
	2.30779						2.80122	15.956
138 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
139 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
141 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
142 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
143 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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							
144 1,1,2,2-Tetrachloroethane	+++++	1.57944	1.63935	1.37679	1.30477	1.31160		
	1.28759						1.41659	10.840
145 Propylbenzene	+++++	3.22775	3.52898	3.09259	3.02123	3.10907		
	2.39805						3.06294	12.139
146 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
147 4-Ethyltoluene	+++++	2.63337	2.89714	2.58927	2.52325	2.63364		
	2.41386						2.61509	6.162
148 1,3,5-Trimethylbenzene	+++++	3.61388	3.10564	2.57224	2.45661	2.49816		
	2.05688						2.71723	20.344
149 2,6-Dimethyl-1-propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
151 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
152 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
153 1,2,4-Trimethylbenzene	+++++	2.63031	2.51974	2.11339	2.03673	2.06018		
	2.03434						2.23245	12.057

Air Toxics Ltd.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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							
154 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
155 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
156 1,3-Dichlorobenzene	+++++	1.62903	1.46742	1.22270	1.17210	1.18503		
	1.14944						1.30429	15.118
157 1,4-Dichlorobenzene	+++++	2.14268	2.08559	1.56322	1.45239	1.41796		
	1.29607						1.65965	21.851
158 alpha-Chlorotoluene	+++++	2.13138	2.23578	1.96051	1.98136	1.93498		
	1.99398						2.03966	5.784
159 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.71074	1.86589	1.29460	1.19658	1.22512		
	1.13522						1.40469	21.749
162 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Start Cal Date : 07-NOV-2007 12:54
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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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								
164 Aniline	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
165 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
167 1,2,4-Trichlorobenzene	+++++	+++++	2.80274	1.55488	1.62161	1.61570			
	1.60426						1.83984	29.292	
168 Hexachlorobutadiene	+++++	+++++	1.39178	0.98134	0.90078	0.91036			
	0.85721						1.00829	21.716	
169 Naphthalene	+++++	+++++	4.45146	2.50359	2.55252	2.56063			
	2.21037						2.85572	31.641	<-
170 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
172 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
$ 82 1,2-Dichloroethane-d4	1.64485	1.68074	1.64534	1.66490	1.67394	1.77165			
	1.90043						1.71169	5.473	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2007 12:54
End Cal Date : 07-NOV-2007 16:52
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-07nov.b/t14qn07a.m
Cal Date : 08-Nov-2007 09:44 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	___ RRF	% RSD
$ 104 Toluene-d8	0.92769	0.91310	0.91856	0.91456	0.91369	0.93893			
	0.92786							0.92206	1.056
$ 140 Bromofluorobenzene	0.57612	0.57571	0.58512	0.60184	0.57616	0.61582			
	0.59068							0.58878	2.602

Calibration History

Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Start Cal Date: 07-NOV-2007 12:54
End Cal Date : 07-NOV-2007 16:52

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
07-NOV-2007 12:54	AFCEElow	/chem/msd8.i/8-07nov.b/8110703.d
Cal Level: 2 , Cal Amount: 0.50000		
07-NOV-2007 16:52	AT04Low+ENSR	/chem/msd8.i/8-07nov.b/8110711.d
Cal Level: 3 , Cal Amount: 2.00000		
07-NOV-2007 13:49	AT04mdl+ENSR	/chem/msd8.i/8-07nov.b/8110705.d
Cal Level: 4 , Cal Amount: 25.00000		
07-NOV-2007 14:16	AT04mdl+ENSR	/chem/msd8.i/8-07nov.b/8110706.d
Cal Level: 5 , Cal Amount: 50.00000		
07-NOV-2007 14:44	AT04mdl+ENSR	/chem/msd8.i/8-07nov.b/8110707.d
Cal Level: 6 , Cal Amount: 100.00000		
07-NOV-2007 15:12	AT04mdl+ENSR	/chem/msd8.i/8-07nov.b/8110708.d
Cal Level: 7 , Cal Amount: 200.00000		
07-NOV-2007 15:42	AT04mdl+ENSR	/chem/msd8.i/8-07nov.b/8110709.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000
07-NOV-2007 14:44 | AT04mdl+ENSR | /chem/msd8.i/8-07nov.b/8110707a.d
Ccal Level: 5 , Ccal Amount: 50.000
07-NOV-2007 14:44 | AT04mdl+ENSR | /chem/msd8.i/8-07nov.b/8110707.d

@ Air Toxics Ltd.

MSD-8

Logbook #: 1587

0055

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.80
75	30.0 – 60.0% of mass 95	46.90
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.47
173	Less than 2.0% of mass 174	(0.96)[1]
174	Greater than 50.0% of mass 95	85.04
175	5.0 – 9.0% of mass 174	(7.36)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.23)[1]
177	5.0 – 9.0% of mass 176	(6.29)[2]

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

BFB Injection Date: 11-7-07
BFB Injection Time: 11:54
BFB File ID: 8110701
Tekmar Purge Flow: 16.3 mL/min
Vacuum: 1.3X10-5

IS/S Std.#: 1576-43	Exp. Date: 01-15-08
BCM	323542
1,4-DFB	1314228
CB-d5	962005

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

Verify 176/174 m/z Ratio: 121612/127744 x 100 = 95.23

NOAH Cart #: 8 10 / 14 (11-8-07 CT.) **File #:** F110608 / F110706

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 541590\ )}{(\ 323542\ )} \times \frac{(\ 25\ )}{(\ 1.71164\ )} = 24.449$

Reported Result 24.449

File ID: 8110707
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	✓	8110701	BFB Tune Check	1476-60	50 ng	2 µL	1.00	11-7-07	1154	CT.	Single scan 21 Apex +1
2	✓	02	Lab Blank	13673	Humid	200mL			1226		
3	✓	03	ICAL Level 1 200ppbv	1576-93	0.2 ppbv	0.2 mL			1254		TIC NO7a
4	X	04	2		0.5 ppbv	0.5 mL			1321		
5	✓	05	3		2.0 ppbv	2.0 mL			1349		
6	✓	06	4		25 ppbv	25 mL			1444 16		
7	✓	07	5		50 ppbv	50 mL			1444 11-7-07 CT		CCV
8	✓	08	6		100 ppbv	100 mL			1512		

C Taylor 11-7-07
Signature

11-7-07
Date

9	✓	8110709		ICAL Level 7	1576-93	~~1576-93~~ 11-7-07 CT 200ppbv	200mL	1.00	11-7-07	1542	CT	
10	✓		10	Lab Blank	13673	Humid	200mL	↓	↓	1611	↓	
11	✓		11	ICAL Level 2	1576-93	0.5ppbv	0.5mL			1652	↓	
12	✓		12	LCS (200ppbv)	1443-345	50ppbv	50mL			1720	↓	ICAL LCS alphachlorotoluene
13	✓		13	Lab Blank	13673	Humid	200mL	↓		1749	↓	
14	✓		14	0710650A- 01A	24490	7.0"Hg→5psi	35mL	10		1856	QM/LO	
15	✓		15	↓ -01AA	↓	↓	↓	↓		1932	QM/LO	
16	✓		16	-02A	32125	3.0"Hg→5psi	200mL	1.49		2014	QM/CT	
17	✓		17	-03A	4164	6.0"Hg→5psi	↓	1.68		2057	QM/CT	
18	X		18	-04A	34499	3.5"Hg→5psi	3.0mL	101		2134	QM/CT	rre 40mL
19	✓		19	-05A	04588	2.5	200mL	1.46		2207	QM/CT	
20	X		20	-06A	33381	5.5	75mL	4.37		2245	QM/CT	rre 200mL
21	✓		21	↓ -07A	12671	5.0 ↓	200mL	1.61	↓	2327	QM/CT	
22	✓		22	0710660- 01A	35640	5.0"Hg→15psi	200mL	2.42	11/8/07	0009	QM/CT	
23	X		23	0710650A-04A	34499	3.5"Hg→5psi	4.0mL	76.0	↓	0234	QM/CT	Outside 12hr clock
24	X		24	0710650A-06A	33381	5.5"Hg→5psi	200mL	1.64	↓	0407	QM/CT	↓
25	✓		25	0710660-02A	34156	3.5"Hg→15psi	200mL	2.29	11/8/07	0828	CT	
26			26	↓ -03A	31792	6.0"Hg→15psi	200mL	2.53				-02A
27			27/28	0710628-02A ~~-02AA~~	~~2053~~ 2053	~~9.5"Hg→15psi~~ 9.5"Hg→15psi		~~2.96~~ 2.96				-02AA
28			29 ~~28~~	-03A	20778	8.0"Hg→15psi		2.76				
29			30 ~~29~~	-04A	35607	7.5"Hg→15psi		2.69				
30			31 ~~30~~	-05A	35647	8.0"Hg→15psi		2.76				
31			32 ~~31~~	-06A	35691	3.5"Hg→15psi	↓	2.29				
32		↓	33 ~~32~~	↓ -01A	2037	4.0"Hg→15psi	18.5mL	5.27	↓			

11-8-07 CT 11-8-07 CT 11-8-07 CT

Comments: Actual 25.2mL/min Nominal 22.4mL/min

Flow controller serial # AA9506172

Nist Flow meter Serial #203-7744 Exp8-31-08

C Taylor
Signature

11-8-07
Date

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

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

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

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

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-8 on 11/07/2007. As noted on the accompanying analytical run logs, the following point calibration level 2 was re-analyzed due to:

a. anomalous unacceptable linearity for MTBE and Heptane

The following compounds used 0.2 ppbv as the lowest calibration concentration: Chloroform, Benzene, Cumene and Styrene.

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110712.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 07-NOV-2007 17:20
Operator : ct Inst ID: msd8.i
Smp Info : 50mL#1443-345
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:44 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	324266	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	252222			48.26- 108.26	77.78
7.214	7.214 (1.000)	49	667677			172.76- 232.76	205.90
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1289125	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	232226			0.00- 48.59	18.01
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	967417	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	638665			0.00- 30.00	66.02
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	564572	25.4292	25.429	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	308053			0.00- 30.00	54.56
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1230118	25.8722	25.872	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	134340			0.00- 30.00	10.92

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	830093			0.00- 30.00	67.48
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	558172	24.4986	24.499	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	877635			132.22- 192.22	157.23
16.090	16.090 (1.115)	176	570382			72.38- 132.38	102.19
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	864724	45.1695	45.170	80.00- 120.00	100.00
1.961	1.961 (0.272)	42	592857			0.00- 30.00	68.56
1.961	1.961 (0.272)	39	588901			0.00- 30.00	68.10
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	1787600	44.6288	44.629	80.00- 120.00	100.00
1.989	1.989 (0.276)	87	569446			0.00- 30.00	31.86
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	1433040	43.9294	43.929	80.00- 120.00	100.00
2.072	2.072 (0.287)	137	442317			2.23- 62.23	30.87
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	1028112	45.0258	45.026	80.00- 120.00	100.00
2.210	2.210 (0.306)	52	309343			0.00- 30.00	30.09
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	1005748	43.8223	43.822	80.00- 120.00	100.00
2.348	2.348 (0.325)	64	278985			0.00- 30.00	27.74
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	936258	42.5840	42.584	80.00- 120.00	100.00
2.320	2.320 (0.322)	39	867170			0.00- 30.00	92.62
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	668983	43.6278	43.628	80.00- 120.00	100.00
2.763	2.763 (0.383)	96	653045			62.69- 122.69	97.62
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	529374	39.8413	39.841	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	155829			0.00- 30.00	29.44
2.846	2.846 (0.394)	66	163239			0.00- 30.00	30.84
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	2111809	45.1079	45.108	80.00- 120.00	100.00
3.095	3.095 (0.429)	103	1356021			33.47- 93.47	64.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	468475	36.8313	36.831	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	89883			0.00- 30.00	19.19
3.399	3.399 (0.471)	46	175776			0.00- 30.00	37.52
28 Freon 113					CAS #: 76-13-1		
3.813	3.814 (0.529)	151	1317713	49.7723	49.772	80.00- 120.00	100.00
3.813	3.814 (0.529)	153	828473			34.96- 94.96	62.87
3.813	3.814 (0.529)	101	1865160			110.67- 170.67	141.55
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1697712	48.3325	48.332	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	908825			23.05- 83.05	53.53
3.841	3.841 (0.532)	98	577472			4.77- 64.77	34.01
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	574291	36.2384	36.238	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	1848796			0.00- 30.00	321.93
34 2-Propanol					CAS #: 67-63-0		
4.145	4.173 (0.575)	45	2200378	31.5340	31.534	80.00- 120.00	100.00
4.145	4.173 (0.575)	43	431485			0.00- 30.00	19.61
4.173	4.173 (0.578)	59	77520			0.00- 30.00	3.52
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	2703020	43.5032	43.503	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	419245	43.7230	43.723	80.00- 120.00	100.00
4.422	4.422 (0.613)	41	1630661			0.00- 30.00	388.95
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1380938	45.2631	45.263	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	822848			29.85- 89.85	59.59
4.671	4.671 (0.647)	51	424523			0.00- 30.00	30.74
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	966161	35.0424	35.042	80.00- 120.00	100.00
5.002	5.002 (0.693)	57	269828			0.00- 56.82	27.93
5.002	5.002 (0.693)	41	268233			0.00- 30.00	27.76
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	954283	43.0208	43.021	80.00- 120.00	100.00
5.030	5.030 (0.697)	61	1596942			134.87- 194.87	167.34
5.030	5.030 (0.697)	98	582580			0.00- 30.00	61.05

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	1997645	44.0575	44.058	80.00- 120.00	100.00
5.390	5.390 (0.747)	43	1346491			0.00- 30.00	67.40
5.390	5.390 (0.747)	86	288000			0.00- 30.00	14.42
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	1944183	47.2610	47.261	80.00- 120.00	100.00
5.777	5.777 (0.801)	65	579448			0.00- 59.35	29.80
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	241506	47.9292	47.929	80.00- 120.00	100.00
5.860	5.860 (0.812)	43	3167124			0.00- 30.00	1311.41
5.860	5.860 (0.812)	42	231420			0.00- 30.00	95.82
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	456320	31.2803	31.280	80.00- 120.00	100.00
6.855	6.855 (0.950)	43	2451476			637.97- 697.97	537.23
6.855	6.855 (0.950)	57	174622			0.00- 30.00	38.27
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1355099	43.3886	43.388	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	896289			34.04- 94.04	66.14
6.800	6.800 (0.942)	98	567914			10.46- 70.46	41.91
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1394221	33.7347	33.735	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	410871			0.00- 58.92	29.47
7.214	7.214 (1.000)	72	423910			0.00- 30.00	30.40
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1738353	42.1410	42.141	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	1128579			34.34- 94.34	64.92
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.601	7.601 (1.054)	97	1719314	47.1991	47.199	80.00- 120.00	100.00
7.601	7.601 (1.054)	99	1080425			34.72- 94.72	62.84
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1344163	43.8282	43.828	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1887960			112.65- 172.65	140.46
7.574	7.574 (1.050)	41	1055844			48.57- 108.57	78.55
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1475490	44.2251	44.225	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1583301			74.74- 134.74	107.31

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		
8.293	8.293 (1.149)	57	5790422	44.0181	44.018	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1804325			0.00- 30.00	31.16
8.293	8.293 (1.149)	41	1474449			0.00- 30.00	25.46
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	2773428	44.5686	44.569	80.00- 120.00	100.00
8.237	8.237 (0.906)	77	638938			0.00- 30.00	23.04
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1354499	46.2055	46.206	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	409988			0.00- 30.00	30.27
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	301720	42.3946	42.395	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2157146			0.00- 30.00	714.95
8.680	8.680 (0.954)	71	962886			0.00- 30.00	319.13
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	1062050	43.2538	43.254	80.00- 120.00	100.00
9.482	9.509 (1.043)	130	981923			63.99- 123.99	92.46
9.482	9.482 (1.043)	97	660186			33.44- 93.44	62.16
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	1040320	42.8180	42.818	80.00- 120.00	100.00
10.007	10.007 (1.100)	62	708434			38.97- 98.97	68.10
10.007	10.007 (1.100)	41	678267			35.16- 95.16	65.20
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	614723	35.4244	35.424	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	521784			52.48- 112.48	84.88
10.228	10.228 (1.125)	57	156640			0.00- 30.00	25.48
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1752838	45.7100	45.710	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	1122407			32.47- 92.47	64.03
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	1357775	45.9209	45.921	80.00- 120.00	100.00
11.500	11.500 (1.264)	77	407502			0.67- 60.67	30.01
11.500	11.500 (1.264)	39	859025			32.44- 92.44	63.27
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	937324	32.2057	32.206	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	2509890			0.00- 30.00	267.77
11.832	11.832 (1.301)	85	346726			0.00- 30.00	36.99

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2842440	47.0016	47.002	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1720560			31.17- 91.17	60.53
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1351470	41.3548	41.355	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	424801			1.15- 61.15	31.43
12.689	12.689 (0.879)	39	825840			31.09- 91.09	61.11
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	877859	41.9694	41.969	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	547484			30.63- 90.63	62.37
12.993	12.993 (0.900)	83	806560			58.67- 118.67	91.88
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	1044672	43.1635	43.163	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	855319			51.23- 111.23	81.87
13.021	13.021 (0.902)	131	826254			46.89- 106.89	79.09
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	1221628	28.3969	28.397	80.00- 120.00	100.00(R)
13.436	13.436 (0.931)	43	2384641			157.50- 217.50	195.20
13.436	13.436 (0.931)	100	198648			0.00- 30.00	16.26
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1384639	44.5223	44.522	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1063501			0.00- 30.00	76.81
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1415231	38.6360	38.636	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1347000			65.65- 125.65	95.18
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2117121	42.2852	42.285	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	682545			1.16- 61.16	32.24
14.486	14.486 (1.004)	77	1434300			35.10- 95.10	67.75
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	1216440	43.1888	43.189	80.00- 120.00	100.00
14.624	14.624 (1.013)	91	3843584			0.00- 30.00	315.97
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1498466	41.1291	41.129	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3023149			0.00- 30.00	201.75
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	1416336	42.5816	42.582	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)							
15.371	15.371 (1.065)	91	3031465			186.24- 246.24	214.04
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	2356723	39.0727	39.073	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1315792			24.59- 84.59	55.83
135 Bromoform					CAS #: 75-25-2		
15.647	15.647 (1.084)	173	1241650	44.3464	44.346	80.00- 120.00	100.00
15.647	15.647 (1.084)	171	652926			22.82- 82.82	52.59
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2121260	38.6969	38.697	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1368519			34.50- 94.50	64.51
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	4395235	43.4332	43.433	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1189430			0.00- 57.87	27.06
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	4171318	39.6710	39.671	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	1756534			0.00- 30.00	42.11
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	3440393	39.8247	39.825	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1405745			9.64- 69.64	40.86
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	1915712	37.9563	37.956	80.00- 120.00	100.00
17.362	17.362 (1.203)	148	1204059			0.00- 30.00	62.85
17.334	17.362 (1.201)	111	837094			0.00- 30.00	43.70
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2350542	36.5997	36.600	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1474418			0.00- 30.00	62.73
17.445	17.445 (1.209)	111	1055466			0.00- 30.00	44.90
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	2995568	37.9531	37.953	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	547815			0.00- 30.00	18.29
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	1877594	34.5419	34.542	80.00- 120.00	100.00(R)
17.804	17.804 (1.234)	148	1197340			32.41- 92.41	63.77
17.804	17.804 (1.234)	111	948903			20.14- 80.14	50.54

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	1958164	27.5040	27.504	80.00- 120.00	100.00(R)
19.187	19.187 (1.330)	182	1876063			63.89- 123.89	95.81
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1320001	33.8309	33.831	80.00- 120.00	100.00(R)
19.270	19.270 (1.335)	223	833298			34.22- 94.22	63.13
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	5308768	44.7900	44.790	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1084161			0.00- 30.00	20.42
16.366	16.366 (1.134)	105	182234			0.00- 30.00	3.43
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	4603574	42.4691	42.469	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1052959			0.00- 30.00	22.87
15.841	15.841 (1.098)	51	571404			0.00- 30.00	12.41
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	4217007	38.1606	38.161	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	524439			0.00- 30.00	12.44
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	230508	44.5596	44.560	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1790371			0.00- 30.00	776.71
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	1573453	44.9185	44.918	80.00- 120.00	100.00
2.846	2.846 (0.394)	57	1014331			0.00- 30.00	64.47
2.846	2.846 (0.394)	72	89737			0.00- 30.00	5.70
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.730	9.730 (1.349)	83	1694472	45.1340	45.134	80.00- 120.00	100.00
9.730	9.730 (1.349)	98	765769			0.00- 30.00	45.19
9.703	9.730 (1.345)	55	1737493			0.00- 30.00	102.54

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110712.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	324266	0.22
88 1,4-Difluorobenze	1314228	788537	1839919	1289125	-1.91
125 Chlorobenzene-d5	962005	577203	1346807	967417	0.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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: 08-Nov-2007 09:48

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-07nov
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: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	39.073	78.15	70-130
108 trans-1,3-Dichloro	50.000	41.355	82.71	70-130
3 Propylene	50.000	45.170	90.34	60-140
4 Dichlorodifluorome	50.000	44.629	89.26	70-130
6 Freon 114	50.000	43.929	87.86	70-130
8 Chloromethane	50.000	45.026	90.05	70-130
11 Vinyl Chloride	50.000	43.822	87.64	70-130
10 1,3-Butadiene	50.000	42.584	85.17	60-140
13 Bromomethane	50.000	43.628	87.26	70-130
16 Chloroethane	50.000	39.841	79.68	70-130
18 Trichlorofluoromet	50.000	45.108	90.22	70-130
23 Ethanol	50.000	36.831	73.66	60-140
28 Freon 113	50.000	49.772	99.54	70-130
29 1,1-Dichloroethene	50.000	48.332	96.67	70-130
30 Acetone	50.000	36.238	72.48	60-140
33 Carbon Disulfide	50.000	43.503	87.01	60-140
34 2-Propanol	50.000	31.534	63.07	60-140
40 Methylene Chloride	50.000	45.263	90.53	70-130
43 MTBE	50.000	35.042	70.08	60-140
45 trans-1,2-Dichloro	50.000	43.021	86.04	60-140
46 Hexane	50.000	44.058	88.12	60-140
54 1,1-Dichloroethane	50.000	47.261	94.52	70-130
55 Vinyl Acetate	50.000	47.929	95.86	60-140
64 cis-1,2-Dichloroet	50.000	43.388	86.78	70-130
65 2-Butanone	50.000	31.280	62.56	60-140
67 Tetrahydrofuran	50.000	33.735	67.47	60-140
70 Chloroform	50.000	42.141	84.28	70-130
73 Cyclohexane	50.000	43.828	87.66	60-140
75 1,1,1-Trichloroeth	50.000	47.199	94.40	70-130
77 Carbon Tetrachlori	50.000	44.225	88.45	70-130
81 Benzene	50.000	44.569	89.14	70-130
83 1,2-Dichloroethane	50.000	46.206	92.41	70-130
85 Heptane	50.000	42.395	84.79	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	43.254	86.51	70-130
97 1,2-Dichloropropan	50.000	42.818	85.64	70-130
98 1,4-Dioxane	50.000	35.424	70.85	60-140
100 Bromodichlorometha	50.000	45.710	91.42	60-140
102 cis-1,3-Dichloropr	50.000	45.921	91.84	70-130
103 4-Methyl-2-pentano	50.000	32.206	64.41	60-140
105 Toluene	50.000	47.002	94.00	70-130
110 1,1,2-Trichloroeth	50.000	41.969	83.94	70-130
112 Tetrachloroethene	50.000	43.163	86.33	70-130
114 2-Hexanone	50.000	28.397	56.79*	60-140
116 Dibromochlorometha	50.000	44.522	89.04	60-140
117 1,2-Dibromoethane	50.000	38.636	77.27	70-130
126 Chlorobenzene	50.000	42.285	84.57	70-130
129 Ethyl Benzene	50.000	43.189	86.38	70-130
130 m,p-Xylene	50.000	41.129	82.26	70-130
132 o-Xylene	50.000	42.582	85.16	70-130
135 Bromoform	50.000	44.346	88.69	60-140
144 1,1,2,2-Tetrachlor	50.000	38.697	77.39	70-130
147 4-Ethyltoluene	50.000	43.433	86.87	60-140
148 1,3,5-Trimethylben	50.000	39.671	79.34	70-130
153 1,2,4-Trimethylben	50.000	39.825	79.65	70-130
156 1,3-Dichlorobenzen	50.000	37.956	75.91	70-130
157 1,4-Dichlorobenzen	50.000	36.600	73.20	70-130
158 alpha-Chlorotoluen	50.000	37.953	75.91	70-130
161 1,2-Dichlorobenzen	50.000	34.542	69.08*	70-130
167 1,2,4-Trichloroben	50.000	27.504	55.01*	70-130
168 Hexachlorobutadien	50.000	33.831	67.66*	70-130
137 Cumene	50.000	42.469	84.94	60-140
145 Propylbenzene	50.000	44.790	89.58	60-140
37 3-Chloropropene	50.000	43.723	87.45	60-140
80 2,2,4-Trimethylpen	50.000	44.018	88.04	60-140
169 Naphthalene	50.000	38.161	76.32	60-140
9 Butane	50.000	44.560	89.12	70-130
15 Isopentane	50.000	44.918	89.84	70-130
95 Methyl Cyclohexane	50.000	45.134	90.27	70-130

