
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 #: 0707553

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	37
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	38	45
b. Surrogate Recover Summary Form (If Applicable)	46	46
c. Internal Standard Summary Form (If Applicable)	47	47
d. Duplicate Results Summary Sheet	48	49
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	50	132
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	133	146
i. Second Source LCS(Summary + Raw Data)	147	160
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	161	162
l. GC/MS Tune (Results + Raw Data)	163	178
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	179	180
b. Chain-of-Custody Records	181	181
c. Sample Log-In Sheet	182	182
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	183	183
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	--	--
c. Manual Calculations	--	--
d. Canister Dilution Factors	184	186
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	187	188
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	189	189

Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	8/16/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707553

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 Bay Shore OU1 South Perimeter Air
DATE RECEIVED:	07/31/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/13/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	UW AMS3	Modified TO-15	9.0 "Hg
01AA	UW AMS3 Lab Duplicate	Modified TO-15	9.0 "Hg
02A	DW-AMS6	Modified TO-15	9.5 "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: 08/13/07

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# 0707553

Two 6 Liter Summa Canister samples were received on July 31, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

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

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
UW AMS3	0707553-01A	7/27/2007	7/31/2007	NA	14	8/10/2007	NA	Good
UW AMS3 Lab Duplicate	0707553-01AA	7/27/2007	7/31/2007	NA	14	8/10/2007	NA	Good
DW-AMS6	0707553-02A	7/27/2007	7/31/2007	NA	14	8/10/2007	NA	Good
Lab Blank	0707553-03A	NA	NA	NA	NA	8/10/2007	NA	Good
CCV	0707553-04A	NA	NA	NA	NA	8/10/2007	NA	Good
LCS	0707553-05A	NA	NA	NA	NA	8/10/2007	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 AMS3

Lab ID#: 0707553-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.8	16	9.1	38
2-Butanone (Methyl Ethyl Ketone)	0.96	1.6	2.8	4.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS3

Lab ID#: 0707553-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081010**	**Date of Collection:**	**7/27/07**
Dil. Factor:	**1.91**	**Date of Analysis:**	**8/10/07 03:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	Not Detected	2.5	Not Detected
Freon 11	0.96	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
Methylene Chloride	0.96	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
Toluene	0.96	Not Detected	3.6	Not Detected
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	Not Detected	6.5	Not Detected
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS3

Lab ID#: 0707553-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081010**	**Date of Collection: 7/27/07**	
Dil. Factor:	**1.91**	**Date of Analysis: 8/10/07 03:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	16	9.1	38
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	1.6	2.8	4.7
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	95	70-130

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AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081010.d
Lab Smp Id: 0707553-01A
Inj Date : 10-AUG-2007 15:48
Operator : cb Inst ID: msd1.i
Smp Info : 200mL #34188
Misc Info : 9.0"Hg --> 5psi
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1
Dil Factor: 1.91000
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

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	365655	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	283533			27.54- 127.54	77.54
12.724	12.724 (1.000)	49	795319			252.03- 352.03	217.51
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1303658	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	199284			0.00- 65.92	15.29
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1129958	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	631337			4.35- 104.35	55.87
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.803 (1.085)	65	594980	24.5882	24.588	80