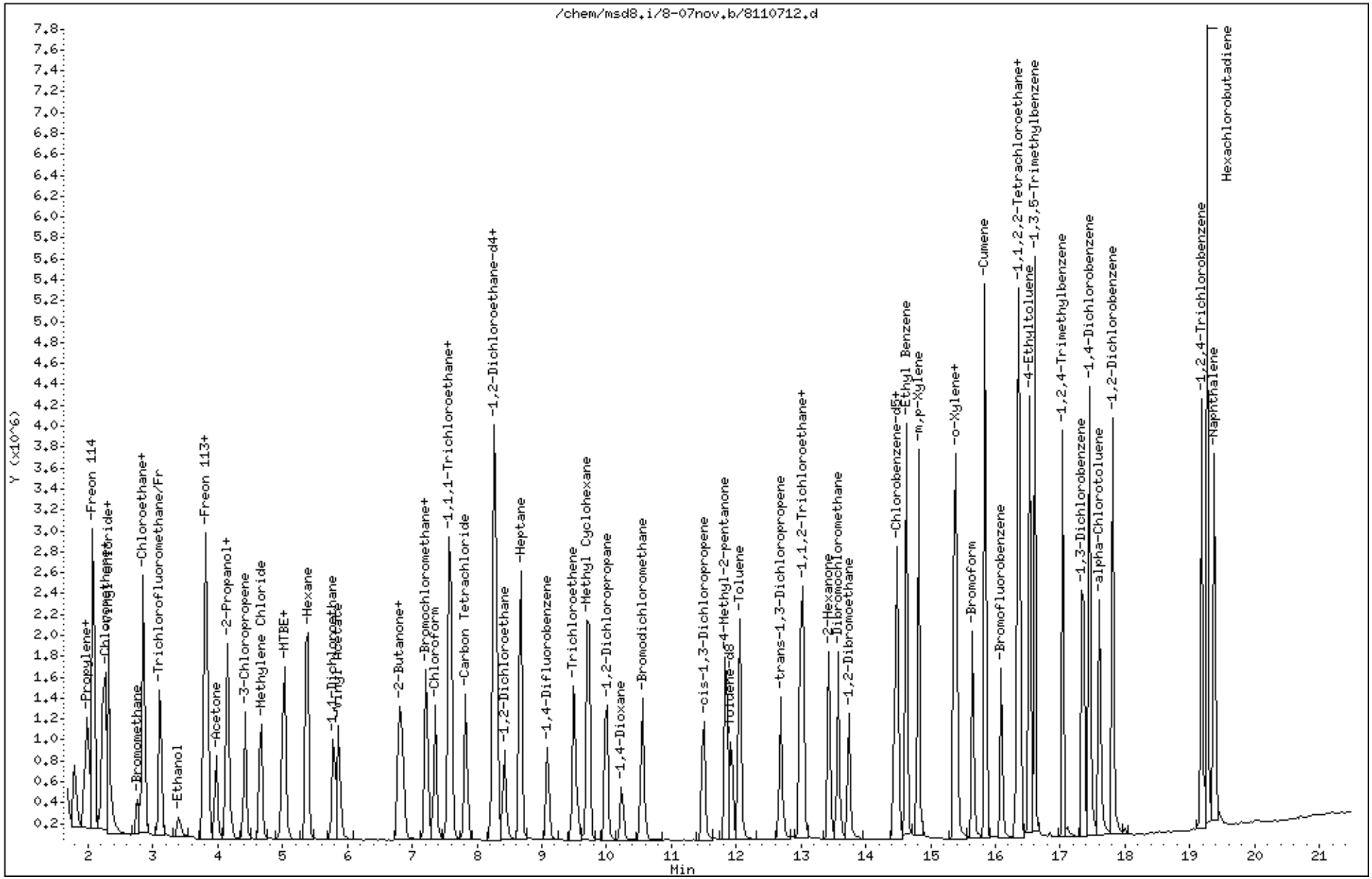
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	25.429	101.72	70-130
$ 104 Toluene-d8	25.000	25.872	103.49	70-130
$ 140 Bromofluorobenzene	25.000	24.499	97.99	70-130

0070

Data File: /chem/msd8.i/8-07nov.b/8110712.d
Date : 07-NOV-2007 17:20
Client ID: LCS-1
Sample Info: 50mL#1443-345

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110703.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 07-NOV-2007 12:54
Operator : ct Inst ID: msd8.i
Smp Info : 0.2mL #1576-93
Misc Info : 0.2ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 12:54 Cal File: 8110703.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	332005	25.0000		70.00- 130.00		100.00
7.214	7.214 (1.000)	128	255929			48.26- 108.26		77.09
7.214	7.214 (1.000)	49	684818			172.76- 232.76		206.27
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1312545	25.0000		70.00- 130.00		100.00
9.095	9.095 (1.000)	88	245925			0.00- 48.59		18.74
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	979427	25.0000		70.00- 130.00		100.00
14.431	14.431 (1.000)	82	642812			0.00- 30.00		65.63
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.293	8.293 (1.149)	65	546098	25.0000	25.000	70.00- 130.00		100.00
8.293	8.293 (1.149)	67	263879			0.00- 30.00		48.32
$ 104 Toluene-d8					CAS #: 2037-26-5			
11.915	11.915 (1.310)	98	1217636	25.0000	25.000	70.00- 130.00		100.00
11.915	11.915 (1.310)	70	131361			0.00- 30.00		10.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	823449			0.00- 30.00	67.63
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.090	16.090 (1.115)	174	564271	25.0000	25.000	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	879887			132.22- 192.22	155.93
16.090	16.090 (1.115)	176	527776			72.38- 132.38	93.53
70 Chloroform						CAS #: 67-66-3	
7.353	7.353 (1.019)	83	10793	0.20000	0.2000	70.00- 130.00	100.00(a)
7.353	7.353 (1.019)	85	10400			34.34- 94.34	96.36
81 Benzene						CAS #: 71-43-2	
8.237	8.237 (0.906)	78	15659	0.20000	0.2000	70.00- 130.00	100.00(a)
8.237	8.237 (0.906)	77	4248			0.00- 30.00	27.13
134 Styrene						CAS #: 100-42-5	
15.399	15.399 (1.067)	104	14036	0.20000	0.2000	70.00- 130.00	100.00(a)
15.399	15.399 (1.067)	78	7949			24.59- 84.59	56.63
137 Cumene						CAS #: 98-82-8	
15.841	15.841 (1.098)	105	27909	0.20000	0.2000	70.00- 130.00	100.00(a)
15.841	15.841 (1.098)	120	7004			0.00- 30.00	25.10
15.841	15.841 (1.098)	51	4991			0.00- 30.00	17.88

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: msd8.i
Lab File ID: 8110703.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 0.2ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	332005	2.62
88 1,4-Difluorobenze	1314228	788537	1839919	1312545	-0.13
125 Chlorobenzene-d5	962005	577203	1346807	979427	1.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

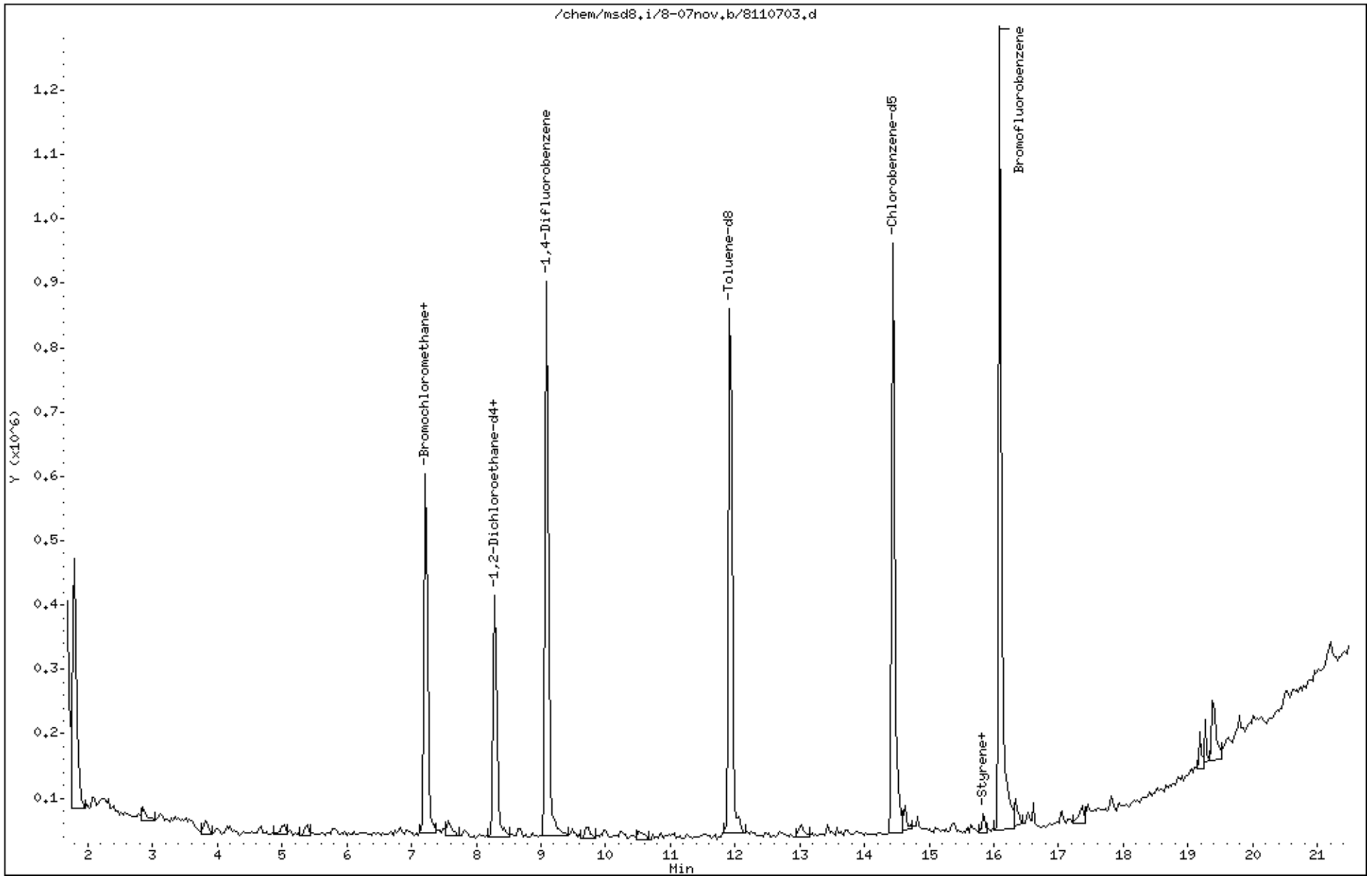
0074

Data File: /chem/msd8.i/8-07nov.b/8110703.d
Date : 07-NOV-2007 12:54
Client ID: Level 1
Sample Info: 0.2mL #1576-93

Column phase: RTx-624

Instrument: msd8.i

Operator: ct
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110711.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 07-NOV-2007 16:52
Operator : ct Inst ID: msd8.i
Smp Info : 0.5mL #1576-93
Misc Info : 0.5ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:44 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.215 (1.000)	130	331897	25.0000		70.00- 130.00	100.00
7.215	7.215 (1.000)	128	246817			48.26- 108.26	74.37
7.215	7.215 (1.000)	49	677914			172.76- 232.76	204.25
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1326365	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	235916			0.00- 48.59	17.79
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	964961	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	659543			0.00- 30.00	68.35
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	557831	25.0000	24.548	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	276266			0.00- 30.00	49.53
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1211104	25.0000	24.757	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	138170			0.00- 30.00	11.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	793100			0.00- 30.00	65.49
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.090	16.090 (1.115)	174	555539	25.0000	24.445	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	838404			132.22- 192.22	150.92
16.090	16.090 (1.115)	176	526873			72.38- 132.38	94.84
4 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
1.989	1.989 (0.276)	85	24432	0.50000	0.5959	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	6322			0.00- 30.00	25.88
6 Freon 114						CAS #: 76-14-2	
2.099	2.099 (0.291)	135	18206	0.50000	0.5453	70.00- 130.00	100.00
2.099	2.099 (0.291)	137	5599			2.23- 62.23	30.75
11 Vinyl Chloride						CAS #: 75-01-4	
2.348	2.348 (0.325)	62	13923	0.50000	0.5927	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	10312			0.00- 30.00	74.06
10 1,3-Butadiene						CAS #: 106-99-0	
2.321	2.321 (0.322)	54	14541	0.50000	0.6462	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	15626			0.00- 30.00	107.46
13 Bromomethane						CAS #: 74-83-9	
2.763	2.763 (0.383)	94	8952	0.50000	0.5704	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	11405			62.69- 122.69	127.40
16 Chloroethane						CAS #: 75-00-3	
2.874	2.874 (0.398)	64	10883	0.50000	0.8002	70.00- 130.00	100.00
2.874	2.874 (0.398)	49	4268			0.00- 30.00	39.22
2.874	2.874 (0.398)	66	4638			0.00- 30.00	42.62
18 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
3.095	3.095 (0.429)	101	25782	0.50000	0.5380	70.00- 130.00	100.00
3.095	3.095 (0.429)	103	19350			33.47- 93.47	75.05
28 Freon 113						CAS #: 76-13-1	
3.814	3.814 (0.529)	151	15889	0.50000	0.5864	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	10523			34.96- 94.96	66.23
3.786	3.786 (0.525)	101	22608			110.67- 170.67	142.29
29 1,1-Dichloroethene						CAS #: 75-35-4	
3.841	3.841 (0.532)	61	19615	0.50000	0.5456	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	12598			23.05- 83.05	64.23
3.841	3.841 (0.532)	98	8797			4.77- 64.77	44.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Carbon Disulfide					CAS #: 75-15-0		
4.146	4.146 (0.575)	76	39572	0.50000	0.6222	70.00- 130.00	100.00
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	20647	0.50000	0.6612	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	12880			29.85- 89.85	62.38
4.671	4.671 (0.647)	51	6826			0.00- 30.00	33.06
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	19327	0.50000	0.6849	70.00- 130.00	100.00
5.003	5.003 (0.693)	57	5320			0.00- 56.82	27.53
5.003	5.003 (0.693)	41	8960			0.00- 30.00	46.36
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	14320	0.50000	0.6307	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	24317			134.87- 194.87	169.81
5.030	5.030 (0.697)	98	9932			0.00- 30.00	69.36
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	28047	0.50000	0.6043	70.00- 130.00	100.00
5.362	5.362 (0.743)	43	23553			0.00- 30.00	83.98
5.362	5.362 (0.743)	86	6270			0.00- 30.00	22.36
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	23846	0.50000	0.5663	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	10338			0.00- 59.35	43.35
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	9973	0.50000	0.6679	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	46901			637.97- 697.97	470.28
6.855	6.855 (0.950)	57	3133			0.00- 30.00	31.41
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	18414	0.50000	0.5760	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	14947			34.04- 94.04	81.17
6.800	6.800 (0.942)	98	8100			10.46- 70.46	43.99
67 Tetrahydrofuran					CAS #: 109-99-9		
7.215	7.215 (1.000)	42	25260	0.50000	0.5971	70.00- 130.00	100.00
7.215	7.215 (1.000)	71	8588			0.00- 58.92	34.00
7.242	7.242 (1.004)	72	9297			0.00- 30.00	36.81
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	24480	0.50000	0.5798	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	14008			34.34- 94.34	57.22

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		
7.602	7.602 (1.054)	97	17783	0.50000	0.4770	70.00- 130.00	100.00(a)
7.602	7.602 (1.054)	99	16084			34.72- 94.72	90.45
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	18511	0.50000	0.5897	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	23552			112.65- 172.65	127.23
7.574	7.574 (1.050)	41	16160			48.57- 108.57	87.30
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	19465	0.50000	0.5700	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	18929			74.74- 134.74	97.25
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	32753	0.50000	0.5116	70.00- 130.00	100.00
8.238	8.238 (0.906)	77	6410			0.00- 30.00	19.57
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	16444	0.50000	0.5452	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	5026			0.00- 30.00	30.56
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	5590	0.50000	0.7634	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	33538			0.00- 30.00	599.96
8.680	8.680 (0.954)	71	13412			0.00- 30.00	239.93
94 Trichloroethene					CAS #: 79-01-6		
9.509	9.509 (1.046)	95	18085	0.50000	0.7159	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	13778			63.99- 123.99	76.18
9.482	9.482 (1.043)	97	11439			33.44- 93.44	63.25
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	17208	0.50000	0.6884	70.00- 130.00	100.00
10.007	10.007 (1.100)	62	10581			38.97- 98.97	61.49
10.007	10.007 (1.100)	41	10871			35.16- 95.16	63.17
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	23600	0.50000	0.5982	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	11303			32.47- 92.47	47.89
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	14624	0.50000	0.4807	70.00- 130.00	100.00(a)
11.500	11.500 (1.264)	77	7135			0.67- 60.67	48.79
11.500	11.500 (1.264)	39	13743			32.44- 92.44	93.98
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.860	11.860 (1.304)	58	16116	0.50000	0.5382	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 4-Methyl-2-pentanone (continued)							
11.832	11.832 (1.301)	43	47563			0.00- 30.00	295.13
11.860	11.860 (1.304)	85	9835			0.00- 30.00	61.03
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	38082	0.50000	0.6120	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	22588			31.17- 91.17	59.31
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	17142	0.50000	0.5259	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	4994			1.15- 61.15	29.13
12.689	12.689 (0.879)	39	13030			31.09- 91.09	76.01
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	11324	0.50000	0.5428	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	8424			30.63- 90.63	74.39
12.993	12.993 (0.900)	83	13977			58.67- 118.67	123.43
112 Tetrachloroethene					CAS #: 127-18-4		
13.049	13.049 (0.904)	166	14539	0.50000	0.6022	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	12588			51.23- 111.23	86.58
13.049	13.049 (0.904)	131	12858			46.89- 106.89	88.44
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	25271	0.50000	0.5889	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	44660			157.50- 217.50	176.72
13.436	13.436 (0.931)	100	4759			0.00- 30.00	18.83
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	16648	0.50000	0.5367	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	14700			0.00- 30.00	88.30
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	23720	0.50000	0.6492	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	20238			65.65- 125.65	85.32
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	28632	0.50000	0.5733	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	10756			1.16- 61.16	37.57
14.486	14.486 (1.004)	77	26685			35.10- 95.10	93.20
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	16271	0.50000	0.5792	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	49270			0.00- 30.00	302.81
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	20526	0.50000	0.5648	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
14.818	14.818 (1.027)	91	42602			0.00- 30.00	207.55
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	18449	0.50000	0.5561	70.00- 130.00	100.00
15.371	15.371 (1.065)	91	44124			186.24- 246.24	239.17
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	28139	0.50000	0.4677	70.00- 130.00	100.00(a)
15.399	15.399 (1.067)	78	20093			24.59- 84.59	71.41
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	12843	0.50000	0.4599	70.00- 130.00	100.00(a)
15.648	15.648 (1.084)	171	7372			22.82- 82.82	57.40
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	30482	0.50000	0.5575	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	18995			34.50- 94.50	62.32
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	50822	0.50000	0.5035	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	16560			0.00- 57.87	32.58
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	69745	0.50000	0.6650	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	21138			0.00- 30.00	30.31
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.182)	105	50763	0.50000	0.5891	70.00- 130.00	100.00
17.058	17.058 (1.182)	120	22796			9.64- 69.64	44.91
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	31439	0.50000	0.6245	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	19373			0.00- 30.00	61.62
17.362	17.362 (1.203)	111	13641			0.00- 30.00	43.39
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	41352	0.50000	0.6455	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	18984			0.00- 30.00	45.91
17.445	17.445 (1.209)	111	21568			0.00- 30.00	52.16
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	41134	0.50000	0.5225	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	7352			0.00- 30.00	17.87
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	33016	0.50000	0.6089	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
17.804	17.804 (1.234)	148	19994			32.41- 92.41	60.56
17.804	17.804 (1.234)	111	17004			20.14- 80.14	51.50
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	59470	0.50000	0.5500	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	15908			0.00- 30.00	26.75
15.841	15.841 (1.098)	51	7571			0.00- 30.00	12.73
145 Propylbenzene					CAS #: 103-65-1		
16.367	16.367 (1.134)	91	62293	0.50000	0.5269	70.00- 130.00	100.00
16.367	16.367 (1.134)	120	19096			0.00- 30.00	30.66
16.367	16.367 (1.134)	105	2904			0.00- 30.00	4.66
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	79125	0.50000	0.5877	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	25746			0.00- 30.00	32.54
8.265	8.265 (1.146)	41	19022			0.00- 30.00	24.04
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.731 (1.349)	83	21360	0.50000	0.5559	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	12027			0.00- 30.00	56.31
9.703	9.703 (1.345)	55	26316			0.00- 30.00	123.20

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: msd8.i
Lab File ID: 8110711.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 0.5ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	331897	2.58
88 1,4-Difluorobenze	1314228	788537	1839919	1326365	0.92
125 Chlorobenzene-d5	962005	577203	1346807	964961	0.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

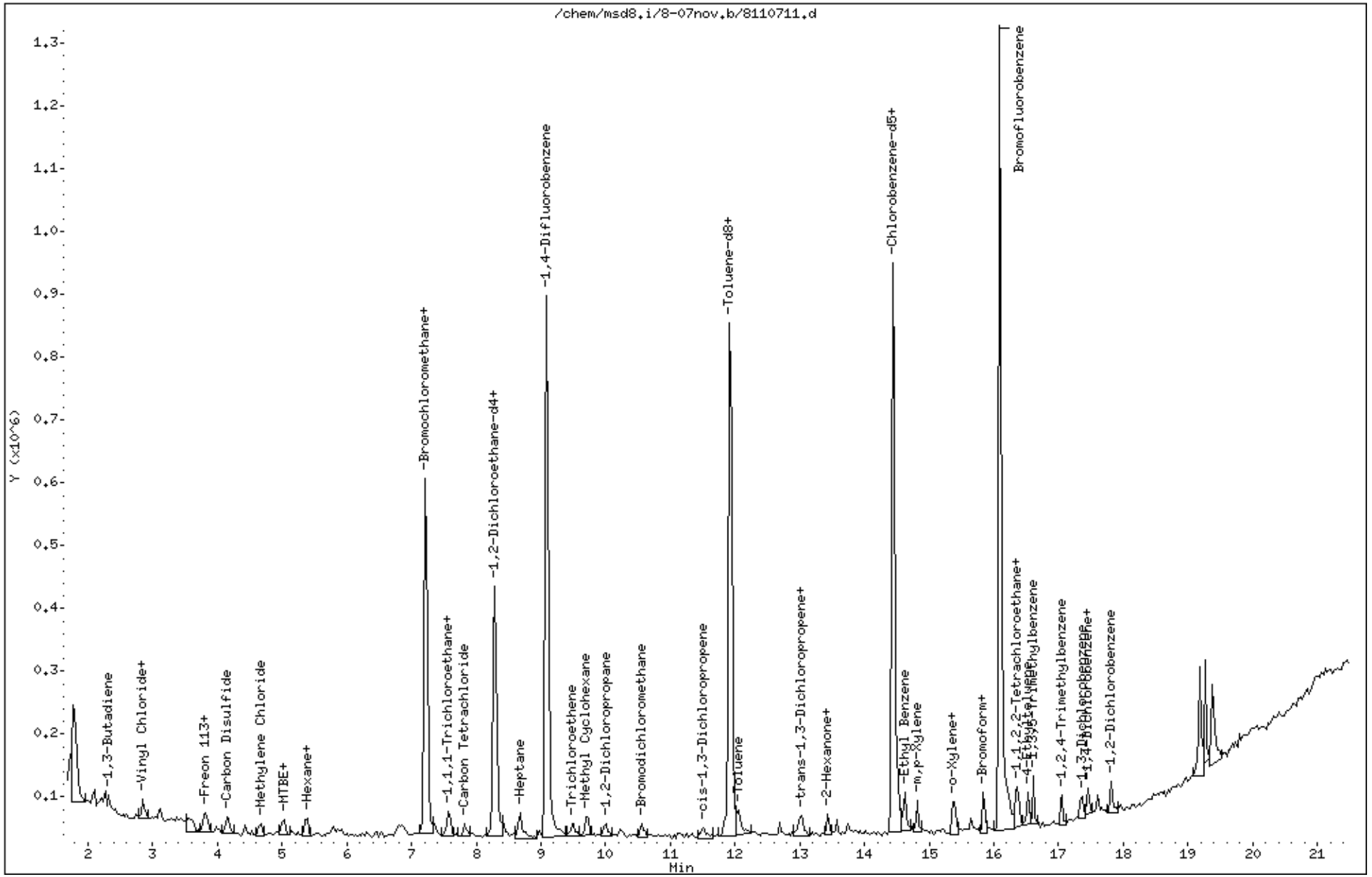
0083

Data File: /chem/msd8.i/8-07nov.b/8110711.d
Date : 07-NOV-2007 16:52
Client ID: Level 2
Sample Info: 0.5mL #1576-93

Instrument: msd8.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110705.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 07-NOV-2007 13:49
Operator : ct Inst ID: msd8.i
Smp Info : 2mL #1576-93
Misc Info : 2.0ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 13:49 Cal File: 8110705.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	323734	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	238274			48.26- 108.26	73.60
7.214	7.214 (1.000)	49	684861			172.76- 232.76	211.55
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1311855	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	249717			0.00- 48.59	19.04
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	972458	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	638131			0.00- 30.00	65.62
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	532653	25.0000	25.004	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	268122			0.00- 30.00	50.34
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1205019	25.0000	24.876	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	134803			0.00- 30.00	11.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	829722			0.00- 30.00	68.86
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	569002	25.0000	25.194	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	875439			132.22- 192.22	153.86
16.090	16.090 (1.115)	176	545400			72.38- 132.38	95.85
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.272)	41	47679	2.00000	2.000	70.00- 130.00	100.00
1.961	1.961 (0.272)	42	36609			0.00- 30.00	76.78
1.961	1.961 (0.272)	39	33266			0.00- 30.00	69.77
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	89871	2.00000	2.000	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	30815			0.00- 30.00	34.29
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.291)	135	77126	2.00000	2.000	70.00- 130.00	100.00
2.099	2.099 (0.291)	137	24047			2.23- 62.23	31.18
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	60676	2.00000	2.000	70.00- 130.00	100.00
2.210	2.210 (0.306)	52	22720			0.00- 30.00	37.44
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	14413	2.00000	2.000	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	116342			0.00- 30.00	807.20
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	51299	2.00000	2.000	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	18093			0.00- 30.00	35.27
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.322)	54	50345	2.00000	2.000	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	48041			0.00- 30.00	95.42
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	35217	2.00000	2.000	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	32690			62.69- 122.69	92.82
16 Chloroethane					CAS #: 75-00-3		
2.874	2.874 (0.398)	64	29249	2.00000	2.000	70.00- 130.00	100.00
2.874	2.874 (0.398)	49	9613			0.00- 30.00	32.87
2.846	2.846 (0.394)	66	11113			0.00- 30.00	37.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	90729	2.00000	2.000	70.00- 130.00	100.00
2.846	2.846 (0.394)	57	48135			0.00- 30.00	53.05
2.874	2.874 (0.398)	72	6821			0.00- 30.00	7.52
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	110379	2.00000	2.000	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	76295			33.47- 93.47	69.12
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	30338	2.00000	2.000	70.00- 130.00	100.00
3.371	3.371 (0.467)	43	7384			0.00- 30.00	24.34
3.399	3.399 (0.471)	46	10924			0.00- 30.00	36.01
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	61615	2.00000	2.000	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	40325			34.96- 94.96	65.45
3.786	3.786 (0.525)	101	87153			110.67- 170.67	141.45
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	90209	2.00000	2.000	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	54083			23.05- 83.05	59.95
3.841	3.841 (0.532)	98	28959			4.77- 64.77	32.10
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	39375	2.00000	2.000	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	125791			0.00- 30.00	319.47
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	145036	2.00000	2.000	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	170346	2.00000	2.000	70.00- 130.00	100.00
4.173	4.173 (0.578)	43	38422			0.00- 30.00	22.56
4.173	4.173 (0.578)	59	6826			0.00- 30.00	4.01
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	24214	2.00000	2.000	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	68626			0.00- 30.00	283.41
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	69254	2.00000	2.000	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	41022			29.85- 89.85	59.23
4.671	4.671 (0.647)	51	20091			0.00- 30.00	29.01
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	66401	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
43 MTBE (continued)							
5.003	5.003 (0.693)	57	19264			0.00- 56.82	29.01
5.003	5.003 (0.693)	41	16221			0.00- 30.00	24.43
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	52054	2.00000	2.000	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	84323			134.87- 194.87	161.99
5.030	5.030 (0.697)	98	33662			0.00- 30.00	64.67
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	105046	2.00000	2.000	70.00- 130.00	100.00
5.390	5.390 (0.747)	43	73022			0.00- 30.00	69.51
5.390	5.390 (0.747)	86	17678			0.00- 30.00	16.83
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.804	5.804 (0.805)	63	93988	2.00000	2.000	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	31487			0.00- 59.35	33.50
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	10174	2.00000	2.000	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	132612			0.00- 30.00	1303.44
5.887	5.887 (0.816)	42	11418			0.00- 30.00	112.23
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	74281	2.00000	2.000	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	47120			34.04- 94.04	63.43
6.800	6.800 (0.942)	98	31250			10.46- 70.46	42.07
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	32637	2.00000	2.000	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	218883			637.97- 697.97	670.66
6.855	6.855 (0.950)	57	12555			0.00- 30.00	38.47
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	103555	2.00000	2.000	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	27924			0.00- 58.92	26.97
7.214	7.214 (1.000)	72	34916			0.00- 30.00	33.72
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	92084	2.00000	1.867	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	59097			34.34- 94.34	64.18
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	76352	2.00000	2.000	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	109560			112.65- 172.65	143.49
7.574	7.574 (1.050)	41	59073			48.57- 108.57	77.37

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		
7.602	7.602 (1.054)	97	86518	2.00000	2.000	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	54174			34.72- 94.72	62.62
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	75063	2.00000	2.000	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	79195			74.74- 134.74	105.50
81 Benzene					CAS #: 71-43-2		
8.265	8.265 (0.909)	78	150316	2.00000	1.960	70.00- 130.00	100.00
8.237	8.237 (0.906)	77	34822			0.00- 30.00	23.17
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	304222	2.00000	2.000	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	88784			0.00- 30.00	29.18
8.293	8.293 (1.149)	41	78470			0.00- 30.00	25.79
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	70276	2.00000	2.000	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	25430			0.00- 30.00	36.19
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	16425	2.00000	2.000	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	113092			0.00- 30.00	688.54
8.680	8.680 (0.954)	71	48321			0.00- 30.00	294.19
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	55603	2.00000	2.000	70.00- 130.00	100.00
9.509	9.509 (1.046)	130	53117			63.99- 123.99	95.53
9.509	9.509 (1.046)	97	38079			33.44- 93.44	68.48
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.731 (1.349)	83	87542	2.00000	2.000	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	42395			0.00- 30.00	48.43
9.731	9.731 (1.349)	55	86381			0.00- 30.00	98.67
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	57744	2.00000	2.000	70.00- 130.00	100.00
10.007	10.007 (1.100)	62	38445			38.97- 98.97	66.58
10.007	10.007 (1.100)	41	38497			35.16- 95.16	66.67
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	42871	2.00000	2.000	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	36627			52.48- 112.48	85.44
10.256	10.256 (1.128)	57	9554			0.00- 30.00	22.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	89213	2.00000	2.000	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	60074			32.47- 92.47	67.34
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	72891	2.00000	2.000	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	21575			0.67- 60.67	29.60
11.500	11.500 (1.264)	39	49858			32.44- 92.44	68.40
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	77878	2.00000	2.000	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	187752			0.00- 30.00	241.08
11.860	11.860 (1.304)	85	27798			0.00- 30.00	35.69
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	136417	2.00000	2.000	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	93052			31.17- 91.17	68.21
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	74396	2.00000	2.000	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	25137			1.15- 61.15	33.79
12.689	12.689 (0.879)	39	46432			31.09- 91.09	62.41
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	52551	2.00000	2.000	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	31164			30.63- 90.63	59.30
12.993	12.993 (0.900)	83	49118			58.67- 118.67	93.47
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	57288	2.00000	2.000	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	47683			51.23- 111.23	83.23
13.049	13.049 (0.904)	131	44484			46.89- 106.89	77.65
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	99206	2.00000	2.000	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	184112			157.50- 217.50	185.59
13.436	13.436 (0.931)	100	17555			0.00- 30.00	17.70
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	70021	2.00000	2.000	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	57477			0.00- 30.00	82.09
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	80324	2.00000	2.000	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	79167			65.65- 125.65	98.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	120212	2.00000	2.000	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	31219			1.16- 61.16	25.97
14.486	14.486 (1.004)	77	83595			35.10- 95.10	69.54
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	64097	2.00000	2.000	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	212716			0.00- 30.00	331.87
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	88635	2.00000	2.000	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	183275			0.00- 30.00	206.77
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	77727	2.00000	2.000	70.00- 130.00	100.00
15.371	15.371 (1.065)	91	163965			186.24- 246.24	210.95
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	125315	2.00000	1.894	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	68943			24.59- 84.59	55.02
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	59163	2.00000	2.000	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	30122			22.82- 82.82	50.91
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	238982	2.00000	1.852	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	57821			0.00- 30.00	24.19
15.841	15.841 (1.098)	51	30812			0.00- 30.00	12.89
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	127536	2.00000	2.000	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	78900			34.50- 94.50	61.86
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	274543	2.00000	2.000	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	54494			0.00- 30.00	19.85
16.366	16.366 (1.134)	105	9571			0.00- 30.00	3.49
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	225388	2.00000	2.000	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	63524			0.00- 57.87	28.18
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	241608	2.00000	2.000	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	119187			0.00- 30.00	49.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	196027	2.00000	2.000	70.00- 130.00	100.00
17.058	17.058 (1.182)	120	88852			9.64- 69.64	45.33
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	114160	2.00000	2.000	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	68823			0.00- 30.00	60.29
17.362	17.362 (1.203)	111	50166			0.00- 30.00	43.94
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	162252	2.00000	2.000	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	100099			0.00- 30.00	61.69
17.445	17.445 (1.209)	111	71239			0.00- 30.00	43.91
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	173936	2.00000	2.000	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	23206			0.00- 30.00	13.34
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	145160	2.00000	2.000	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	89394			32.41- 92.41	61.58
17.804	17.804 (1.234)	111	66242			20.14- 80.14	45.63
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	218044	2.00000	2.000	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	217139			63.89- 123.89	99.58
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	108276	2.00000	2.000	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	72841			34.22- 94.22	67.27
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	346309	2.00000	2.000	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	38524			0.00- 30.00	11.12

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110705.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 2.0ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	323734	0.06
88 1,4-Difluorobenze	1314228	788537	1839919	1311855	-0.18
125 Chlorobenzene-d5	962005	577203	1346807	972458	1.09

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

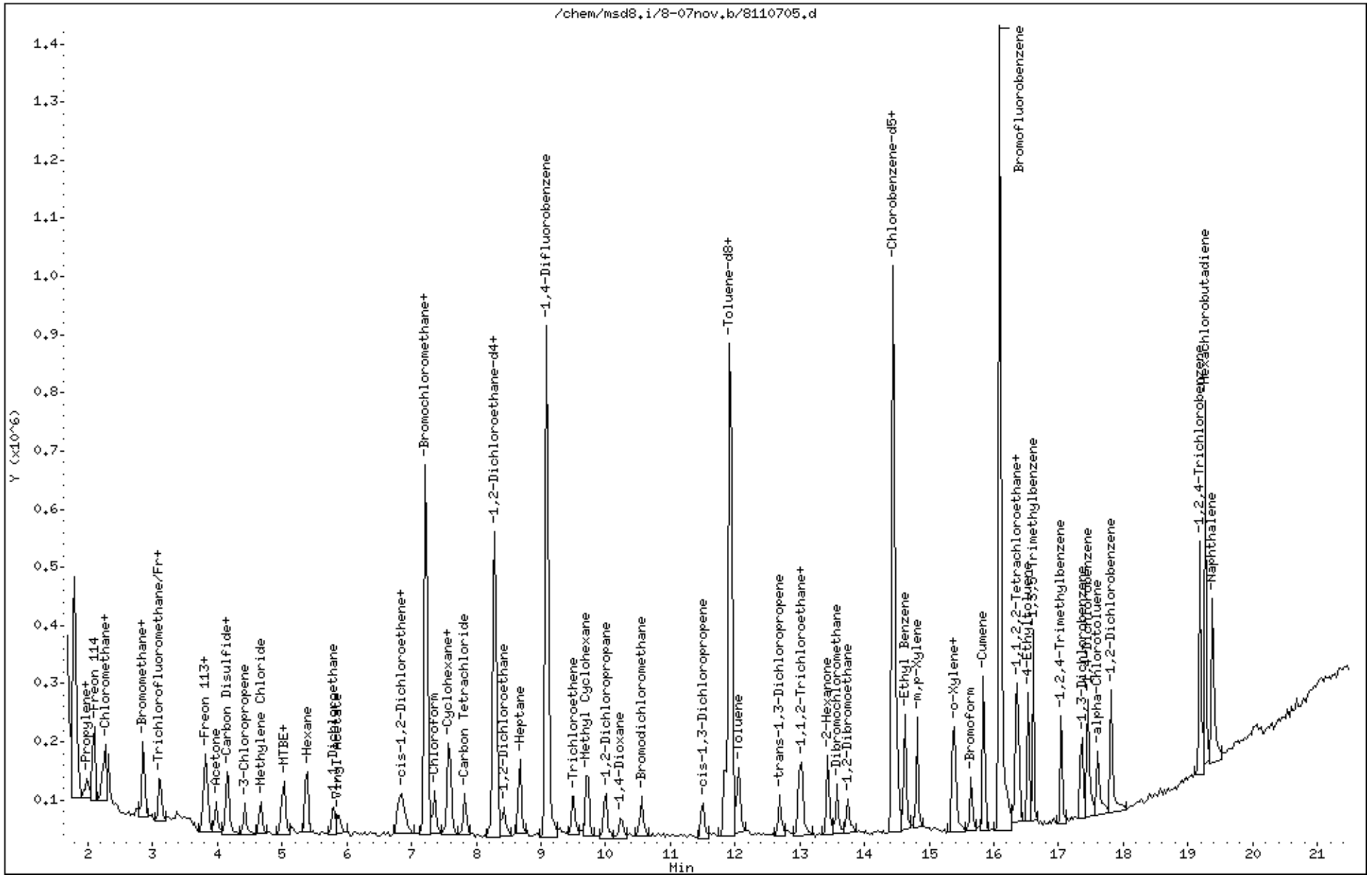
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0093

Data File: /chem/msd8.i/8-07nov.b/8110705.d
Date : 07-NOV-2007 13:49
Client ID: Level 3
Sample Info: 2mL #1576-93

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110706.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 07-NOV-2007 14:16
Operator : ct Inst ID: msd8.i
Smp Info : 25mL #1576-93
Misc Info : 25ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 14:16 Cal File: 8110706.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	320884	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	245173			48.26- 108.26	76.41
7.214	7.214 (1.000)	49	666402			172.76- 232.76	207.68
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1303512	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	252806			0.00- 48.59	19.39
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	953292	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	636903			0.00- 30.00	66.81
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	534241	25.0000	25.200	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	286627			0.00- 30.00	53.65
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1192145	25.0000	24.845	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	143584			0.00- 30.00	12.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	916826			0.00- 30.00	76.91
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	573730	25.0000	25.602	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	893338			132.22- 192.22	155.71
16.090	16.090 (1.115)	176	549095			72.38- 132.38	95.71
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	451024	25.0000	21.647	70.00- 130.00	100.00
1.961	1.961 (0.272)	42	308789			0.00- 30.00	68.46
1.933	1.933 (0.268)	39	300375			0.00- 30.00	66.60
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	1023093	25.0000	23.942	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	324356			0.00- 30.00	31.70
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	810557	25.0000	22.947	70.00- 130.00	100.00
2.072	2.072 (0.287)	137	247395			2.23- 62.23	30.52
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	576238	25.0000	21.696	70.00- 130.00	100.00
2.210	2.210 (0.306)	52	166834			0.00- 30.00	28.95
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	114366	25.0000	19.520	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	964477			0.00- 30.00	843.32
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	555957	25.0000	23.329	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	165350			0.00- 30.00	29.74
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	514674	25.0000	22.604	70.00- 130.00	100.00
2.320	2.320 (0.322)	39	539549			0.00- 30.00	104.83
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	351260	25.0000	22.299	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	353686			62.69- 122.69	100.69
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	300469	25.0000	22.664	70.00- 130.00	100.00
2.846	2.846 (0.394)	49	90953			0.00- 30.00	30.27
2.846	2.846 (0.394)	66	86283			0.00- 30.00	28.72

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	849529	25.0000	21.522	70.00- 130.00	100.00
2.846	2.846 (0.394)	57	541540			0.00- 30.00	63.75
2.846	2.846 (0.394)	72	51538			0.00- 30.00	6.07
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	1135949	25.0000	22.687	70.00- 130.00	100.00
3.095	3.095 (0.429)	103	736997			33.47- 93.47	64.88
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	355624	25.0000	24.308	70.00- 130.00	100.00
3.371	3.371 (0.467)	43	66797			0.00- 30.00	18.78
3.371	3.371 (0.467)	46	139140			0.00- 30.00	39.13
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	638829	25.0000	22.779	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	399170			34.96- 94.96	62.48
3.786	3.786 (0.525)	101	884580			110.67- 170.67	138.47
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	829444	25.0000	21.299	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	436408			23.05- 83.05	52.61
3.841	3.841 (0.532)	98	277745			4.77- 64.77	33.49
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	390672	25.0000	22.234	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	1245147			0.00- 30.00	318.72
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	1428336	25.0000	22.142	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	1724648	25.0000	22.484	70.00- 130.00	100.00
4.145	4.145 (0.575)	43	329096			0.00- 30.00	19.08
4.145	4.145 (0.575)	59	63673			0.00- 30.00	3.69
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	231627	25.0000	21.784	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	870407			0.00- 30.00	375.78
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	701100	25.0000	22.483	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	415252			29.85- 89.85	59.23
4.671	4.671 (0.647)	51	225297			0.00- 30.00	32.13
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	691837	25.0000	22.840	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.002	5.002 (0.693)	57	200924			0.00- 56.82	29.04
5.002	5.002 (0.693)	41	191646			0.00- 30.00	27.70
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	515839	25.0000	22.219	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	869938			134.87- 194.87	168.65
5.030	5.030 (0.697)	98	318562			0.00- 30.00	61.76
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	1079403	25.0000	22.668	70.00- 130.00	100.00
5.362	5.362 (0.743)	43	729150			0.00- 30.00	67.55
5.390	5.390 (0.747)	86	153701			0.00- 30.00	14.24
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	987140	25.0000	22.939	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	302791			0.00- 59.35	30.67
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	124753	25.0000	24.870	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	1644820			0.00- 30.00	1318.46
5.860	5.860 (0.812)	42	125836			0.00- 30.00	100.87
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	732076	25.0000	22.152	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	483155			34.04- 94.04	66.00
6.800	6.800 (0.942)	98	296596			10.46- 70.46	40.51
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	330849	25.0000	22.500	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	2237292			637.97- 697.97	676.23
6.855	6.855 (0.950)	57	124332			0.00- 30.00	37.58
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	944889	25.0000	21.206	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	270613			0.00- 58.92	28.64
7.214	7.214 (1.000)	72	299265			0.00- 30.00	31.67
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	918050	25.0000	20.474	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	587676			34.34- 94.34	64.01
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	711891	25.0000	21.470	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	1042440			112.65- 172.65	146.43
7.574	7.574 (1.050)	41	565639			48.57- 108.57	79.46

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		
7.602	7.602 (1.054)	97	915059	25.0000	23.026	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	587383			34.72- 94.72	64.19
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	792343	25.0000	23.002	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	830921			74.74- 134.74	104.87
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	1450748	25.0000	20.679	70.00- 130.00	100.00
8.237	8.237 (0.906)	77	342517			0.00- 30.00	23.61
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	3103150	25.0000	22.577	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	949673			0.00- 30.00	30.60
8.293	8.293 (1.149)	41	797922			0.00- 30.00	25.71
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	728643	25.0000	22.749	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	223152			0.00- 30.00	30.63
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	155228	25.0000	21.605	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	1126049			0.00- 30.00	725.42
8.680	8.680 (0.954)	71	526863			0.00- 30.00	339.41
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	555417	25.0000	22.287	70.00- 130.00	100.00
9.509	9.509 (1.046)	130	524791			63.99- 123.99	94.49
9.482	9.482 (1.043)	97	349278			33.44- 93.44	62.89
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.731 (1.349)	83	910426	25.0000	22.817	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	396859			0.00- 30.00	43.59
9.703	9.703 (1.345)	55	912194			0.00- 30.00	100.19
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	558064	25.0000	21.880	70.00- 130.00	100.00
10.007	10.007 (1.100)	62	382626			38.97- 98.97	68.56
10.007	10.007 (1.100)	41	357341			35.16- 95.16	64.03
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	422334	25.0000	22.116	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	359103			52.48- 112.48	85.03
10.228	10.228 (1.125)	57	123398			0.00- 30.00	29.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	899901	25.0000	22.408	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	575616			32.47- 92.47	63.96
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	752124	25.0000	22.689	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	234538			0.67- 60.67	31.18
11.500	11.500 (1.264)	39	486631			32.44- 92.44	64.70
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	698294	25.0000	20.962	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	1849094			0.00- 30.00	264.80
11.832	11.832 (1.301)	85	265405			0.00- 30.00	38.01
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	1466424	25.0000	23.197	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	853092			31.17- 91.17	58.17
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	789985	25.0000	23.213	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	245701			1.15- 61.15	31.10
12.689	12.689 (0.879)	39	469371			31.09- 91.09	59.42
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	499280	25.0000	21.836	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	301657			30.63- 90.63	60.42
12.993	12.993 (0.900)	83	436757			58.67- 118.67	87.48
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	561092	25.0000	22.211	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	471308			51.23- 111.23	84.00
13.021	13.021 (0.902)	131	436594			46.89- 106.89	77.81
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	1061466	25.0000	23.307	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	2060509			157.50- 217.50	194.12
13.436	13.436 (0.931)	100	179882			0.00- 30.00	16.95
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	745514	25.0000	23.246	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	584286			0.00- 30.00	78.37
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	854813	25.0000	23.240	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	802963			65.65- 125.65	93.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	1197263	25.0000	22.418	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	373090			1.16- 61.16	31.16
14.486	14.486 (1.004)	77	793348			35.10- 95.10	66.26
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	656998	25.0000	22.774	70.00- 130.00	100.00
14.624	14.624 (1.013)	91	2118579			0.00- 30.00	322.46
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	842920	25.0000	21.848	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	1697856			0.00- 30.00	201.43
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	798421	25.0000	22.801	70.00- 130.00	100.00
15.371	15.371 (1.065)	91	1682348			186.24- 246.24	210.71
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	1483615	25.0000	23.540	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	800533			24.59- 84.59	53.96
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	716090	25.0000	24.846	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	372530			22.82- 82.82	52.02
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	2439979	25.0000	20.881	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	587282			0.00- 30.00	24.07
15.841	15.841 (1.098)	51	310737			0.00- 30.00	12.74
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	1312483	25.0000	22.824	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	824951			34.50- 94.50	62.85
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	2948143	25.0000	23.352	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	609641			0.00- 30.00	20.68
16.366	16.366 (1.134)	105	110982			0.00- 30.00	3.76
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	2468326	25.0000	23.597	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	693967			0.00- 57.87	28.11
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	2452095	25.0000	22.651	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	1044041			0.00- 30.00	42.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	2014679	25.0000	22.807	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	809952			9.64- 69.64	40.20
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	1165588	25.0000	22.726	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	732528			0.00- 30.00	62.85
17.362	17.362 (1.203)	111	508133			0.00- 30.00	43.59
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	1490201	25.0000	21.421	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	921871			0.00- 30.00	61.86
17.445	17.445 (1.209)	111	639151			0.00- 30.00	42.89
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	1868934	25.0000	23.360	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	370426			0.00- 30.00	19.82
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	1234135	25.0000	20.481	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	771298			32.41- 92.41	62.50
17.804	17.804 (1.234)	111	620743			20.14- 80.14	50.30
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	1482256	25.0000	17.841	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	1413534			63.89- 123.89	95.36
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	935503	25.0000	20.676	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	594850			34.22- 94.22	63.59
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	2386650	25.0000	17.998	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	284498			0.00- 30.00	11.92

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110706.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 25ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	320884	-0.82
88 1,4-Difluorobenze	1314228	788537	1839919	1303512	-0.82
125 Chlorobenzene-d5	962005	577203	1346807	953292	-0.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

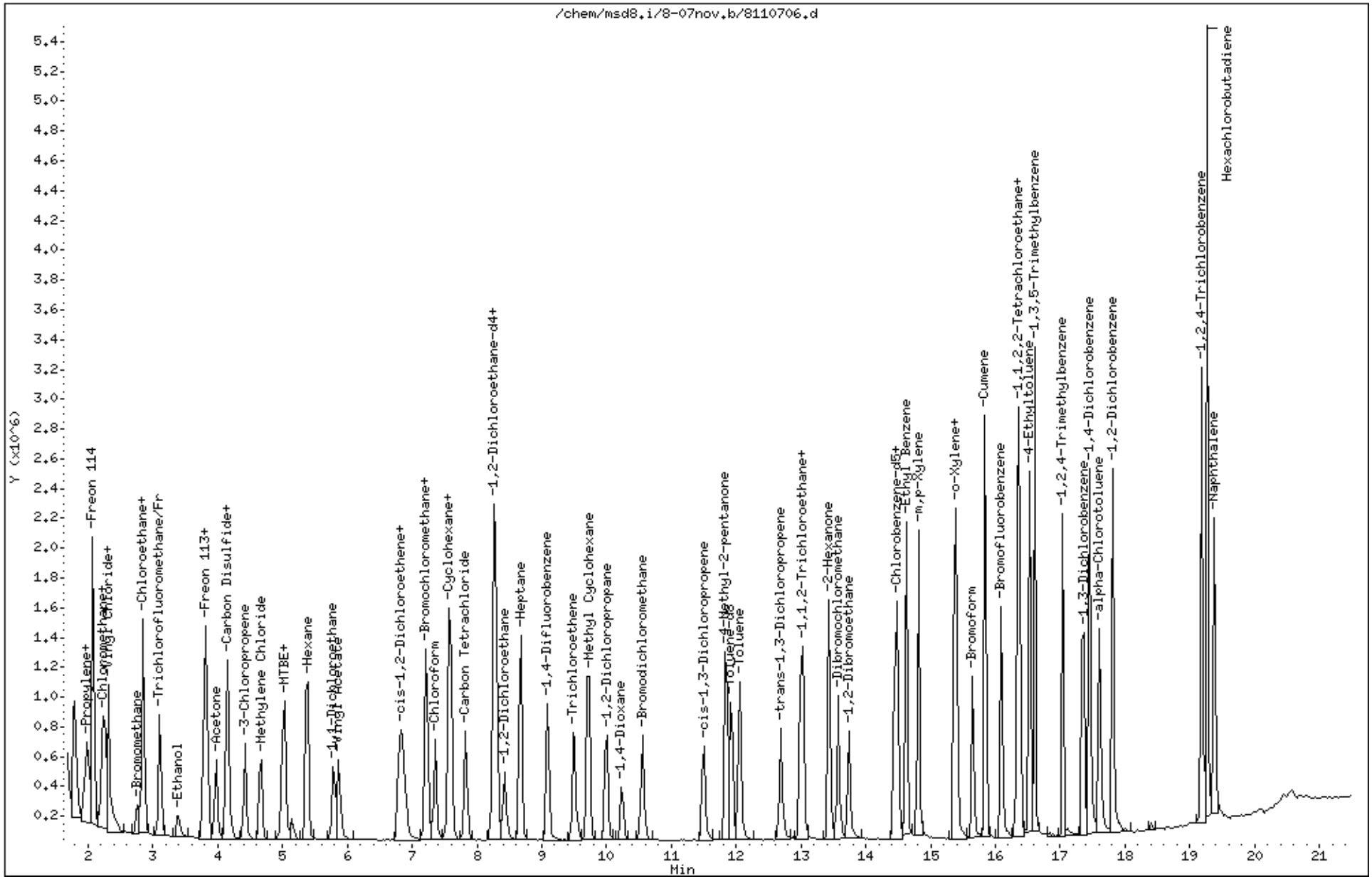
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0103

Data File: /chem/msd8.i/8-07nov.b/8110706.d
Date : 07-NOV-2007 14:16
Client ID: Level 4
Sample Info: 25mL #1576-93

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110707.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 07-NOV-2007 14:44
Operator : ct Inst ID: msd8.i
Smp Info : 50mL #1576-93
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 14:44 Cal File: 8110707.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	323542	25.0000		80.00- 120.00		100.00
7.214	7.214 (1.000)	128	253192			48.26- 108.26		78.26
7.214	7.214 (1.000)	49	656008			172.76- 232.76		202.76
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1314228	25.0000		80.00- 120.00		100.00
9.095	9.095 (1.000)	88	244282			0.00- 48.59		18.59
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	962005	25.0000		80.00- 120.00		100.00
14.431	14.431 (1.000)	82	628530			35.34- 95.34		65.34
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.293	8.293 (1.149)	65	541590	25.0000	25.252	80.00- 120.00		100.00
8.293	8.293 (1.149)	67	305534			26.41- 86.41		56.41
$ 104 Toluene-d8					CAS #: 2037-26-5			
11.915	11.915 (1.310)	98	1200795	25.0000	24.866	80.00- 120.00		100.00
11.915	11.915 (1.310)	70	137217			0.00- 41.43		11.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	863091			41.88- 101.88	71.88
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	554273	25.0000	24.630	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	899118			132.22- 192.22	162.22
16.090	16.090 (1.115)	176	567449			72.38- 132.38	102.38
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	865698	50.0000	43.774	80.00- 120.00	100.00
1.961	1.961 (0.272)	42	594100			38.63- 98.63	68.63
1.961	1.961 (0.272)	39	586115			37.70- 97.70	67.70
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	1835126	50.0000	44.805	80.00- 120.00	100.00
1.989	1.989 (0.276)	87	592072			2.26- 62.26	32.26
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	1505323	50.0000	44.564	80.00- 120.00	100.00
2.072	2.072 (0.287)	137	485106			2.23- 62.23	32.23
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	1115604	50.0000	44.111	80.00- 120.00	100.00
2.210	2.210 (0.306)	52	331381			0.00- 59.70	29.70
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	237168	50.0000	42.970	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1817245			736.23- 796.23	766.23
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	1062461	50.0000	45.990	80.00- 120.00	100.00
2.348	2.348 (0.325)	64	316162			0.00- 59.76	29.76
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	966356	50.0000	44.435	80.00- 120.00	100.00
2.320	2.320 (0.322)	39	1058715			79.56- 139.56	109.56
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	723173	50.0000	46.930	80.00- 120.00	100.00
2.763	2.763 (0.383)	96	670340			62.69- 122.69	92.69
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	549444	50.0000	43.696	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	163003			0.00- 59.67	29.67
2.846	2.846 (0.394)	66	177270			2.26- 62.26	32.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	1617747	50.0000	43.350	80.00- 120.00	100.00
2.846	2.846 (0.394)	57	1035126			33.99- 93.99	63.99
2.846	2.846 (0.394)	72	103448			0.00- 36.39	6.39
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	2175140	50.0000	45.167	80.00- 120.00	100.00
3.095	3.095 (0.429)	103	1380562			33.47- 93.47	63.47
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	639551	50.0000	45.365	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	123147			0.00- 49.26	19.26
3.399	3.399 (0.471)	46	257468			10.26- 70.26	40.26
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	1183071	50.0000	44.246	80.00- 120.00	100.00
3.814	3.814 (0.529)	153	768547			34.96- 94.96	64.96
3.814	3.814 (0.529)	101	1664209			110.67- 170.67	140.67
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1571026	50.0000	42.865	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	833448			23.05- 83.05	53.05
3.841	3.841 (0.532)	98	546265			4.77- 64.77	34.77
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	732300	50.0000	43.869	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	2325737			287.59- 347.59	317.59
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	2771493	50.0000	44.819	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	3274266	50.0000	44.616	80.00- 120.00	100.00
4.173	4.173 (0.578)	43	639323			0.00- 49.53	19.53
4.173	4.173 (0.578)	59	118480			0.00- 33.62	3.62
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	445688	50.0000	44.047	80.00- 120.00	100.00
4.422	4.422 (0.613)	41	1644888			339.07- 399.07	369.07
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1343654	50.0000	44.910	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	804240			29.85- 89.85	59.85
4.671	4.671 (0.647)	51	384785			0.00- 58.64	28.64
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	1075775	50.0000	39.072	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.002	5.002 (0.693)	57	288470			0.00- 56.82	26.82
5.002	5.002 (0.693)	41	310068			0.00- 58.82	28.82
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	985898	50.0000	44.454	80.00- 120.00	100.00
5.030	5.030 (0.697)	61	1625425			134.87- 194.87	164.87
5.030	5.030 (0.697)	98	622458			33.14- 93.14	63.14
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	2024904	50.0000	44.496	80.00- 120.00	100.00
5.390	5.390 (0.747)	43	1359127			37.12- 97.12	67.12
5.390	5.390 (0.747)	86	280182			0.00- 43.84	13.84
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	1927676	50.0000	46.142	80.00- 120.00	100.00
5.777	5.777 (0.801)	65	565742			0.00- 59.35	29.35
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	241638	50.0000	48.495	80.00- 120.00	100.00
5.860	5.860 (0.812)	43	3235574			1309.02-1369.02	1339.02
5.860	5.860 (0.812)	42	235498			67.46- 127.46	97.46
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1419418	50.0000	44.808	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	909000			34.04- 94.04	64.04
6.800	6.800 (0.942)	98	574292			10.46- 70.46	40.46
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	643980	50.0000	45.423	80.00- 120.00	100.00
6.855	6.855 (0.950)	43	4301596			637.97- 697.97	667.97
6.855	6.855 (0.950)	57	249054			8.67- 68.67	38.67
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1844614	50.0000	43.660	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	533384			0.00- 58.92	28.92
7.214	7.214 (1.000)	72	578040			1.34- 61.34	31.34
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1771843	50.0000	41.430	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	1140031			34.34- 94.34	64.34
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1365980	50.0000	43.510	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1948610			112.65- 172.65	142.65
7.574	7.574 (1.050)	41	1073285			48.57- 108.57	78.57

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		
7.601	7.601 (1.054)	97	1742047	50.0000	45.453	80.00- 120.00	100.00
7.601	7.601 (1.054)	99	1127454			34.72- 94.72	64.72
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1559488	50.0000	46.480	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1633453			74.74- 134.74	104.74
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	2833751	50.0000	42.158	80.00- 120.00	100.00
8.237	8.237 (0.906)	77	642144			0.00- 52.66	22.66
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	5934498	50.0000	44.974	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1846773			1.12- 61.12	31.12
8.293	8.293 (1.149)	41	1514952			0.00- 55.53	25.53
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1406671	50.0000	45.513	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	417817			0.00- 59.70	29.70
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	302671	50.0000	44.205	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2198138			696.25- 756.25	726.25
8.680	8.680 (0.954)	71	996763			299.32- 359.32	329.32
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	1089754	50.0000	45.377	80.00- 120.00	100.00
9.509	9.509 (1.046)	130	1024285			63.99- 123.99	93.99
9.482	9.482 (1.043)	97	691303			33.44- 93.44	63.44
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.730	9.730 (1.349)	83	1724808	50.0000	45.011	80.00- 120.00	100.00
9.730	9.730 (1.349)	98	776703			15.03- 75.03	45.03
9.730	9.730 (1.349)	55	1736420			70.67- 130.67	100.67
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	1069519	50.0000	44.061	80.00- 120.00	100.00
10.007	10.007 (1.100)	62	737607			38.97- 98.97	68.97
10.007	10.007 (1.100)	41	696887			35.16- 95.16	65.16
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	846873	50.0000	45.823	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	698526			52.48- 112.48	82.48
10.228	10.228 (1.125)	57	215553			0.00- 55.45	25.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1793230	50.0000	46.042	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	1120296			32.47- 92.47	62.47
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	1443188	50.0000	45.237	80.00- 120.00	100.00
11.500	11.500 (1.264)	77	442561			0.67- 60.67	30.67
11.500	11.500 (1.264)	39	901133			32.44- 92.44	62.44
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	1326818	50.0000	42.478	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	3601849			241.47- 301.47	271.47
11.832	11.832 (1.301)	85	503456			7.94- 67.94	37.94
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2805853	50.0000	45.850	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1716382			31.17- 91.17	61.17
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1530243	50.0000	46.235	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	476642			1.15- 61.15	31.15
12.689	12.689 (0.879)	39	934758			31.09- 91.09	61.09
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	960159	50.0000	44.078	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	582112			30.63- 90.63	60.63
12.993	12.993 (0.900)	83	851350			58.67- 118.67	88.67
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	1095037	50.0000	45.072	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	889473			51.23- 111.23	81.23
13.021	13.021 (0.902)	131	841977			46.89- 106.89	76.89
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	2064519	50.0000	46.496	80.00- 120.00	100.00
13.436	13.436 (0.931)	43	3871040			157.50- 217.50	187.50
13.436	13.436 (0.931)	100	338299			0.00- 46.39	16.39
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1452960	50.0000	46.477	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1110697			46.44- 106.44	76.44
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1635326	50.0000	45.875	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1564155			65.65- 125.65	95.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2286785	50.0000	44.686	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	712584			1.16- 61.16	31.16
14.486	14.486 (1.004)	77	1488741			35.10- 95.10	65.10
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	1305024	50.0000	46.428	80.00- 120.00	100.00
14.624	14.624 (1.013)	91	4136790			286.99- 346.99	316.99
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1682123	50.0000	45.255	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3273731			164.62- 224.62	194.62
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	1535328	50.0000	45.432	80.00- 120.00	100.00
15.371	15.371 (1.065)	91	3319926			186.24- 246.24	216.24
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	2887144	50.0000	46.465	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1576008			24.59- 84.59	54.59
135 Bromoform					CAS #: 75-25-2		
15.647	15.647 (1.084)	173	1360686	50.0000	47.809	80.00- 120.00	100.00
15.647	15.647 (1.084)	171	718721			22.82- 82.82	52.82
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	4815648	50.0000	42.799	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1118774			0.00- 53.23	23.23
15.841	15.841 (1.098)	51	598125			0.00- 42.42	12.42
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2510394	50.0000	45.295	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1619287			34.50- 94.50	64.50
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	5812882	50.0000	46.997	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1185323			0.00- 50.39	20.39
16.366	16.366 (1.134)	105	208383			0.00- 33.58	3.58
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	4854751	50.0000	47.254	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1352954			0.00- 57.87	27.87
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	4726551	50.0000	45.300	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	2046035			13.29- 73.29	43.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	3918691	50.0000	45.804	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1553263			9.64- 69.64	39.64
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	2255138	50.0000	45.522	80.00- 120.00	100.00
17.362	17.362 (1.203)	148	1433132			33.55- 93.55	63.55
17.362	17.362 (1.203)	111	978723			13.40- 73.40	43.40
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2794407	50.0000	42.707	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1714604			31.36- 91.36	61.36
17.445	17.445 (1.209)	111	1229897			14.01- 74.01	44.01
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	3812148	50.0000	48.110	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	708223			0.00- 48.58	18.58
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2302232	50.0000	41.194	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1436931			32.41- 92.41	62.41
17.804	17.804 (1.234)	111	1154348			20.14- 80.14	50.14
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	3119988	50.0000	40.681	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	2929249			63.89- 123.89	93.89
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1733107	50.0000	41.271	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	1113023			34.22- 94.22	64.22
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	4911077	50.0000	40.271	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	586277			0.00- 41.94	11.94

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110707.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	323542	0.00
88 1,4-Difluorobenze	1314228	788537	1839919	1314228	0.00
125 Chlorobenzene-d5	962005	577203	1346807	962005	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

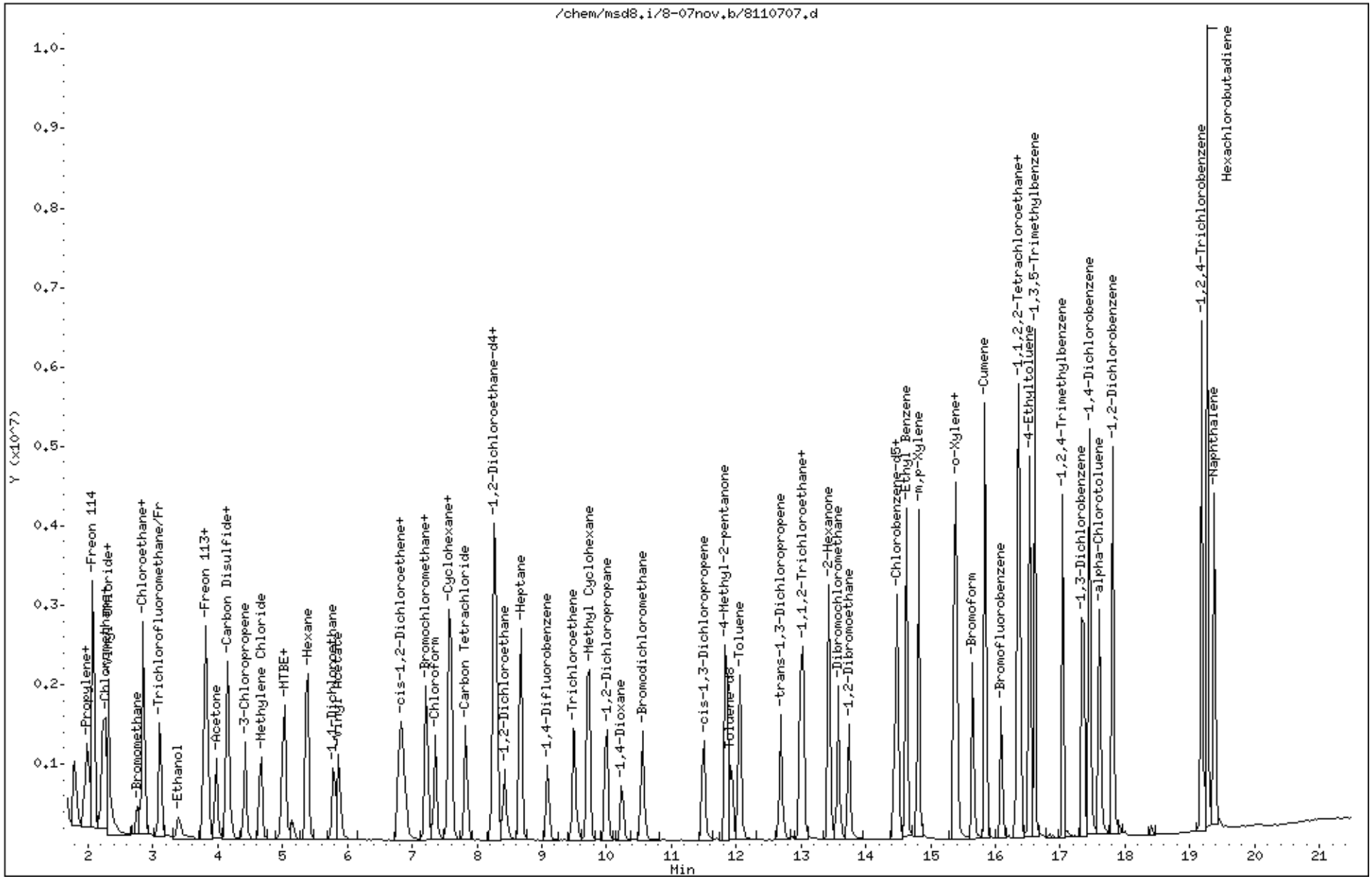
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0113

Data File: /chem/msd8.i/8-07nov.b/8110707.d
Date : 07-NOV-2007 14:44
Client ID: Level 5
Sample Info: 50mL #1576-93

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110708.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 07-NOV-2007 15:12
Operator : ct Inst ID: msd8.i
Smp Info : 100mL #1576-93
Misc Info : 100ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 15:12 Cal File: 8110708.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.215 (1.000)	130	324387	25.0000		70.00- 130.00	100.00
7.215	7.215 (1.000)	128	252081			48.26- 108.26	77.71
7.215	7.215 (1.000)	49	680279			172.76- 232.76	209.71
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1322855	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	241717			0.00- 48.59	18.27
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	954932	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	663311			0.00- 30.00	69.46
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	574700	25.0000	26.362	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	347894			0.00- 30.00	60.53
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1242068	25.0000	25.440	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	146670			0.00- 30.00	11.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	899775			0.00- 30.00	72.44
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	588062	25.0000	26.049	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	876736			132.22- 192.22	149.09
16.090	16.090 (1.115)	176	576432			72.38- 132.38	98.02
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	1723190	100.000	89.847	70.00- 130.00	100.00
1.961	1.961 (0.272)	42	1188763			0.00- 30.00	68.99
1.961	1.961 (0.272)	39	1200799			0.00- 30.00	69.68
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	3578535	100.000	90.037	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	1127194			0.00- 30.00	31.50
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.291)	135	2955679	100.000	90.140	70.00- 130.00	100.00
2.099	2.099 (0.291)	137	926938			2.23- 62.23	31.36
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	2043730	100.000	84.707	70.00- 130.00	100.00
2.210	2.210 (0.306)	52	608935			0.00- 30.00	29.80
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	463121	100.000	87.247	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	3656528			0.00- 30.00	789.54
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	2083331	100.000	92.264	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	608030			0.00- 30.00	29.19
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.322)	54	1930740	100.000	91.159	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	1899569			0.00- 30.00	98.39
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	1428500	100.000	94.237	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	1331291			62.69- 122.69	93.20
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	1052073	100.000	87.052	70.00- 130.00	100.00
2.846	2.846 (0.394)	49	304602			0.00- 30.00	28.95
2.846	2.846 (0.394)	66	322147			0.00- 30.00	30.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	3199349	100.000	88.722	70.00- 130.00	100.00
2.846	2.846 (0.394)	57	2029340			0.00- 30.00	63.43
2.846	2.846 (0.394)	72	191382			0.00- 30.00	5.98
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	4314183	100.000	91.794	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	2787475			33.47- 93.47	64.61
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	1200932	100.000	88.282	70.00- 130.00	100.00
3.399	3.399 (0.471)	43	227891			0.00- 30.00	18.98
3.399	3.399 (0.471)	46	484931			0.00- 30.00	40.38
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	2382698	100.000	91.421	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	1520558			34.96- 94.96	63.82
3.814	3.814 (0.529)	101	3311055			110.67- 170.67	138.96
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	3125826	100.000	88.365	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	1654688			23.05- 83.05	52.94
3.841	3.841 (0.532)	98	1059291			4.77- 64.77	33.89
30 Acetone					CAS #: 67-64-1		
3.980	3.980 (0.552)	58	1467780	100.000	90.482	70.00- 130.00	100.00
3.980	3.980 (0.552)	43	4665333			0.00- 30.00	317.85
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	5468483	100.000	90.884	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	6549655	100.000	91.528	70.00- 130.00	100.00
4.173	4.173 (0.578)	43	1232284			0.00- 30.00	18.81
4.173	4.173 (0.578)	59	231667			0.00- 30.00	3.54
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	895836	100.000	90.964	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	3284859			0.00- 30.00	366.68
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	2663147	100.000	91.343	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	1595815			29.85- 89.85	59.92
4.671	4.671 (0.647)	51	782749			0.00- 30.00	29.39
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	1731350	100.000	69.165	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.003	5.003 (0.693)	57	485283			0.00- 56.82	28.03
5.003	5.003 (0.693)	41	484419			0.00- 30.00	27.98
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	1938695	100.000	90.073	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	3204332			134.87- 194.87	165.28
5.030	5.030 (0.697)	98	1224773			0.00- 30.00	63.18
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	4024183	100.000	90.879	70.00- 130.00	100.00
5.390	5.390 (0.747)	43	2717193			0.00- 30.00	67.52
5.390	5.390 (0.747)	86	561910			0.00- 30.00	13.96
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.804	5.804 (0.805)	63	3740716	100.000	91.759	70.00- 130.00	100.00
5.804	5.804 (0.805)	65	1102671			0.00- 59.35	29.48
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	506183	100.000	100.99	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	6612136			0.00- 30.00	1306.27
5.860	5.860 (0.812)	42	508786			0.00- 30.00	100.51
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	2807226	100.000	91.031	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	1806232			34.04- 94.04	64.34
6.800	6.800 (0.942)	98	1137146			10.46- 70.46	40.51
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	1260695	100.000	91.272	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	8585096			637.97- 697.97	680.98
6.855	6.855 (0.950)	57	485157			0.00- 30.00	38.48
67 Tetrahydrofuran					CAS #: 109-99-9		
7.215	7.215 (1.000)	42	3589948	100.000	88.109	70.00- 130.00	100.00
7.215	7.215 (1.000)	71	1039899			0.00- 58.92	28.97
7.215	7.215 (1.000)	72	1147515			0.00- 30.00	31.96
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	3466085	100.000	84.057	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	2227625			34.34- 94.34	64.27
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	2683607	100.000	88.519	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	3840976			112.65- 172.65	143.13
7.574	7.574 (1.050)	41	2120957			48.57- 108.57	79.03

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		
7.602	7.602 (1.054)	97	3443753	100.000	92.006	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	2181051			34.72- 94.72	63.33
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	3083352	100.000	93.611	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	3203013			74.74- 134.74	103.88
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	5584059	100.000	85.520	70.00- 130.00	100.00
8.238	8.238 (0.906)	77	1274478			0.00- 30.00	22.82
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	11855852	100.000	92.002	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	3615957			0.00- 30.00	30.50
8.293	8.293 (1.149)	41	3003355			0.00- 30.00	25.33
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	2732588	100.000	90.592	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	825116			0.00- 30.00	30.20
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	604348	100.000	90.474	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	4394654			0.00- 30.00	727.17
8.680	8.680 (0.954)	71	1966126			0.00- 30.00	325.33
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	2145607	100.000	91.326	70.00- 130.00	100.00
9.509	9.509 (1.046)	130	1999367			63.99- 123.99	93.18
9.482	9.482 (1.043)	97	1384958			33.44- 93.44	64.55
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.731 (1.349)	83	3436313	100.000	91.866	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	1515614			0.00- 30.00	44.11
9.731	9.731 (1.349)	55	3442687			0.00- 30.00	100.19
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	2100857	100.000	89.107	70.00- 130.00	100.00
10.007	10.007 (1.100)	62	1436699			38.97- 98.97	68.39
10.007	10.007 (1.100)	41	1363147			35.16- 95.16	64.89
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	1682515	100.000	92.658	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	1380712			52.48- 112.48	82.06
10.228	10.228 (1.125)	57	436740			0.00- 30.00	25.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	3592398	100.000	93.592	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	2226593			32.47- 92.47	61.98
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	2853167	100.000	91.398	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	882251			0.67- 60.67	30.92
11.500	11.500 (1.264)	39	1814791			32.44- 92.44	63.61
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	2659279	100.000	87.972	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	7248172			0.00- 30.00	272.56
11.832	11.832 (1.301)	85	1023744			0.00- 30.00	38.50
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	5603728	100.000	93.073	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	3319174			31.17- 91.17	59.23
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	3110192	100.000	95.947	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	987360			1.15- 61.15	31.75
12.689	12.689 (0.879)	39	1871874			31.09- 91.09	60.19
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	1867322	100.000	89.407	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	1171635			30.63- 90.63	62.74
12.993	12.993 (0.900)	83	1685738			58.67- 118.67	90.28
112 Tetrachloroethene					CAS #: 127-18-4		
13.049	13.049 (0.904)	166	2161025	100.000	91.998	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	1744738			51.23- 111.23	80.74
13.021	13.021 (0.902)	131	1661881			46.89- 106.89	76.90
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	4059918	100.000	93.965	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	7983768			157.50- 217.50	196.65
13.436	13.436 (0.931)	100	677416			0.00- 30.00	16.69
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	2971446	100.000	96.781	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	2280164			0.00- 30.00	76.74
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	3258999	100.000	93.956	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	3065494			65.65- 125.65	94.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	4449433	100.000	90.394	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	1410674			1.16- 61.16	31.70
14.486	14.486 (1.004)	77	3014130			35.10- 95.10	67.74
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	2611526	100.000	95.120	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	8340240			0.00- 30.00	319.36
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	3254911	100.000	90.895	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	6654049			0.00- 30.00	204.43
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	3072189	100.000	93.552	70.00- 130.00	100.00
15.371	15.371 (1.065)	91	6550461			186.24- 246.24	213.22
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	5884232	100.000	96.286	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	3153882			24.59- 84.59	53.60
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	2867161	100.000	101.11	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	1458786			22.82- 82.82	50.88
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	9637449	100.000	88.720	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	2243546			0.00- 30.00	23.28
15.841	15.841 (1.098)	51	1177490			0.00- 30.00	12.22
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	5009967	100.000	93.145	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	3202576			34.50- 94.50	63.92
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	11875783	100.000	97.525	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	2359293			0.00- 30.00	19.87
16.366	16.366 (1.134)	105	413248			0.00- 30.00	3.48
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	10059807	100.000	98.978	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	2663516			0.00- 57.87	26.48
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	9542274	100.000	93.980	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	4015240			0.00- 30.00	42.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	7869336	100.000	94.395	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	3143972			9.64- 69.64	39.95
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	4526495	100.000	93.915	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	2823825			0.00- 30.00	62.38
17.334	17.334 (1.201)	111	1967982			0.00- 30.00	43.48
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	5416223	100.000	87.003	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	3392825			0.00- 30.00	62.64
17.445	17.445 (1.209)	111	2435327			0.00- 30.00	44.96
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	7391083	100.000	95.406	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	1433329			0.00- 30.00	19.39
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	4679642	100.000	87.788	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	2916132			32.41- 92.41	62.32
17.804	17.804 (1.234)	111	2323104			20.14- 80.14	49.64
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	6171526	100.000	85.093	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	5864073			63.89- 123.89	95.02
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	3477322	100.000	87.027	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	2258663			34.22- 94.22	64.95
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	9780903	100.000	84.872	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	1195591			0.00- 30.00	12.22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110708.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 100ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	324387	0.26
88 1,4-Difluorobenze	1314228	788537	1839919	1322855	0.66
125 Chlorobenzene-d5	962005	577203	1346807	954932	-0.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

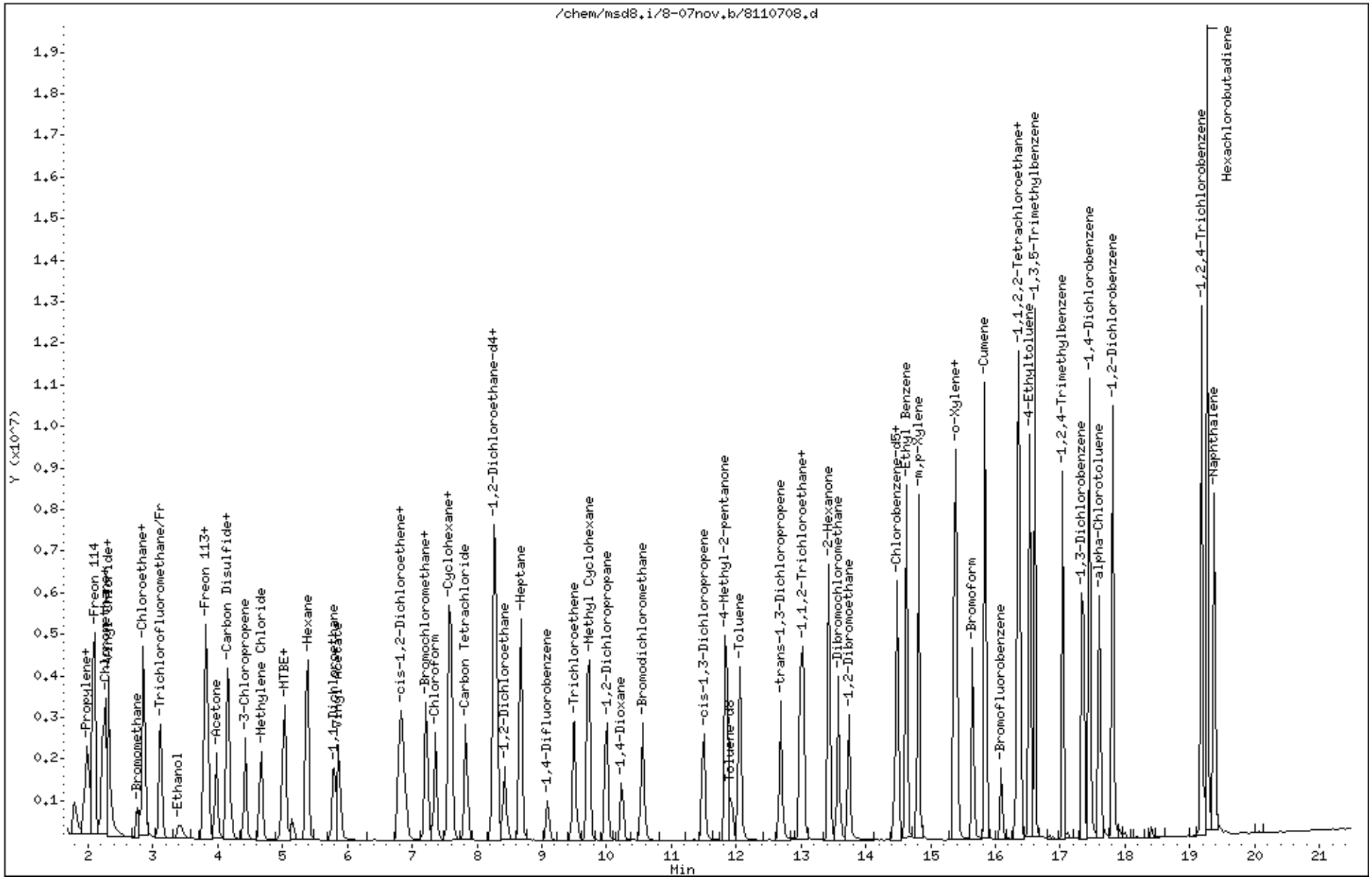
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0123

Data File: /chem/msd8.i/8-07nov.b/8110708.d
Date : 07-NOV-2007 15:12
Client ID: Level 6
Sample Info: 100mL #1576-93

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07nov.b/8110709.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 07-NOV-2007 15:42
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #1576-93
Misc Info : 200ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 09:43 ctaylor Quant Type: ISTD
Cal Date : 07-NOV-2007 15:42 Cal File: 8110709.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	327735	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	251454			48.26- 108.26	76.72
7.214	7.214 (1.000)	49	686442			172.76- 232.76	209.45
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1343026	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	252776			0.00- 48.59	18.82
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	996436	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	661305			0.00- 30.00	66.37
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	622836	25.0000	27.673	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	418108			0.00- 30.00	67.13
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1246146	25.0000	25.117	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	146394			0.00- 30.00	11.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	980684			0.00- 30.00	78.70
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	588575	25.0000	24.988	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	925313			132.22- 192.22	157.21
16.090	16.090 (1.115)	176	571828			72.38- 132.38	97.15
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.272)	41	3847094	200.000	198.83	70.00- 130.00	100.00
1.961	1.961 (0.272)	42	2546672			0.00- 30.00	66.20
1.961	1.961 (0.272)	39	2598266			0.00- 30.00	67.54
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	6805582	200.000	174.82	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	2181583			0.00- 30.00	32.06
6 Freon 114					CAS #: 76-14-2		
2.127	2.127 (0.295)	135	5870951	200.000	181.35	70.00- 130.00	100.00
2.127	2.127 (0.295)	137	1798813			2.23- 62.23	30.64
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	3577286	200.000	155.01	70.00- 130.00	100.00
2.210	2.210 (0.306)	52	1043257			0.00- 30.00	29.16
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	938028	200.000	179.41	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	7367901			0.00- 30.00	785.47
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	4085461	200.000	182.91	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	1220382			0.00- 30.00	29.87
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	3803312	200.000	181.78	70.00- 130.00	100.00
2.320	2.320 (0.322)	39	4066817			0.00- 30.00	106.93
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	2809612	200.000	186.54	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	2687992			62.69- 122.69	95.67
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.398)	64	2048209	200.000	173.34	70.00- 130.00	100.00
2.873	2.873 (0.398)	49	578801			0.00- 30.00	28.26
2.873	2.873 (0.398)	66	628661			0.00- 30.00	30.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	6257872	200.000	176.76	70.00- 130.00	100.00
2.873	2.873 (0.398)	57	4025122			0.00- 30.00	64.32
2.873	2.873 (0.398)	72	368208			0.00- 30.00	5.88
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	8611099	200.000	184.80	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	5495963			33.47- 93.47	63.82
23 Ethanol					CAS #: 64-17-5		
3.454	3.454 (0.479)	45	1860505	200.000	144.72	70.00- 130.00	100.00
3.454	3.454 (0.479)	43	328679			0.00- 30.00	17.67
3.454	3.454 (0.479)	46	769107			0.00- 30.00	41.34
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	4768202	200.000	184.57	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	2984947			34.96- 94.96	62.60
3.814	3.814 (0.529)	101	6665244			110.67- 170.67	139.79
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	6262768	200.000	179.68	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	3252613			23.05- 83.05	51.94
3.841	3.841 (0.532)	98	2129469			4.77- 64.77	34.00
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	2905854	200.000	181.42	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	9319853			0.00- 30.00	320.73
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	11094923	200.000	185.76	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	12686138	200.000	179.88	70.00- 130.00	100.00
4.173	4.173 (0.578)	43	2356704			0.00- 30.00	18.58
4.173	4.173 (0.578)	59	444558			0.00- 30.00	3.50
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	1731308	200.000	178.65	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	6356812			0.00- 30.00	367.17
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	5282310	200.000	183.11	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	3161095			29.85- 89.85	59.84
4.671	4.671 (0.647)	51	1552624			0.00- 30.00	29.39
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	2543160	200.000	100.56	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.002	5.002 (0.693)	57	728090			0.00- 56.82	28.63
4.975	4.975 (0.690)	41	729105			0.00- 30.00	28.67
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	3850215	200.000	181.21	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	6464725			134.87- 194.87	167.91
5.030	5.030 (0.697)	98	2433660			0.00- 30.00	63.21
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	8124048	200.000	185.00	70.00- 130.00	100.00
5.390	5.390 (0.747)	43	5357516			0.00- 30.00	65.95
5.390	5.390 (0.747)	86	1100248			0.00- 30.00	13.54
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	7523916	200.000	185.90	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	2231481			0.00- 59.35	29.66
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	1041513	200.000	204.51	70.00- 130.00	100.00(A)
5.860	5.860 (0.812)	43	13690798			0.00- 30.00	1314.51
5.860	5.860 (0.812)	42	1024228			0.00- 30.00	98.34
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	5680540	200.000	185.60	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	3583756			34.04- 94.04	63.09
6.800	6.800 (0.942)	98	2301152			10.46- 70.46	40.51
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	2589781	200.000	188.30	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	17584944			637.97- 697.97	679.01
6.855	6.855 (0.950)	57	988019			0.00- 30.00	38.15
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	7216034	200.000	179.74	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	2133139			0.00- 58.92	29.56
7.214	7.214 (1.000)	72	2253932			0.00- 30.00	31.24
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	7039359	200.000	173.45	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	4436970			34.34- 94.34	63.03
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	5381268	200.000	180.07	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	7663142			112.65- 172.65	142.40
7.574	7.574 (1.050)	41	4186362			48.57- 108.57	77.80

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		
7.602	7.602 (1.054)	97	6903263	200.000	185.79	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	4382308			34.72- 94.72	63.48
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	6153439	200.000	187.74	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	6446804			74.74- 134.74	104.77
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	11205461	200.000	173.51	70.00- 130.00	100.00
8.237	8.237 (0.906)	77	2477256			0.00- 30.00	22.11
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	24135795	200.000	188.13	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	7277479			0.00- 30.00	30.15
8.293	8.293 (1.149)	41	5974642			0.00- 30.00	24.75
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	5489304	200.000	183.05	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	1668355			0.00- 30.00	30.39
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	1207997	200.000	182.11	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	8832245			0.00- 30.00	731.15
8.680	8.680 (0.954)	71	3954219			0.00- 30.00	327.34
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	4290179	200.000	183.56	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	3989949			63.99- 123.99	93.00
9.482	9.482 (1.043)	97	2742322			33.44- 93.44	63.92
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.731 (1.349)	83	6863365	200.000	185.01	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	3002348			0.00- 30.00	43.74
9.731	9.731 (1.349)	55	6886379			0.00- 30.00	100.34
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	4255918	200.000	181.84	70.00- 130.00	100.00
10.007	10.007 (1.100)	62	2891338			38.97- 98.97	67.94
10.007	10.007 (1.100)	41	2704478			35.16- 95.16	63.55
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	3330566	200.000	184.23	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	2754479			52.48- 112.48	82.70
10.228	10.228 (1.125)	57	870240			0.00- 30.00	26.13

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	7206574	200.000	187.76	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	4524728			32.47- 92.47	62.79
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	5687400	200.000	183.22	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	1826537			0.67- 60.67	32.12
11.500	11.500 (1.264)	39	3710751			32.44- 92.44	65.25
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	5306309	200.000	177.72	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	14723847			0.00- 30.00	277.48
11.832	11.832 (1.301)	85	2049998			0.00- 30.00	38.63
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	11280124	200.000	187.44	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	6627117			31.17- 91.17	58.75
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	6252013	200.000	187.68	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	1935072			1.15- 61.15	30.95
12.689	12.689 (0.879)	39	3767459			31.09- 91.09	60.26
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	3740777	200.000	176.66	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	2332728			30.63- 90.63	62.36
12.993	12.993 (0.900)	83	3338344			58.67- 118.67	89.24
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	4300365	200.000	179.86	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	3507904			51.23- 111.23	81.57
13.021	13.021 (0.902)	131	3325317			46.89- 106.89	77.33
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	8242588	200.000	186.02	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	16540888			157.50- 217.50	200.68
13.436	13.436 (0.931)	100	1351592			0.00- 30.00	16.40
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	5933081	200.000	187.98	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	4585328			0.00- 30.00	77.28
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	6521665	200.000	183.83	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	6135682			65.65- 125.65	94.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	8967705	200.000	179.15	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	2780842			1.16- 61.16	31.01
14.486	14.486 (1.004)	77	6083138			35.10- 95.10	67.83
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	5173306	200.000	184.16	70.00- 130.00	100.00
14.624	14.624 (1.013)	91	17182445			0.00- 30.00	332.14
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	6660393	200.000	182.21	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	13874575			0.00- 30.00	208.31
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	6077646	200.000	181.47	70.00- 130.00	100.00
15.371	15.371 (1.065)	91	13309604			186.24- 246.24	218.99
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	11584991	200.000	184.49	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	6187331			24.59- 84.59	53.41
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	5630478	200.000	192.16	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	2884271			22.82- 82.82	51.23
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	18396553	200.000	167.56	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	4392779			0.00- 30.00	23.88
15.841	15.841 (1.098)	51	2370803			0.00- 30.00	12.89
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	10263995	200.000	186.06	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	6495074			34.50- 94.50	63.28
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	19115988	200.000	158.29	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	4679413			0.00- 30.00	24.48
16.366	16.366 (1.134)	105	804571			0.00- 30.00	4.21
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	19242057	200.000	184.87	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	5449490			0.00- 57.87	28.32
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	16396364	200.000	162.09	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	7985566			0.00- 30.00	48.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	16216710	200.000	188.99	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	6287507			9.64- 69.64	38.77
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	9162769	200.000	185.49	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	5695429			0.00- 30.00	62.16
17.334	17.334 (1.201)	111	3911873			0.00- 30.00	42.69
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	10331635	200.000	165.84	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	6226812			0.00- 30.00	60.27
17.445	17.445 (1.209)	111	4747525			0.00- 30.00	45.95
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	15895003	200.000	197.30	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	3088215			0.00- 30.00	19.43
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	9049418	200.000	169.00	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	5583829			32.41- 92.41	61.70
17.804	17.804 (1.234)	111	4541451			20.14- 80.14	50.19
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	12788348	200.000	174.39	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	12125723			63.89- 123.89	94.82
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	6833242	200.000	170.03	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	4303141			34.22- 94.22	62.97
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	17619970	200.000	154.80	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	2403835			0.00- 30.00	13.64

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: msd8.i
Lab File ID: 8110709.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-07nov.b/t14qn07a.m
Misc Info: 200ppbv (200ppbv)

Calibration Date: 07-NOV-2007
Calibration Time: 14:44
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	323542	194125	452959	327735	1.30
88 1,4-Difluorobenze	1314228	788537	1839919	1343026	2.19
125 Chlorobenzene-d5	962005	577203	1346807	996436	3.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

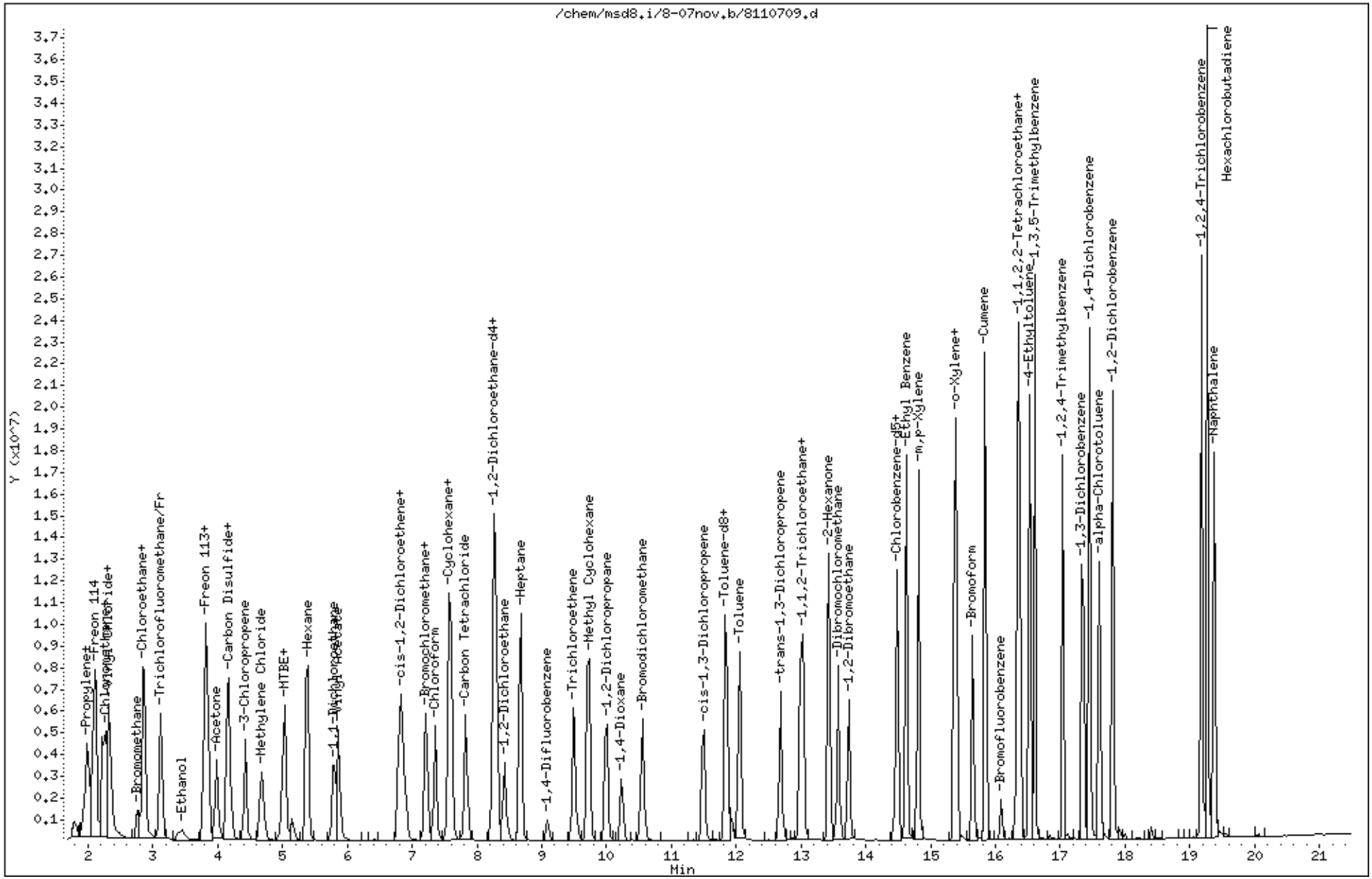
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0133

Data File: /chem/msd8.i/8-07nov.b/8110709.d
Date : 07-NOV-2007 15:42
Client ID: Level 7
Sample Info: 200mL #1576-93

Instrument: msd8.i
Operator: ct
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710683-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110804**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 03:03 PM**

Compound	%Recovery
Freon 12	103
Freon 114	97
Vinyl Chloride	99
Bromomethane	102
Chloroethane	88
Freon 11	98
1,1-Dichloroethene	91
Freon 113	96
Methylene Chloride	91
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	95
Chloroform	89
1,1,1-Trichloroethane	100
Carbon Tetrachloride	95
Benzene	89
1,2-Dichloroethane	91
Trichloroethene	86
1,2-Dichloropropane	85
cis-1,3-Dichloropropene	93
Toluene	89
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	89
Tetrachloroethene	88
1,2-Dibromoethane (EDB)	88
Chlorobenzene	89
Ethyl Benzene	89
m,p-Xylene	88
o-Xylene	90
Styrene	96
1,1,2,2-Tetrachloroethane	91
1,3,5-Trimethylbenzene	86
1,2,4-Trimethylbenzene	87
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	82
alpha-Chlorotoluene	95
1,2-Dichlorobenzene	80
1,3-Butadiene	92
Hexane	96
Cyclohexane	93

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710683-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 03:03 PM**	

Compound	**%Recovery**
Heptane	81
Bromodichloromethane	89
Dibromochloromethane	92
Cumene	86
Propylbenzene	94
Chloromethane	96
1,2,4-Trichlorobenzene	82
Hexachlorobutadiene	87
Acetone	96
Carbon Disulfide	95
2-Propanol	102
trans-1,2-Dichloroethene	91
2-Butanone (Methyl Ethyl Ketone)	92
Tetrahydrofuran	93
1,4-Dioxane	92
4-Methyl-2-pentanone	88
2-Hexanone	95
Bromoform	97
4-Ethyltoluene	94
Ethanol	106
Methyl tert-butyl ether	168 Q
3-Chloropropene	102
2,2,4-Trimethylpentane	95
Naphthalene	83

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 08-NOV-2007 15:03
Lab File ID: 8110804.d Init. Cal. Date(s): 07-NOV-2007 07-NOV-2007
Analysis Type: AIR Init. Cal. Times: 12:54 16:52
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-08nov.b/t14qn07a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 82 1,2-Dichloroethane-d4	1.71169	1.73800	0.010	-1.53686	30.00000	Averaged	
$ 104 Toluene-d8	0.92206	0.91275	0.010	1.00887	30.00000	Averaged	
$ 140 Bromofluorobenzene	0.58878	0.57299	0.010	2.68211	30.00000	Averaged	
3 Propylene	1.47595	1.43421	0.010	2.82788	30.00000	Averaged	
4 Dichlorodifluoromethane/Fr1	3.08812	3.17611	0.010	-2.84926	30.00000	Averaged	
6 Freon 114	2.51502	2.43752	0.010	3.08168	30.00000	Averaged	
8 Chloromethane	1.76042	1.69536	0.010	3.69586	30.00000	Averaged	
11 Vinyl Chloride	1.76943	1.75246	0.010	0.95883	30.00000	Averaged	
10 1,3-Butadiene	1.69507	1.56628	0.010	7.59806	30.00000	Averaged	
13 Bromomethane	1.18220	1.20523	0.010	-1.94819	30.00000	Averaged	
16 Chloroethane	1.02440	0.90050	0.010	12.09443	30.00000	Averaged	
18 Trichlorofluoromethane/Fr11	3.60945	3.54239	0.010	1.85787	30.00000	Averaged	
23 Ethanol	0.98064	1.03877	0.010	-5.92847	30.00000	Averaged	
28 Freon 113	2.04114	1.96895	0.010	3.53677	30.00000	Averaged	
29 1,1-Dichloroethene	2.70809	2.47745	0.010	8.51658	30.00000	Averaged	
30 Acetone	1.22181	1.18007	0.010	3.41578	30.00000	Averaged	
34 2-Propanol	5.37968	5.48826	0.010	-2.01833	30.00000	Averaged	
33 Carbon Disulfide	4.79034	4.55130	0.010	4.99008	30.00000	Averaged	
37 3-Chloropropene	0.73926	0.75339	0.010	-1.91110	30.00000	Averaged	
40 Methylene Chloride	2.35217	2.14126	0.010	8.96673	30.00000	Averaged	
43 MTBE	2.12566	3.57622	0.010	-68.24016	30.00000	Averaged	<-
45 trans-1,2-Dichloroethene	1.71016	1.55776	0.010	8.91144	30.00000	Averaged	
46 Hexane	3.49572	3.36280	0.010	3.80251	30.00000	Averaged	
54 1,1-Dichloroethane	3.17156	3.05167	0.010	3.78024	30.00000	Averaged	
55 Vinyl Acetate	0.38848	0.41922	0.010	-7.91293	30.00000	Averaged	
65 2-Butanone	1.12470	1.03096	0.010	8.33505	30.00000	Averaged	
64 cis-1,2-Dichloroethene	2.40788	2.29580	0.010	4.65459	30.00000	Averaged	
67 Tetrahydrofuran	3.18635	2.96666	0.010	6.89475	30.00000	Averaged	
70 Chloroform	3.18033	2.83703	0.010	10.79446	30.00000	Averaged	
75 1,1,1-Trichloroethane	2.80841	2.80083	0.010	0.26978	30.00000	Averaged	
73 Cyclohexane	2.36449	2.19552	0.010	7.14609	30.00000	Averaged	
77 Carbon Tetrachloride	2.57221	2.44571	0.010	4.91799	30.00000	Averaged	
80 2,2,4-Trimethylpentane	10.14186	9.59718	0.010	5.37057	30.00000	Averaged	
81 Benzene	1.20679	1.07139	0.010	11.22041	30.00000	Averaged	
83 1,2-Dichloroethane	0.56850	0.51840	0.010	8.81186	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 08-NOV-2007 15:03
Lab File ID: 8110804.d Init. Cal. Date(s): 07-NOV-2007 07-NOV-2007
Analysis Type: AIR Init. Cal. Times: 12:54 16:52
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-08nov.b/t14qn07a.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
85 Heptane	0.13802	0.11242	0.010	18.54942	30.00000	Averaged
94 Trichloroethene	0.47617	0.40858	0.010	14.19521	30.00000	Averaged
97 1,2-Dichloropropane	0.47118	0.40143	0.010	14.80211	30.00000	Averaged
98 1,4-Dioxane	0.33653	0.31011	0.010	7.84899	30.00000	Averaged
100 Bromodichloromethane	0.74366	0.66517	0.010	10.55479	30.00000	Averaged
102 cis-1,3-Dichloropropene	0.57341	0.53283	0.010	7.07685	30.00000	Averaged
103 4-Methyl-2-pentanone	0.56442	0.49756	0.010	11.84563	30.00000	Averaged
105 Toluene	1.17280	1.04358	0.010	11.01770	30.00000	Averaged
108 trans-1,3-Dichloropropene	0.84451	0.79789	0.010	5.52077	30.00000	Averaged
110 1,1,2-Trichloroethane	0.54053	0.47920	0.010	11.34586	30.00000	Averaged
112 Tetrachloroethene	0.62545	0.55164	0.010	11.79976	30.00000	Averaged
114 2-Hexanone	1.11172	1.05437	0.010	5.15889	30.00000	Averaged
116 Dibromochloromethane	0.80368	0.74000	0.010	7.92379	30.00000	Averaged
117 1,2-Dibromoethane	0.94659	0.83726	0.010	11.54964	30.00000	Averaged
126 Chlorobenzene	1.29385	1.15105	0.010	11.03705	30.00000	Averaged
129 Ethyl Benzene	0.72786	0.64581	0.010	11.27215	30.00000	Averaged
130 m,p-Xylene	0.94151	0.82482	0.010	12.39360	30.00000	Averaged
132 o-Xylene	0.85955	0.77383	0.010	9.97249	30.00000	Averaged
134 Styrene	1.55870	1.49342	0.010	4.18811	30.00000	Averaged
135 Bromoform	0.72355	0.70172	0.010	3.01704	30.00000	Averaged
144 1,1,2,2-Tetrachloroethane	1.41659	1.28899	0.010	9.00773	30.00000	Averaged
147 4-Ethyltoluene	2.61509	2.47136	0.010	5.49622	30.00000	Averaged
148 1,3,5-Trimethylbenzene	2.71723	2.35265	0.010	13.41742	30.00000	Averaged
153 1,2,4-Trimethylbenzene	2.23245	1.95308	0.010	12.51390	30.00000	Averaged
156 1,3-Dichlorobenzene	1.30429	1.13441	0.010	13.02464	30.00000	Averaged
157 1,4-Dichlorobenzene	1.65965	1.36391	0.010	17.81929	30.00000	Averaged
158 alpha-Chlorotoluene	2.03966	1.93179	0.010	5.28881	30.00000	Averaged
161 1,2-Dichlorobenzene	1.40469	1.12037	0.010	20.24065	30.00000	Averaged
167 1,2,4-Trichlorobenzene	1.83984	1.49999	0.010	18.47151	30.00000	Averaged
168 Hexachlorobutadiene	1.00829	0.87614	0.010	13.10688	30.00000	Averaged
145 Propylbenzene	3.06294	2.89238	0.010	5.56871	30.00000	Averaged
137 Cumene	2.80122	2.42543	0.010	13.41537	30.00000	Averaged
169 Naphthalene	2.85572	2.37321	0.010	16.89609	30.00000	Averaged
9 Butane	0.39883	0.38722	0.010	2.90983	30.00000	Averaged
15 Isopentane	2.70064	2.62089	0.010	2.95324	30.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 08-NOV-2007 15:03
Lab File ID: 8110804.d Init. Cal. Date(s): 07-NOV-2007 07-NOV-2007
Analysis Type: AIR Init. Cal. Times: 12:54 16:52
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-08nov.b/t14qn07a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
95 Methyl Cyclohexane	2.89447	2.78039	0.010	3.94146	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-08nov.b/8110804.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 08-NOV-2007 15:03
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-93
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 15:12 cbond Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	334517	25.0000		80.00- 120.00		100.00
7.214	7.214 (1.000)	128	273715			51.82- 111.82		81.82
7.214	7.214 (1.000)	49	735262			189.80- 249.80		219.80
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1435973	25.0000		80.00- 120.00		100.00
9.095	9.095 (1.000)	88	263235			0.00- 48.33		18.33
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	1037372	25.0000		80.00- 120.00		100.00
14.431	14.431 (1.000)	82	685309			0.00- 30.00		66.06
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.293	8.293 (1.149)	65	581390	25.0000	25.384	80.00- 120.00		100.00
8.293	8.293 (1.149)	67	332518			0.00- 30.00		57.19
$ 104 Toluene-d8					CAS #: 2037-26-5			
11.915	11.915 (1.310)	98	1310691	25.0000	24.748	80.00- 120.00		100.00
11.915	11.915 (1.310)	70	144717			0.00- 30.00		11.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	928866			0.00- 30.00	70.87
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	594401	25.0000	24.329	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	950514			129.91- 189.91	159.91
16.090	16.090 (1.115)	176	579468			67.49- 127.49	97.49
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	959534	50.0000	48.586	80.00- 120.00	100.00
1.933	1.933 (0.268)	42	685637			0.00- 30.00	71.46
1.933	1.933 (0.268)	39	656096			0.00- 30.00	68.38
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	2124924	50.0000	51.425	80.00- 120.00	100.00
1.989	1.989 (0.276)	87	660167			0.00- 30.00	31.07
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	1630783	50.0000	48.459	80.00- 120.00	100.00
2.072	2.072 (0.287)	137	513782			1.51- 61.51	31.51
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	1134254	50.0000	48.152	80.00- 120.00	100.00
2.210	2.210 (0.306)	52	352355			0.00- 30.00	31.06
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	1172455	50.0000	49.520	80.00- 120.00	100.00
2.348	2.348 (0.325)	64	344642			0.00- 30.00	29.39
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	1047894	50.0000	46.201	80.00- 120.00	100.00
2.320	2.320 (0.322)	39	1028594			0.00- 30.00	98.16
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	806339	50.0000	50.974	80.00- 120.00	100.00
2.763	2.763 (0.383)	96	767585			65.19- 125.19	95.19
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	602466	50.0000	43.953	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	180866			0.00- 30.00	30.02
2.846	2.846 (0.394)	66	188841			0.00- 30.00	31.34
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	2369979	50.0000	49.071	80.00- 120.00	100.00
3.095	3.095 (0.429)	103	1532801			34.68- 94.68	64.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	694974	50.0000	52.964	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	123633			0.00- 30.00	17.79
3.399	3.399 (0.471)	46	280687			0.00- 30.00	40.39
28 Freon 113					CAS #: 76-13-1		
3.813	3.813 (0.529)	151	1317292	50.0000	48.232	80.00- 120.00	100.00
3.813	3.813 (0.529)	153	850305			34.55- 94.55	64.55
3.813	3.813 (0.529)	101	1859994			111.20- 171.20	141.20
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1657500	50.0000	45.742	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	931988			26.23- 86.23	56.23
3.841	3.841 (0.532)	98	576638			4.79- 64.79	34.79
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	789508	50.0000	48.292	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	2570170			0.00- 30.00	325.54
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	3671830	50.0000	51.009	80.00- 120.00	100.00
4.145	4.145 (0.575)	43	675358			0.00- 30.00	18.39
4.145	4.145 (0.575)	59	131464			0.00- 30.00	3.58
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	3044975	50.0000	47.505	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	504041	50.0000	50.956	80.00- 120.00	100.00
4.422	4.422 (0.613)	41	1836209			0.00- 30.00	364.30
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1432573	50.0000	45.517	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	862751			30.22- 90.22	60.22
4.671	4.671 (0.647)	51	444490			0.00- 30.00	31.03
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	2392614	50.0000	84.120	80.00- 120.00	100.00
5.002	5.002 (0.693)	57	679907			0.00- 58.42	28.42
5.002	5.002 (0.693)	41	659837			0.00- 30.00	27.58
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	1042196	50.0000	45.544	80.00- 120.00	100.00
5.030	5.030 (0.697)	61	1758365			138.72- 198.72	168.72
5.030	5.030 (0.697)	98	664219			0.00- 30.00	63.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.389	5.389 (0.747)	57	2249826	50.0000	48.099	80.00- 120.00	100.00
5.362	5.362 (0.743)	43	1493823			0.00- 30.00	66.40
5.389	5.389 (0.747)	86	326240			0.00- 30.00	14.50
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	2041668	50.0000	48.110	80.00- 120.00	100.00
5.777	5.777 (0.801)	65	624081			0.57- 60.57	30.57
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	280471	50.0000	53.956	80.00- 120.00	100.00
5.860	5.860 (0.812)	43	3629397			0.00- 30.00	1294.04
5.860	5.860 (0.812)	42	270076			0.00- 30.00	96.29
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	689746	50.0000	45.832	80.00- 120.00	100.00
6.855	6.855 (0.950)	43	4671104			647.22- 707.22	677.22
6.855	6.855 (0.950)	57	265163			0.00- 30.00	38.44
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1535968	50.0000	47.673	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	994048			34.72- 94.72	64.72
6.800	6.800 (0.942)	98	623862			10.62- 70.62	40.62
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1984797	50.0000	46.553	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	581006			0.00- 59.27	29.27
7.214	7.214 (1.000)	72	624854			0.00- 30.00	31.48
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1898070	50.0000	44.603	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	1210580			33.78- 93.78	63.78
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.601	7.601 (1.054)	97	1873851	50.0000	49.865	80.00- 120.00	100.00
7.601	7.601 (1.054)	99	1199310			34.00- 94.00	64.00
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1468878	50.0000	46.427	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	2104683			113.29- 173.29	143.29
7.574	7.574 (1.050)	41	1158180			48.85- 108.85	78.85
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1636260	50.0000	47.541	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1702824			74.07- 134.07	104.07

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		
8.293	8.293 (1.149)	57	6420840	50.0000	47.315	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1980820			0.00- 30.00	30.85
8.293	8.293 (1.149)	41	1617407			0.00- 30.00	25.19
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	3076962	50.0000	44.390	80.00- 120.00	100.00
8.237	8.237 (0.906)	77	700503			0.00- 30.00	22.77
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1488828	50.0000	45.594	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	460979			0.00- 30.00	30.96
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	322856	50.0000	40.725	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2370646			0.00- 30.00	734.27
8.680	8.680 (0.954)	71	1082158			0.00- 30.00	335.18
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	1173420	50.0000	42.902	80.00- 120.00	100.00
9.482	9.482 (1.043)	130	1083466			62.33- 122.33	92.33
9.482	9.482 (1.043)	97	758342			34.63- 94.63	64.63
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	1152897	50.0000	42.599	80.00- 120.00	100.00
10.007	10.007 (1.100)	62	802750			39.63- 99.63	69.63
10.007	10.007 (1.100)	41	735220			33.77- 93.77	63.77
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	890633	50.0000	46.076	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	740846			53.18- 113.18	83.18
10.228	10.228 (1.125)	57	228486			0.00- 30.00	25.65
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1910331	50.0000	44.723	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	1196659			32.64- 92.64	62.64
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	1530250	50.0000	46.462	80.00- 120.00	100.00
11.500	11.500 (1.264)	77	479316			1.32- 61.32	31.32
11.500	11.500 (1.264)	39	982630			34.21- 94.21	64.21
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	1428967	50.0000	44.077	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	3834116			0.00- 30.00	268.31
11.832	11.832 (1.301)	85	548056			0.00- 30.00	38.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2997117	50.0000	44.491	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1792270			29.80- 89.80	59.80
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1655418	50.0000	47.240	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	512424			0.95- 60.95	30.95
12.689	12.689 (0.879)	39	978268			29.09- 89.09	59.09
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	994218	50.0000	44.327	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	627584			33.12- 93.12	63.12
12.993	12.993 (0.900)	83	913490			61.88- 121.88	91.88
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	1144522	50.0000	44.100	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	933650			51.58- 111.58	81.58
13.021	13.021 (0.902)	131	881844			47.05- 107.05	77.05
114 2-Hexanone					CAS #: 591-78-6		
13.435	13.435 (0.931)	58	2187539	50.0000	47.420	80.00- 120.00	100.00
13.435	13.435 (0.931)	43	4265791			165.00- 225.00	195.00
13.435	13.435 (0.931)	100	373036			0.00- 30.00	17.05
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1535313	50.0000	46.038	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1187367			0.00- 30.00	77.34
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1737102	50.0000	44.225	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1624384			63.51- 123.51	93.51
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2388127	50.0000	44.481	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	720314			0.16- 60.16	30.16
14.486	14.486 (1.004)	77	1586984			36.45- 96.45	66.45
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	1339893	50.0000	44.364	80.00- 120.00	100.00
14.624	14.624 (1.013)	91	4326565			0.00- 30.00	322.90
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1711291	50.0000	43.803	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3502454			0.00- 30.00	204.67
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	1605500	50.0000	45.014	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)							
15.371	15.371 (1.065)	91	3367028			179.72- 239.72	209.72
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	3098457	50.0000	47.906	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1622593			22.37- 82.37	52.37
135 Bromoform					CAS #: 75-25-2		
15.647	15.647 (1.084)	173	1455885	50.0000	48.491	80.00- 120.00	100.00
15.647	15.647 (1.084)	171	759979			22.20- 82.20	52.20
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2674321	50.0000	45.496	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1707524			33.85- 93.85	63.85
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	5127434	50.0000	47.252	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1375694			0.00- 56.83	26.83
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	4881147	50.0000	43.291	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	2149229			0.00- 30.00	44.03
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	4052146	50.0000	43.743	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1642240			10.53- 70.53	40.53
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	2353606	50.0000	43.488	80.00- 120.00	100.00
17.362	17.362 (1.203)	148	1502279			0.00- 30.00	63.83
17.362	17.362 (1.203)	111	1015646			0.00- 30.00	43.15
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2829770	50.0000	41.090	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1794874			0.00- 30.00	63.43
17.445	17.445 (1.209)	111	1250906			0.00- 30.00	44.21
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	4007968	50.0000	47.356	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	752122			0.00- 30.00	18.77
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2324491	50.0000	39.880	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1490570			34.12- 94.12	64.12
17.804	17.804 (1.234)	111	1203033			21.75- 81.75	51.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	3112100	50.0000	40.764	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	3002330			66.47- 126.47	96.47
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1817762	50.0000	43.446	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	1147092			33.10- 93.10	63.10
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	6000943	50.0000	47.216	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1247251			0.00- 30.00	20.78
16.366	16.366 (1.134)	105	217471			0.00- 30.00	3.62
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	5032147	50.0000	43.292	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1149676			0.00- 30.00	22.85
15.841	15.841 (1.098)	51	624032			0.00- 30.00	12.40
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	4923805	50.0000	41.552	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	588218			0.00- 30.00	11.95
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	259064	50.0000	48.545	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	2032737			0.00- 30.00	784.65
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	1753463	50.0000	48.523	80.00- 120.00	100.00
2.846	2.846 (0.394)	57	1138578			0.00- 30.00	64.93
2.846	2.846 (0.394)	72	101268			0.00- 30.00	5.78
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.730	9.730 (1.349)	83	1860173	50.0000	48.029	80.00- 120.00	100.00
9.730	9.730 (1.349)	98	816043			0.00- 30.00	43.87
9.703	9.703 (1.345)	55	1849599			0.00- 30.00	99.43

Report Date: 08-Nov-2007 15:12

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110804.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 08-NOV-2007
Calibration Time: 13:09
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	403407	242044	564770	334517	-17.08
88 1,4-Difluorobenze	1662352	997411	2327293	1435973	-13.62
125 Chlorobenzene-d5	1165722	699433	1632011	1037372	-11.01

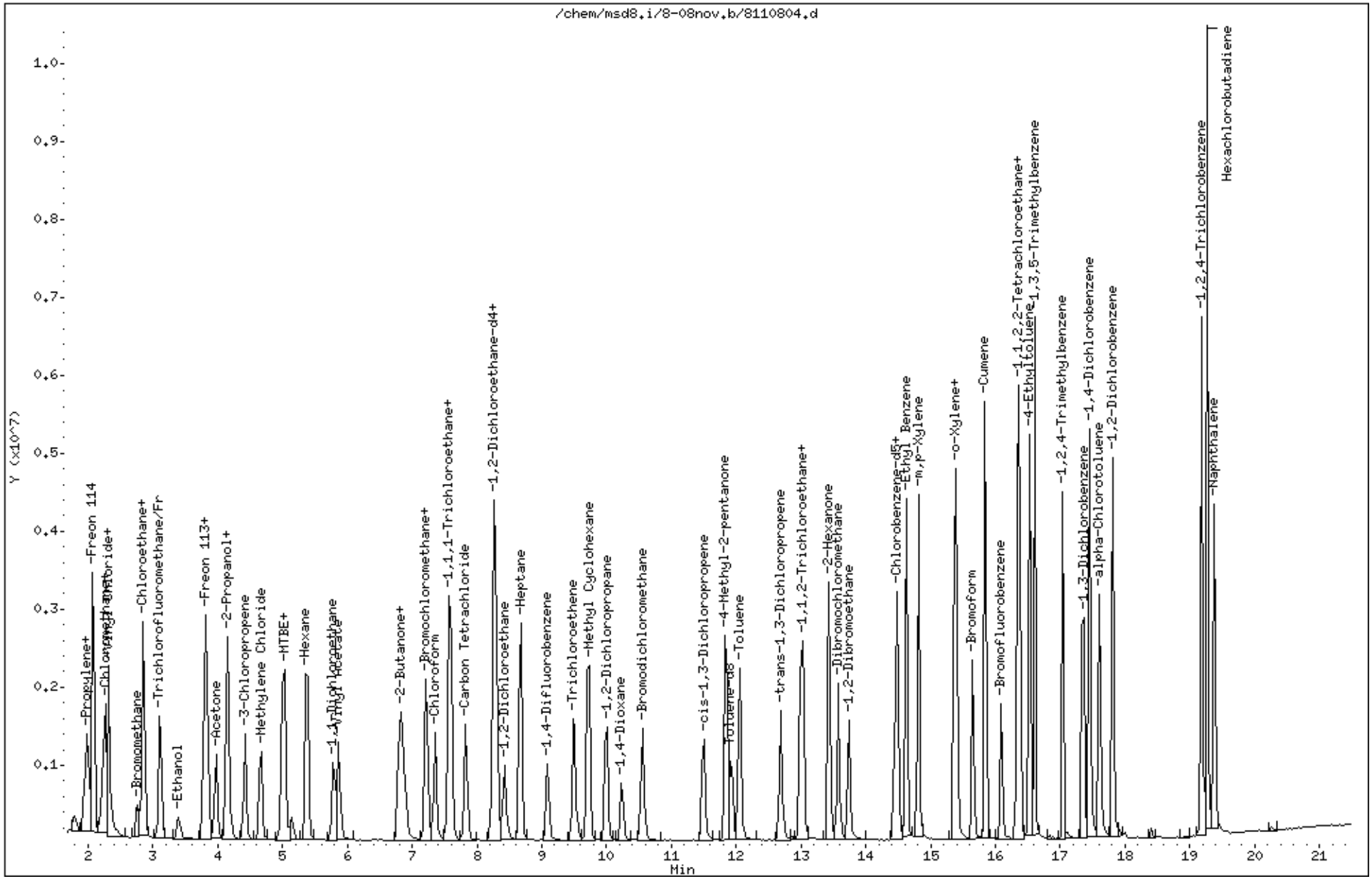
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.24	6.91	7.57	7.21	-0.38
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

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/msd8.i/8-08nov.b/8110804.d
Date : 08-NOV-2007 15:03
Client ID: CCV-1
Sample Info: 50mL #1576-93

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710683-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 01:36 PM**	

Compound	%Recovery
Freon 12	96
Freon 114	89
Vinyl Chloride	90
Bromomethane	96
Chloroethane	84
Freon 11	90
1,1-Dichloroethene	99
Freon 113	99
Methylene Chloride	93
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	88
Chloroform	86
1,1,1-Trichloroethane	97
Carbon Tetrachloride	89
Benzene	86
1,2-Dichloroethane	88
Trichloroethene	84
1,2-Dichloropropane	81
cis-1,3-Dichloropropene	86
Toluene	90
trans-1,3-Dichloropropene	83
1,1,2-Trichloroethane	87
Tetrachloroethene	86
1,2-Dibromoethane (EDB)	78
Chlorobenzene	83
Ethyl Benzene	83
m,p-Xylene	82
o-Xylene	84
Styrene	79
1,1,2,2-Tetrachloroethane	77
1,3,5-Trimethylbenzene	78
1,2,4-Trimethylbenzene	79
1,3-Dichlorobenzene	76
1,4-Dichlorobenzene	72
alpha-Chlorotoluene	78
1,2-Dichlorobenzene	71
1,3-Butadiene	84
Hexane	90
Cyclohexane	89

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710683-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8110803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/8/07 01:36 PM**	

Compound	%Recovery
Heptane	84
Bromodichloromethane	88
Dibromochloromethane	86
Cumene	83
Propylbenzene	88
Chloromethane	90
1,2,4-Trichlorobenzene	55 Q
Hexachlorobutadiene	70
Acetone	75
Carbon Disulfide	88
2-Propanol	63
trans-1,2-Dichloroethene	88
2-Butanone (Methyl Ethyl Ketone)	63
Tetrahydrofuran	68
1,4-Dioxane	70
4-Methyl-2-pentanone	60
2-Hexanone	57 Q
Bromoform	88
4-Ethyltoluene	86
Ethanol	76
Methyl tert-butyl ether	142 Q
3-Chloropropene	93
2,2,4-Trimethylpentane	89
Naphthalene	80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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

Report Date: 08-Nov-2007 15:13

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-08nov
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: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	39.491	78.98	70-130
108 trans-1,3-Dichloro	50.000	41.559	83.12	70-130
3 Propylene	50.000	47.832	95.66	60-140
4 Dichlorodifluorome	50.000	47.816	95.63	70-130
6 Freon 114	50.000	44.448	88.90	70-130
8 Chloromethane	50.000	45.091	90.18	70-130
11 Vinyl Chloride	50.000	44.943	89.89	70-130
10 1,3-Butadiene	50.000	42.244	84.49	60-140
13 Bromomethane	50.000	48.127	96.25	70-130
16 Chloroethane	50.000	42.224	84.45	70-130
18 Trichlorofluoromet	50.000	45.174	90.35	70-130
23 Ethanol	50.000	38.002	76.00	60-140
28 Freon 113	50.000	49.582	99.16	70-130
29 1,1-Dichloroethene	50.000	49.365	98.73	70-130
30 Acetone	50.000	37.539	75.08	60-140
33 Carbon Disulfide	50.000	44.252	88.50	60-140
34 2-Propanol	50.000	31.719	63.44	60-140
40 Methylene Chloride	50.000	46.388	92.78	70-130
43 MTBE	50.000	70.874	141.75*	60-140
45 trans-1,2-Dichloro	50.000	43.796	87.59	60-140
46 Hexane	50.000	45.220	90.44	60-140
54 1,1-Dichloroethane	50.000	47.628	95.26	70-130
55 Vinyl Acetate	50.000	49.248	98.50	60-140
64 cis-1,2-Dichloroet	50.000	43.805	87.61	70-130
65 2-Butanone	50.000	31.745	63.49	60-140
67 Tetrahydrofuran	50.000	33.777	67.55	60-140
70 Chloroform	50.000	43.146	86.29	70-130
73 Cyclohexane	50.000	44.596	89.19	60-140
75 1,1,1-Trichloroeth	50.000	48.556	97.11	70-130
77 Carbon Tetrachlori	50.000	44.606	89.21	70-130
81 Benzene	50.000	42.863	85.73	70-130
83 1,2-Dichloroethane	50.000	43.903	87.81	70-130
85 Heptane	50.000	42.015	84.03	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	41.930	83.86	70-130
97 1,2-Dichloropropan	50.000	40.629	81.26	70-130
98 1,4-Dioxane	50.000	35.043	70.09	60-140
100 Bromodichlorometha	50.000	43.794	87.59	60-140
102 cis-1,3-Dichloropr	50.000	42.840	85.68	70-130
103 4-Methyl-2-pentano	50.000	29.874	59.75*	60-140
105 Toluene	50.000	45.289	90.58	70-130
110 1,1,2-Trichloroeth	50.000	43.465	86.93	70-130
112 Tetrachloroethene	50.000	43.266	86.53	70-130
114 2-Hexanone	50.000	28.532	57.06*	60-140
116 Dibromochlorometha	50.000	43.298	86.60	60-140
117 1,2-Dibromoethane	50.000	39.170	78.34	70-130
126 Chlorobenzene	50.000	41.362	82.72	70-130
129 Ethyl Benzene	50.000	41.668	83.34	70-130
130 m,p-Xylene	50.000	41.042	82.08	70-130
132 o-Xylene	50.000	41.808	83.62	70-130
135 Bromoform	50.000	43.994	87.99	60-140
144 1,1,2,2-Tetrachlor	50.000	38.539	77.08	70-130
147 4-Ethyltoluene	50.000	42.925	85.85	60-140
148 1,3,5-Trimethylben	50.000	39.293	78.59	70-130
153 1,2,4-Trimethylben	50.000	39.382	78.76	70-130
156 1,3-Dichlorobenzen	50.000	37.974	75.95	70-130
157 1,4-Dichlorobenzen	50.000	36.018	72.04	70-130
158 alpha-Chlorotoluen	50.000	39.220	78.44	70-130
161 1,2-Dichlorobenzen	50.000	35.491	70.98	70-130
167 1,2,4-Trichloroben	50.000	27.744	55.49*	70-130
168 Hexachlorobutadien	50.000	34.844	69.69*	70-130
137 Cumene	50.000	41.436	82.87	60-140
145 Propylbenzene	50.000	44.197	88.39	60-140
37 3-Chloropropene	50.000	46.594	93.19	60-140
80 2,2,4-Trimethylpen	50.000	44.510	89.02	60-140
169 Naphthalene	50.000	40.080	80.16	60-140
9 Butane	50.000	47.086	94.17	70-130
15 Isopentane	50.000	45.421	90.84	70-130
95 Methyl Cyclohexane	50.000	46.369	92.74	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.794	99.18	70-130
$ 104 Toluene-d8	25.000	23.934	95.73	70-130
$ 140 Bromofluorobenzene	25.000	25.069	100.27	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-08nov.b/8110803.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 08-NOV-2007 13:36
Operator : cb Inst ID: msd8.i
Smp Info : 50mL#1443-345
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Meth Date : 08-Nov-2007 15:12 cbond Quant Type: ISTD
Cal Date : 07-NOV-2007 16:52 Cal File: 8110711.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	331309	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	250308			51.82- 111.82	75.55
7.214	7.214 (1.000)	49	690439			189.80- 249.80	208.40
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1387970	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	245602			0.00- 48.33	17.70
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	1007069	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	665202			0.00- 30.00	66.05
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	562439	24.7946	24.794	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	316205			0.00- 30.00	56.22
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1225196	23.9336	23.934	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	140769			0.00- 30.00	11.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	873025			0.00- 30.00	71.26
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	594569	25.0686	25.069	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	909661			129.91- 189.91	153.00
16.090	16.090 (1.115)	176	549391			67.49- 127.49	92.40
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	935583	47.8320	47.832	80.00- 120.00	100.00
1.933	1.933 (0.268)	42	624228			0.00- 30.00	66.72
1.933	1.933 (0.268)	39	647329			0.00- 30.00	69.19
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	1956885	47.8165	47.816	80.00- 120.00	100.00
1.989	1.989 (0.276)	87	611022			0.00- 30.00	31.22
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	1481458	44.4482	44.448	80.00- 120.00	100.00
2.072	2.072 (0.287)	137	466850			1.51- 61.51	31.51
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	1051971	45.0914	45.091	80.00- 120.00	100.00
2.210	2.210 (0.306)	52	320155			0.00- 30.00	30.43
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	1053876	44.9432	44.943	80.00- 120.00	100.00
2.348	2.348 (0.325)	64	321068			0.00- 30.00	30.47
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.320 (0.322)	54	948962	42.2442	42.244	80.00- 120.00	100.00
2.321	2.320 (0.322)	39	927892			0.00- 30.00	97.78
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	753995	48.1266	48.127	80.00- 120.00	100.00
2.763	2.763 (0.383)	96	685257			65.19- 125.19	90.88
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	573216	42.2238	42.224	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	164839			0.00- 30.00	28.76
2.846	2.846 (0.394)	66	168564			0.00- 30.00	29.41
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	2160852	45.1743	45.174	80.00- 120.00	100.00
3.095	3.095 (0.429)	103	1375541			34.68- 94.68	63.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	493864	38.0020	38.002	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	94133			0.00- 30.00	19.06
3.399	3.399 (0.471)	46	189048			0.00- 30.00	38.28
28 Freon 113					CAS #: 76-13-1		
3.814	3.813 (0.529)	151	1341178	49.5817	49.582	80.00- 120.00	100.00
3.814	3.813 (0.529)	153	859632			34.55- 94.55	64.10
3.814	3.813 (0.529)	101	1925479			111.20- 171.20	143.57
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1771646	49.3652	49.365	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	933408			26.23- 86.23	52.69
3.841	3.841 (0.532)	98	592145			4.79- 64.79	33.42
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	607828	37.5392	37.539	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	1931541			0.00- 30.00	317.78
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	2261359	31.7190	31.719	80.00- 120.00	100.00
4.145	4.145 (0.575)	43	455967			0.00- 30.00	20.16
4.145	4.145 (0.575)	59	79250			0.00- 30.00	3.50
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	2809287	44.2523	44.252	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	456480	46.5943	46.594	80.00- 120.00	100.00
4.422	4.422 (0.613)	41	1730159			0.00- 30.00	379.02
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1445983	46.3876	46.388	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	846868			30.22- 90.22	58.57
4.671	4.671 (0.647)	51	431838			0.00- 30.00	29.86
43 MTBE					CAS #: 1634-04-4		
5.003	5.002 (0.693)	73	1996533	70.8743	70.874	80.00- 120.00	100.00(R)
5.003	5.002 (0.693)	57	562382			0.00- 58.42	28.17
5.003	5.002 (0.693)	41	553341			0.00- 30.00	27.72
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	992583	43.7962	43.796	80.00- 120.00	100.00
5.030	5.030 (0.697)	61	1630820			138.72- 198.72	164.30
5.030	5.030 (0.697)	98	597611			0.00- 30.00	60.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.390	5.389 (0.747)	57	2094900	45.2203	45.220	80.00- 120.00	100.00
5.362	5.362 (0.743)	43	1369595			0.00- 30.00	65.38
5.390	5.389 (0.747)	86	291200			0.00- 30.00	13.90
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	2001815	47.6275	47.628	80.00- 120.00	100.00
5.777	5.777 (0.801)	65	582149			0.57- 60.57	29.08
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	253543	49.2484	49.248	80.00- 120.00	100.00
5.860	5.860 (0.812)	43	3331704			0.00- 30.00	1314.06
5.860	5.860 (0.812)	42	242686			0.00- 30.00	95.72
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	473158	31.7450	31.745	80.00- 120.00	100.00
6.855	6.855 (0.950)	43	2555624			647.22- 707.22	540.12
6.855	6.855 (0.950)	57	193100			0.00- 30.00	40.81
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1397815	43.8049	43.805	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	937447			34.72- 94.72	67.07
6.800	6.800 (0.942)	98	601372			10.62- 70.62	43.02
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1426303	33.7773	33.777	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	424325			0.00- 59.27	29.75
7.214	7.214 (1.000)	72	457157			0.00- 30.00	32.05
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1818455	43.1457	43.146	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	1158700			33.78- 93.78	63.72
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.601 (1.054)	97	1807171	48.5563	48.556	80.00- 120.00	100.00
7.602	7.601 (1.054)	99	1126814			34.00- 94.00	62.35
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1397408	44.5957	44.596	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1965482			113.29- 173.29	140.65
7.574	7.574 (1.050)	41	1073714			48.85- 108.85	76.84
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1520529	44.6062	44.606	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1614059			74.07- 134.07	106.15

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		
8.293	8.293 (1.149)	57	5982340	44.5103	44.510	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1846427			0.00- 30.00	30.86
8.293	8.293 (1.149)	41	1529634			0.00- 30.00	25.57
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	2871791	42.8627	42.863	80.00- 120.00	100.00
8.237	8.237 (0.906)	77	657325			0.00- 30.00	22.89
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1385693	43.9033	43.903	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	417420			0.00- 30.00	30.12
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	321943	42.0146	42.015	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2224894			0.00- 30.00	691.08
8.680	8.680 (0.954)	71	994152			0.00- 30.00	308.80
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	1108489	41.9301	41.930	80.00- 120.00	100.00
9.482	9.482 (1.043)	130	1013536			62.33- 122.33	91.43
9.482	9.482 (1.043)	97	694493			34.63- 94.63	62.65
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	1062818	40.6287	40.629	80.00- 120.00	100.00
10.007	10.007 (1.100)	62	734812			39.63- 99.63	69.14
10.007	10.007 (1.100)	41	693467			33.77- 93.77	65.25
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	654729	35.0428	35.043	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	519144			53.18- 113.18	79.29
10.228	10.228 (1.125)	57	162779			0.00- 30.00	24.86
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1808156	43.7946	43.794	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	1142802			32.64- 92.64	63.20
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	1363792	42.8396	42.840	80.00- 120.00	100.00
11.500	11.500 (1.264)	77	421636			1.32- 61.32	30.92
11.500	11.500 (1.264)	39	883899			34.21- 94.21	64.81
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	936123	29.8738	29.874	80.00- 120.00	100.00(R)
11.832	11.832 (1.301)	43	2523670			0.00- 30.00	269.59
11.832	11.832 (1.301)	85	354926			0.00- 30.00	37.91

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2948878	45.2890	45.289	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1732220			29.80- 89.80	58.74
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1413813	41.5591	41.559	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	447357			0.95- 60.95	31.64
12.689	12.689 (0.879)	39	854620			29.09- 89.09	60.45
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	946400	43.4648	43.465	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	575593			33.12- 93.12	60.82
12.993	12.993 (0.900)	83	830383			61.88- 121.88	87.74
112 Tetrachloroethene					CAS #: 127-18-4		
13.048	13.048 (0.904)	166	1090080	43.2663	43.266	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	884228			51.58- 111.58	81.12
13.021	13.021 (0.902)	131	863340			47.05- 107.05	79.20
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.435 (0.931)	58	1277735	28.5317	28.532	80.00- 120.00	100.00(R)
13.436	13.435 (0.931)	43	2475141			165.00- 225.00	193.71
13.436	13.435 (0.931)	100	212975			0.00- 30.00	16.67
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1401773	43.2986	43.298	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1099484			0.00- 30.00	78.44
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1493607	39.1702	39.170	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1371586			63.51- 123.51	91.83
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2155777	41.3619	41.362	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	692257			0.16- 60.16	32.11
14.486	14.486 (1.004)	77	1468284			36.45- 96.45	68.11
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.624 (1.013)	106	1221702	41.6678	41.668	80.00- 120.00	100.00
14.625	14.624 (1.013)	91	3895305			0.00- 30.00	318.84
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1556566	41.0417	41.042	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3153234			0.00- 30.00	202.58
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	1447595	41.8078	41.808	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)							
15.371	15.371 (1.065)	91	3149767			179.72- 239.72	217.59
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	2479608	39.4914	39.491	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1356943			22.37- 82.37	54.72
135 Bromoform					CAS #: 75-25-2		
15.648	15.647 (1.084)	173	1282261	43.9937	43.994	80.00- 120.00	100.00
15.648	15.647 (1.084)	171	685533			22.20- 82.20	53.46
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2199193	38.5389	38.539	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1401687			33.85- 93.85	63.74
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	4521808	42.9246	42.925	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1225928			0.00- 56.83	27.11
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	4300960	39.2934	39.293	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	1833673			0.00- 30.00	42.63
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	3541628	39.3824	39.382	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1455314			10.53- 70.53	41.09
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	1995169	37.9741	37.974	80.00- 120.00	100.00
17.362	17.362 (1.203)	148	1245986			0.00- 30.00	62.45
17.362	17.362 (1.203)	111	876808			0.00- 30.00	43.95
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2408022	36.0184	36.018	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1502900			0.00- 30.00	62.41
17.445	17.445 (1.209)	111	1074820			0.00- 30.00	44.63
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	3222413	39.2196	39.220	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	597843			0.00- 30.00	18.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2008248	35.4908	35.491	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1231409			34.12- 94.12	61.32
17.804	17.804 (1.234)	111	966774			21.75- 81.75	48.14

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	2056244	27.7444	27.744	80.00- 120.00	100.00(R)
19.187	19.187 (1.330)	182	1961137			66.47- 126.47	95.37
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1415274	34.8445	34.844	80.00- 120.00	100.00(R)
19.270	19.270 (1.335)	223	892123			33.10- 93.10	63.04
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	5453147	44.1966	44.197	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1129534			0.00- 30.00	20.71
16.366	16.366 (1.134)	105	190624			0.00- 30.00	3.50
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	4675685	41.4360	41.436	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1097163			0.00- 30.00	23.47
15.841	15.841 (1.098)	51	576618			0.00- 30.00	12.33
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	4610633	40.0799	40.080	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	566351			0.00- 30.00	12.28
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	248866	47.0857	47.086	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1879515			0.00- 30.00	755.23
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	1625617	45.4211	45.421	80.00- 120.00	100.00
2.846	2.846 (0.394)	57	1042790			0.00- 30.00	64.15
2.846	2.846 (0.394)	72	96820			0.00- 30.00	5.96
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.731	9.730 (1.349)	83	1778658	46.3692	46.369	80.00- 120.00	100.00
9.731	9.730 (1.349)	98	789275			0.00- 30.00	44.37
9.703	9.703 (1.345)	55	1758199			0.00- 30.00	98.85

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 08-Nov-2007 15:13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8110803.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd8.i/8-08nov.b/t14qn07a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 08-NOV-2007
Calibration Time: 15:03
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	334517	200710	468324	331309	-0.96
88 1,4-Difluorobenze	1435973	861584	2010362	1387970	-3.34
125 Chlorobenzene-d5	1037372	622423	1452321	1007069	-2.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

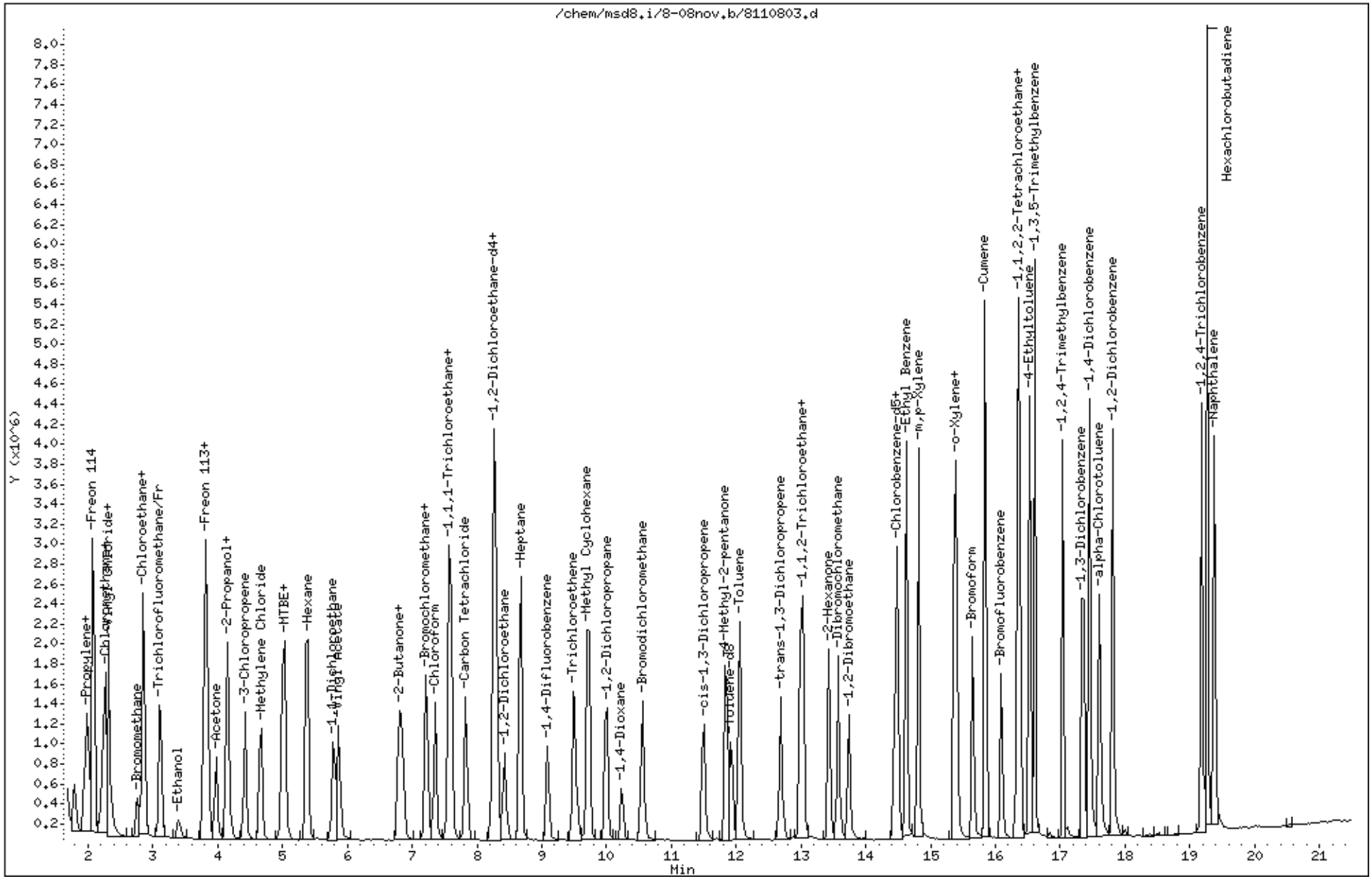
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0162

Data File: /chem/msd8.i/8-08nov.b/8110803.d
Date : 08-NOV-2007 13:36
Client ID: LCS-1
Sample Info: 50mL#1443-345

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



@ Air Toxics Ltd.

MSD-8

Logbook #: 1587

0163

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	24.64
75	30.0 – 60.0% of mass 95	52.16
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.39
173	Less than 2.0% of mass 174	(1.02)[1]
174	Greater than 50.0% of mass 95	53.76
175	5.0 – 9.0% of mass 174	(7.18)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.86)[1]
177	5.0 – 9.0% of mass 176	(6.43)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 11/8/07

BFB Injection Time: 1249

BFB File ID: 8110801

Tekmar Purge Flow: ——— 11-8-07 CT

Vacuum:

IS/S Std.#: 1576-43		Exp. Date: 1-15-08
BCM	334517	
1,4-DFB	1435973	
CB-d5	1037372	

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

Verify 176/174 m/z Ratio: 576832 / 601792 x 100 = 95.85

NOAH Cart #: 10/14 **File #:** F110608 / 8110807

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 581390\ )}{(\ 334517\ )} \times \frac{(\ 25\ )}{(\ 1.71169\ )} =$ 25.384

Reported Result 25.384

File ID:	8110804
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	✓	8110801	BFB Tune Check	1476-60	50mg	2uL	1.00	11/8/07	1249	CT	
2	X	02	CCV-1 (200ppbv)	1576-93	50ppbv	50mL			1309	CT	
3	✓	03	LCS-1 (200ppbv)	1443-345	↓	↓			1336	CT	
4	✓	04	CCV-1 (200ppbv)	1576-93	50ppbv	50mL			1503	CT	short list only %RE>40%
5	✓	05	Lab Blank	13673	Humid	200mL			1551	CT	cert cart 8 Leg 6
6	✓	06	Lab Blank	↓	↓	↓	↓	↓	1654	DM	cert cart 14 Leg 8
7	✓	07	Lab Blank	13673	Humid	200mL	1.00				Not Loaded 11/8/07 CT
8	✓	8110807	0710650A-04A	34499	3.5"Hg→5psig	4.0mL	76.9	11/8/07	1746	DM	

C Taylor
Signature

11-8-07
Date

9	✓	8110808	0710650A-06A	33358	5.5%Hg→5psi	200mL	1.64	11/8/07	1819	Bm	
10	✓	09	↓ -04AA	34499	3.5%Hg→5psi	4.0mL	76.0		1857	Bm	
11	✓	10	0710657 -01A	33929	6.0%Hg→5psi	200mL	1.68		2032	Bm	fo
12	✓	11	↓ 02A	4260					2115	Bm	
13	✓	12	0710644 -01A	419					2157	Bm	
14	✓	13	↓ 02A	4340					2239	Bm	
15	✓	14	0710683 -01A	4204					2322	Bm	
16	✓	15	↓ 02A	12715	6.5%Hg→5psi		1.71	11/9/07	0004	Bm	out of 14 day hold
17	✓	16	0711115 -01A	1LBag	Tedlar	3.0mL	66.7		0042	Bm	
18	✓	17	0710679 -01AA	2124	6.0%Hg→15psi	5.0mL	83.6		0112	Bm	
19	X	18	↓ 01AA	↓	↓	↓	↓		0142	Bm	RR @ 15mL
20	X	19	01A			15mL	27.9		0509	fo	↓
21	X	20	01AA			15mL	↓		0544	fo	
22	✓	21	-01AA	2124	7.0%Hg→15psi	45mL	24.5	↓	0852	CB	
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

11-9 CJ

Comments:

11-9-07 CJ

C Taylor
Signature

11-9-07
Date

Air Toxics Ltd.

Data file : /chem/msd8.i/8-07nov.b/8110701.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 07-NOV-2007 11:54
Operator : ct Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-60
Comment :
Method : /var/chem/msd8.i/8-07nov.b/bfb30.m
Meth Date : 07-Nov-2007 11:45 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	2.00000	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	
3.610	3.748	-0.138	95	1502208			100.00- 100.00	100.00
3.610	3.748	-0.138	50	297472			15.00- 40.00	19.80
3.610	3.748	-0.138	75	704512			30.00- 60.00	46.90
3.610	3.748	-0.138	96	97152			5.00- 9.00	6.47
3.610	3.748	-0.138	173	12219			0.00- 2.00	0.96
3.610	3.748	-0.138	174	1277440			50.00- 100.00	85.04
3.610	3.748	-0.138	175	94024			5.00- 9.00	7.36
3.610	3.748	-0.138	176	1216512			95.00- 101.00	95.23
3.610	3.748	-0.138	177	76472			5.00- 9.00	6.29

Data File: /chem/msd8.i/8-07nov.b/8110701.d

Date : 07-NOV-2007 11:54

Client ID: BFB

Instrument: msd8.i

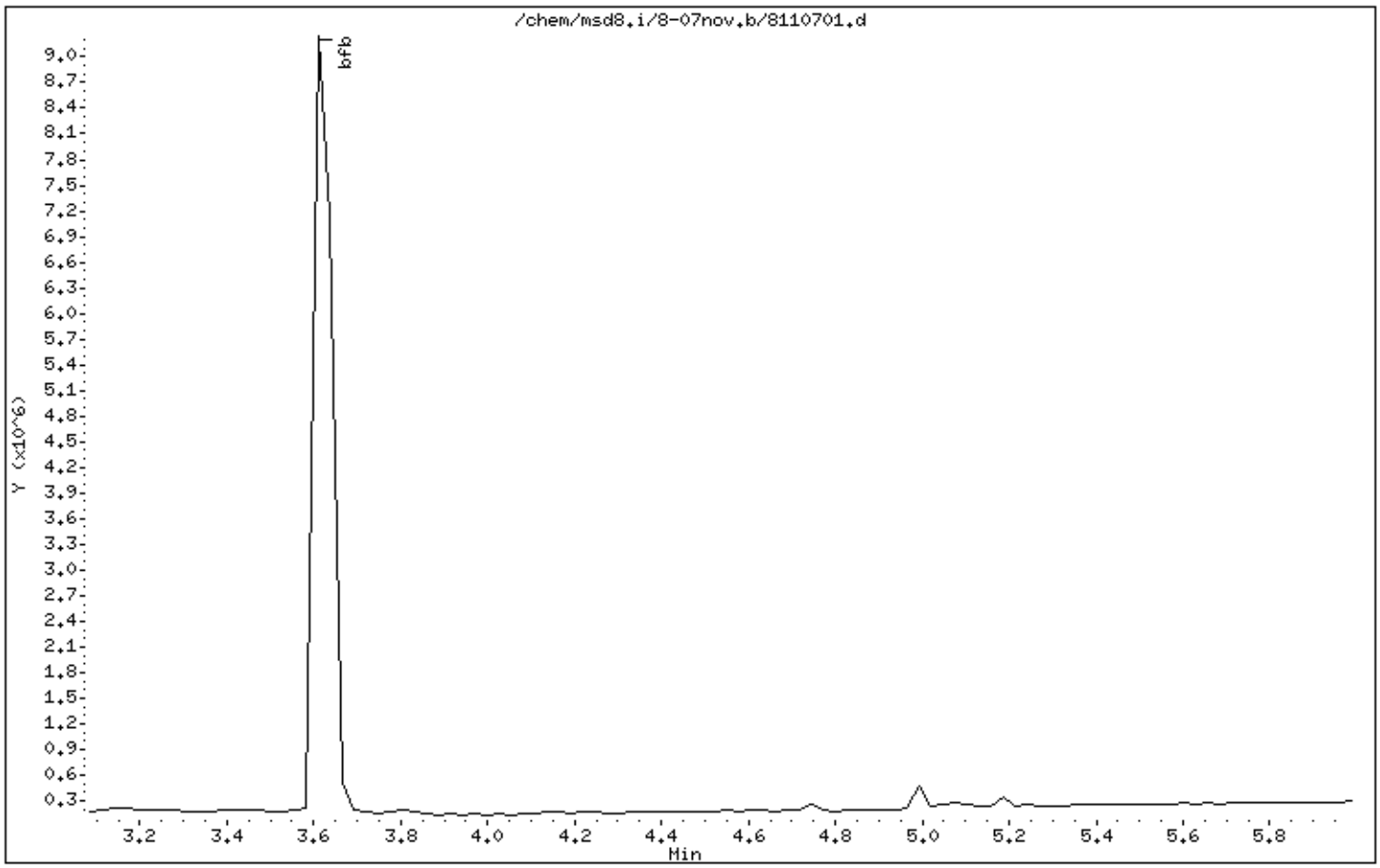
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53



Data File: /chem/msd8.i/8-07nov.b/8110701.d

Date : 07-NOV-2007 11:54

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

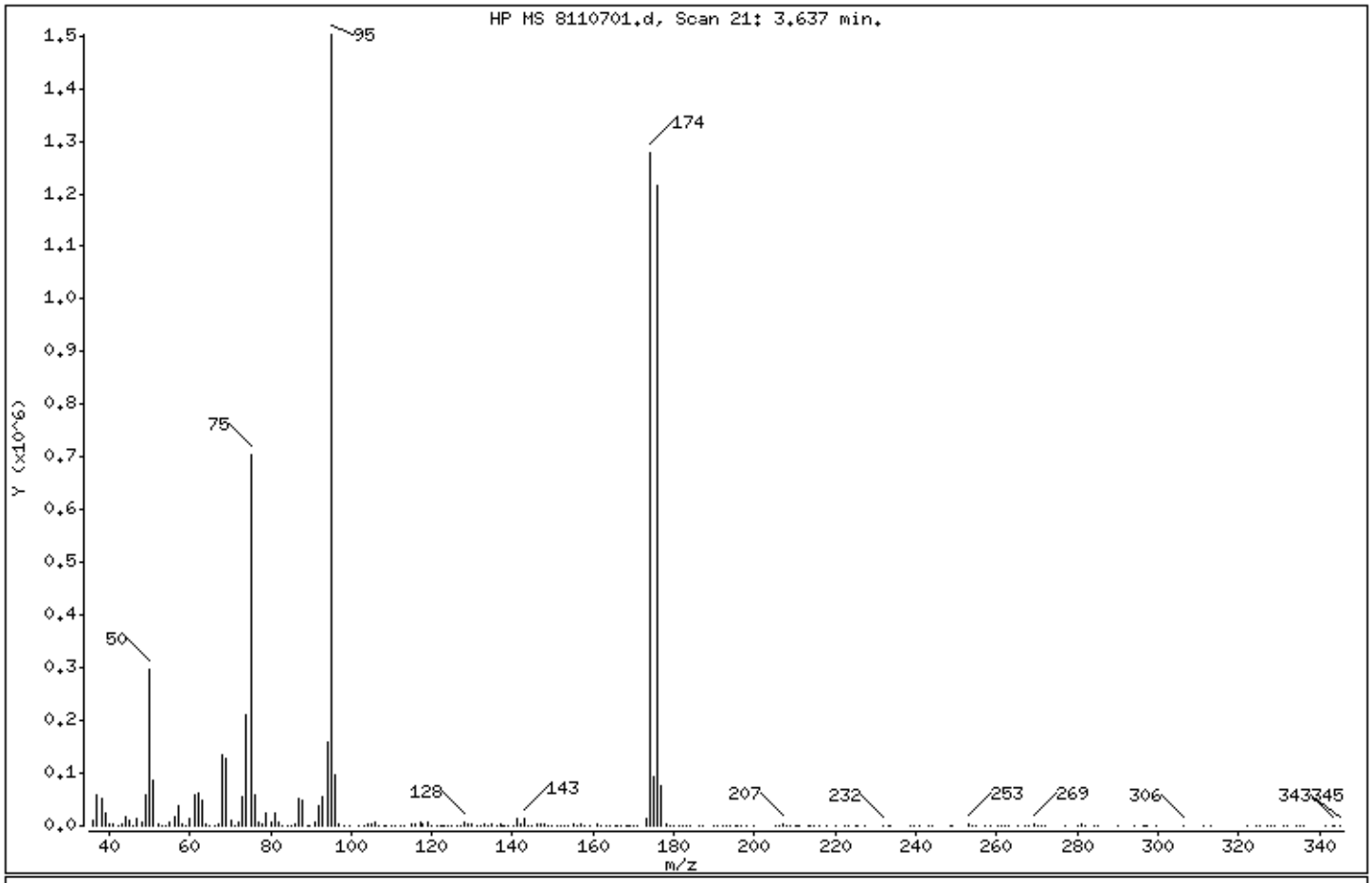
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

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	19.80
75	30.00 - 60.00% of mass 95	46.90
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.81 (0.96)
174	50.00 - 100.00% of mass 95	85.04
175	5.00 - 9.00% of mass 174	6.26 (7.36)
176	95.00 - 101.00% of mass 174	80.98 (95.23)
177	5.00 - 9.00% of mass 176	5.09 (6.29)

Data File: /chem/msd8.i/8-07nov.b/8110701.d

Date : 07-NOV-2007 11:54

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

Data File: 8110701.d
Spectrum: HP MS 8110701.d, Scan 21: 3.637 min.
Location of Maximum: 95.10
Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	11023	96.10	97152	155.00	2923	232.00	1239
37.10	58168	97.00	2701	156.10	957	233.10	362
38.10	52400	98.20	600	157.00	2016	233.80	231
39.10	22712	99.50	217	157.90	471	238.80	220
40.10	3271	102.10	589	159.10	1521	239.70	206
41.00	2522	103.10	704	161.00	1889	241.00	309
42.10	1435	104.00	3817	162.00	516	243.30	241
43.10	3665	105.00	2286	163.10	834	243.90	271
44.00	16001	106.00	5297	164.10	662	248.60	226
45.10	12056	107.00	1342	165.30	451	249.20	221
46.10	886	108.20	273	165.80	354	253.10	1754
47.00	14853	108.80	426	167.00	370	254.00	688
48.10	6865	110.10	574	168.10	573	254.90	297
49.10	57208	111.00	1036	168.80	646	256.90	210
50.10	297472	112.10	645	169.10	624	258.30	237
51.10	87256	113.10	843	170.10	1300	260.10	1368
52.10	4153	115.10	1812	170.80	892	261.00	618
53.10	682	116.00	3556	173.00	12219	262.00	463
54.10	791	117.00	6967	174.00	1277440	262.80	291
55.00	5358	117.90	4730	175.00	94024	265.10	277
56.10	18040	119.00	6501	176.00	1216512	267.00	355
57.10	38456	120.00	523	177.00	76472	268.10	491
58.00	1759	121.10	296	178.00	1986	269.10	3946
59.10	759	122.00	688	179.00	400	270.00	1073
60.10	13211	122.70	387	179.80	504	271.10	420
61.10	60056	123.30	420	181.10	314	272.10	363
62.10	63464	123.90	726	182.00	653	277.10	284
63.10	47992	125.00	962	182.90	215	280.20	225
64.10	4782	126.10	817	184.00	493	281.00	1885
65.00	681	127.10	1378	186.20	361	282.10	312
66.10	478	128.00	8573	187.00	274	284.20	210
67.10	3823	129.00	2116	190.00	281	285.00	270
68.10	134720	130.00	5162	190.90	1130	290.10	311
69.00	128328	131.00	1354	192.00	202	294.20	342
70.10	10234	131.90	886	192.90	859	296.40	218

Data File: /chem/msd8.i/8-07nov.b/8110701.d

Date : 07-NOV-2007 11:54

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

Data File: 8110701.d
Spectrum: HP MS 8110701.d, Scan 21: 3.637 min.
Location of Maximum: 95.10
Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.10	1267	133.10	2256	194.10	299	296.90	224
72.10	6904	133.80	458	195.20	463	297.30	264
73.10	56136	134.10	415	195.80	216	299.50	300
74.10	211328	135.00	3476	196.70	254	306.10	711
75.10	704512	136.10	718	198.20	222	311.10	253
76.10	57928	137.00	1830	199.60	205	312.90	212
77.00	8142	137.70	271	205.10	561	322.00	247
78.00	5075	138.20	359	206.10	360	324.30	203
79.00	23096	138.80	587	207.00	3859	325.10	297
80.00	7176	139.10	608	208.10	1006	327.10	658
81.00	25048	140.10	1182	209.00	499	327.90	614
82.00	6314	141.00	12723	210.10	286	329.00	243
83.10	1489	141.90	2082	210.50	226	330.90	357
84.30	703	142.90	13733	211.00	218	331.90	245
85.00	868	144.00	1319	213.50	239	334.10	594
86.10	2144	144.90	1308	213.90	218	335.30	200
87.00	52768	146.00	2413	214.70	304	336.00	317
88.00	50048	147.00	2142	216.10	221	341.30	274
89.10	924	148.00	3167	217.90	219	343.10	1074
89.70	291	149.00	1240	220.10	237	343.90	450
91.00	5280	149.90	1513	222.20	204	345.00	529
92.00	37848	151.00	1036	223.10	385		
93.00	56760	152.00	1174	224.90	313		
94.10	157952	153.00	1147	225.50	268		
95.10	1502208	154.00	1207	227.10	294		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-08nov.b/8110801.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 08-NOV-2007 12:49
Operator : cb Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-60
Comment :
Method : /var/chem/msd8.i/8-08nov.b/bfb30.m
Meth Date : 02-Nov-2007 11:52 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	2.00000	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		
3.610	3.748	-0.138	95	1119360			100.00- 100.00	100.00
3.610	3.748	-0.138	50	275830			15.00- 40.00	24.64
3.610	3.748	-0.138	75	583806			30.00- 60.00	52.16
3.610	3.748	-0.138	96	71529			5.00- 9.00	6.39
3.610	3.748	-0.138	173	6137			0.00- 2.00	1.02
3.610	3.748	-0.138	174	601804			50.00- 100.00	53.76
3.610	3.748	-0.138	175	43199			5.00- 9.00	7.18
3.610	3.748	-0.138	176	576873			95.00- 101.00	95.86
3.610	3.748	-0.138	177	37075			5.00- 9.00	6.43

Data File: /var/chem/msd8.i/8-08nov.b/8110801.d

Page 1

Date : 08-NOV-2007 12:49

Client ID: BFB

Instrument: msd8.i

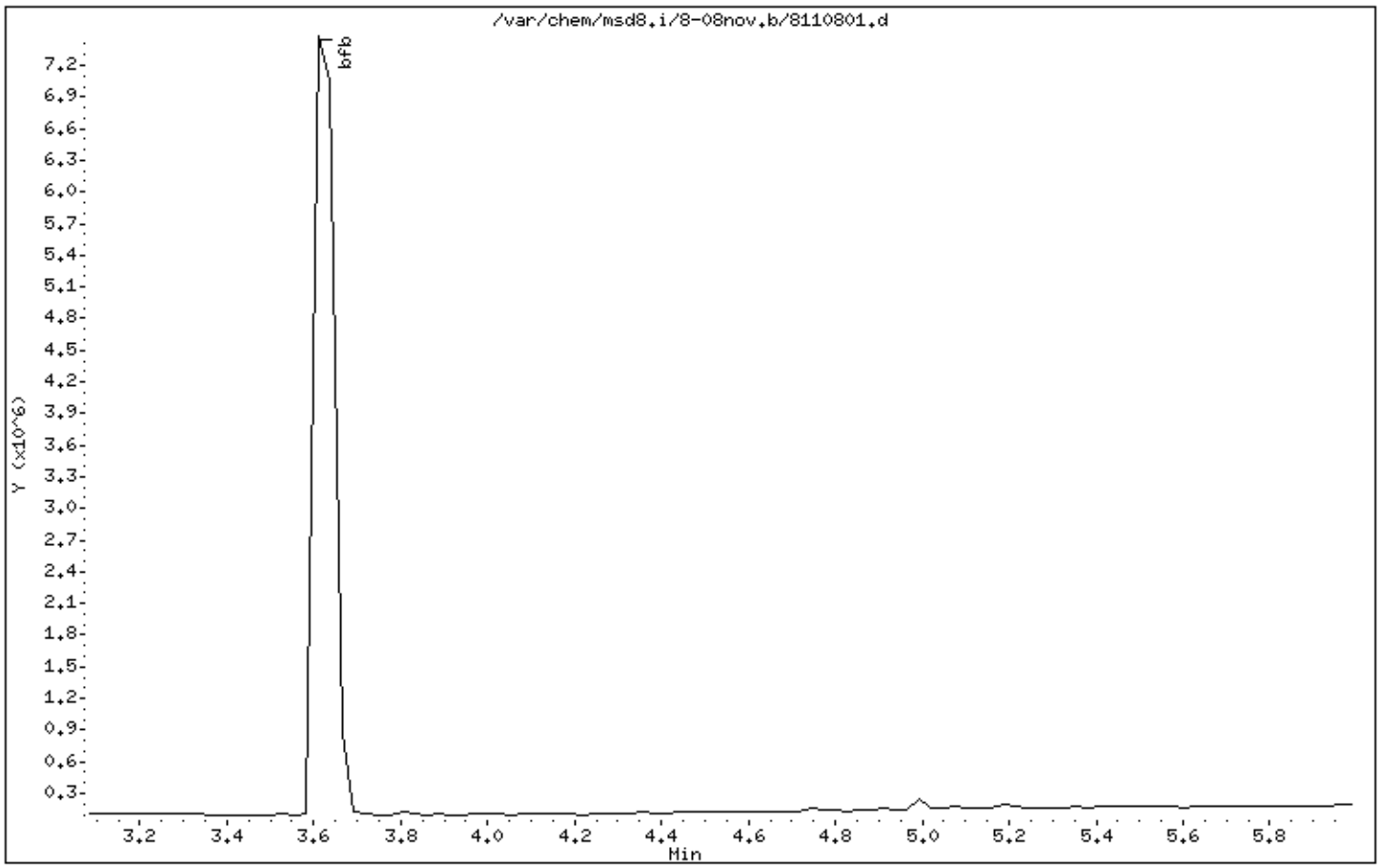
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-08nov.b/8110801.d

Date : 08-NOV-2007 12:49

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

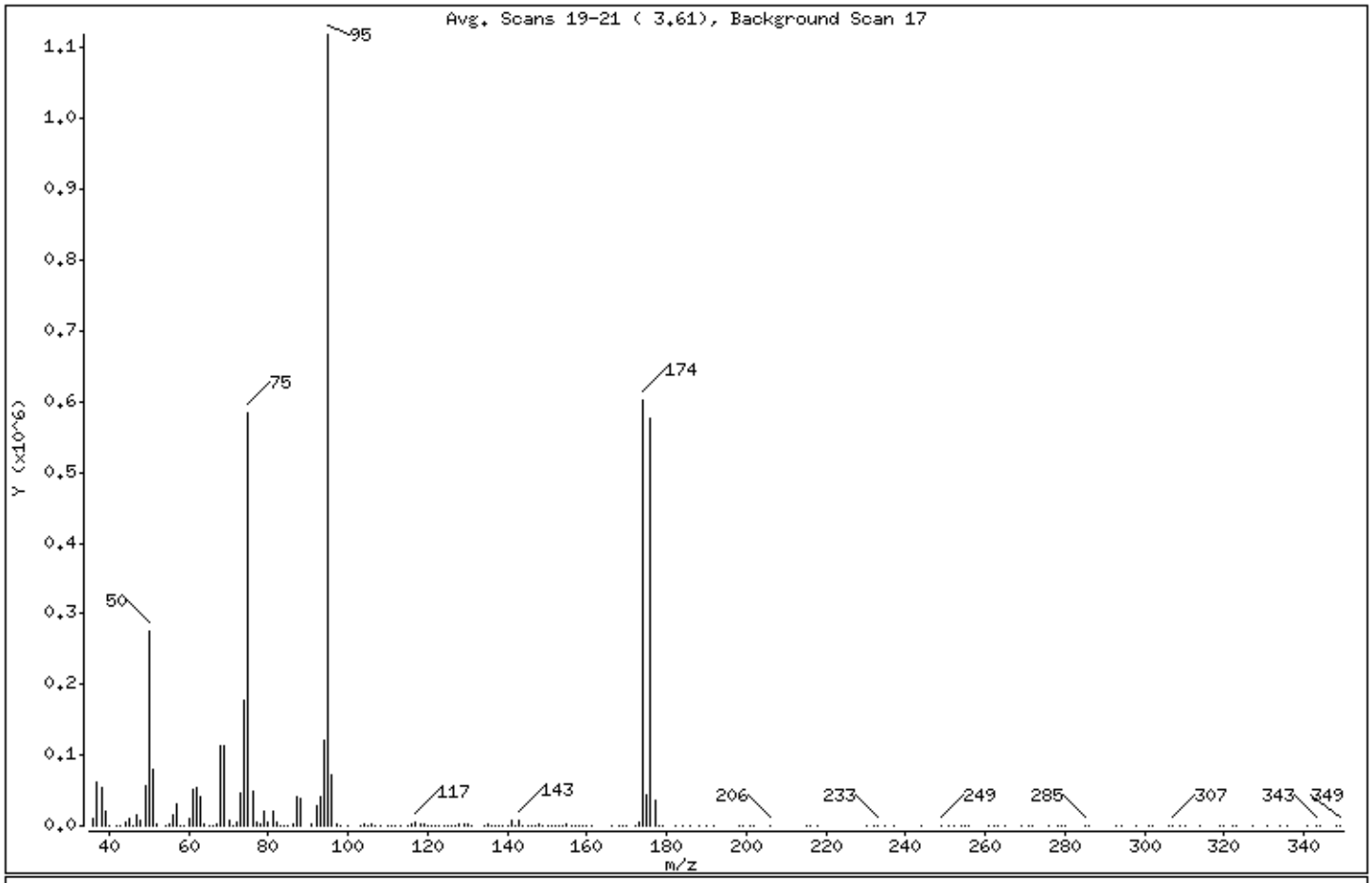
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

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	24.64
75	30.00 - 60.00% of mass 95	52.16
96	5.00 - 9.00% of mass 95	6.39
173	Less than 2.00% of mass 174	0.55 (1.02)
174	50.00 - 100.00% of mass 95	53.76
175	5.00 - 9.00% of mass 174	3.86 (7.18)
176	95.00 - 101.00% of mass 174	51.54 (95.86)
177	5.00 - 9.00% of mass 176	3.31 (6.43)

Data File: /var/chem/msd8.i/8-08nov.b/8110801.d

Date : 08-NOV-2007 12:49

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 8110801.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10650	86.00	1375	143.00	8337	235.00	92
37.00	60544	87.00	41352	144.00	645	237.00	111
38.00	52776	88.00	39744	145.00	727	244.00	81
39.00	20120	91.00	3155	146.00	678	249.00	358
40.00	551	92.00	27848	147.00	331	251.00	139
42.00	179	93.00	41632	148.00	1554	252.00	72
43.00	753	94.00	120944	149.00	423	254.00	84
44.00	5656	95.00	1119232	150.00	681	255.00	262
45.00	10286	96.00	71528	151.00	338	256.00	78
46.00	548	97.00	2286	152.00	431	261.00	139
47.00	16696	98.00	254	153.00	61	262.00	106
48.00	7250	100.00	75	154.00	517	263.00	105
49.00	55352	103.00	445	155.00	2187	265.00	73
50.00	275776	104.00	3178	156.00	151	269.00	191
51.00	80696	105.00	1000	157.00	984	271.00	187
52.00	3462	106.00	3373	158.00	52	272.00	143
54.00	163	107.00	744	159.00	826	276.00	74
55.00	3051	108.00	167	160.00	292	278.00	90
56.00	16367	110.00	470	161.00	555	279.00	73
57.00	31256	111.00	638	166.00	422	280.00	174
58.00	491	112.00	143	168.00	265	285.00	252
59.00	187	113.00	166	169.00	621	286.00	87
60.00	10222	115.00	903	170.00	892	293.00	74
61.00	52600	116.00	2285	172.00	1233	294.00	80
62.00	54360	117.00	3973	173.00	6137	298.00	71
63.00	40768	118.00	2463	174.00	601792	301.00	71
64.00	3549	119.00	3474	175.00	43192	302.00	67
65.00	342	120.00	146	176.00	576832	306.00	11
66.00	76	121.00	58	177.00	37072	307.00	195
67.00	2029	122.00	432	178.00	754	309.00	154
68.00	113432	123.00	241	179.00	115	310.00	80
69.00	114216	124.00	485	182.00	223	314.00	74
70.00	7648	125.00	288	184.00	74	319.00	150
71.00	86	126.00	651	186.00	213	320.00	72
72.00	5424	127.00	590	188.00	70	322.00	111

Date : 08-NOV-2007 12:49

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: cb

Column phase: Column diameter: 0.53

Data File: 8110801.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	45584	128.00	2206	190.00	150	323.00	165
74.00	178048	129.00	1533	192.00	108	327.00	169
75.00	583744	130.00	2470	198.00	193	331.00	70
76.00	49848	131.00	843	199.00	206	334.00	355
77.00	5358	134.00	85	201.00	197	336.00	216
78.00	3280	135.00	1450	202.00	108	341.00	165
79.00	19488	136.00	444	206.00	278	343.00	602
80.00	5755	137.00	991	215.00	114	344.00	165
81.00	20536	138.00	243	216.00	165	348.00	67
82.00	3949	139.00	414	218.00	265	349.00	80
83.00	292	140.00	493	230.00	83		
84.00	433	141.00	7478	232.00	245		
85.00	191	142.00	1187	233.00	282		

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 #: 0710683
# of pages (Including Cover): 1

11/13/2007

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no 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.

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

0177

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

Project Info:

P.O. #

Project # 061140 - 8 - 1703

Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:

[X] Normal

[ ] Rush _____

Specify RS 10/30/07

Lab I.D.	Field Sample I.D. (canister)	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	UW AMS 1 4204	10/25/07 0630/1430	TO-15 + Naphthalene	-30	-10	6.0"Hg
02A	DW AMS 5 12715	10/25/07 0630/1430	TO-15 + Naphthalene	-29.5	-7.5	6.5"Hg

Relinquished By: (Signature) Date/Time: Thomas R Taylor 10/25/07 1430

Received By: (Signature) Date/Time: A Scott ATL 10/29/07 0830

Relinquished By: (Signature) Date/Time:

Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:

Received By: (Signature) Date/Time:

Notes: used flow controllers included

Initial and final can pressures in inches Hg\

Send Data Pack to Lisa McDonough and EDD to datagroup@geiconsultatns.com

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8829 1904 5824	AS	NA	good	Yes No (None)	071068 3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0710683

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: 11/12/07
Date Completed: 11/9/07
Date Received: 10/29/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 554.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UW AMS 1	Modified TO-15	10/25/2007	6.0 "Hg	$225.00
02A	DW AMS 5	Modified TO-15	10/25/2007	6.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges 6 Liter Summa Canister (2) @ $50.00 each. $100.00
Fuel Surcharge (2) @ $2.00 each. $4.00

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

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
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	

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0710663

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.
	☑	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
N/A	☐	☐	☐	☐	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)
	☑	☐		TICs resemble reference spectra
	☑	☐		TICs between duplicate samples are consistent
N/A	☑	☐	☑	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☑		☑	Special units for all samples in the final report are correctly calculated
	☑	☐	☑	Manually entered results checked (i.e. special CCV compounds)
	☑	☐	☑	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
	☑		☑	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: 3 out in CCV (EtOH, 2,2,4-TMP ↑ >40% ot bj Naph; naph ↓) / 4 out in LCS (EtOH, 2,2,4-TMP ↑; 1,2,4-TCB, naph ↓)

M/Q: _____

A (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
UR 11/8/07	R: NK 11/9/07	11/9/07	
	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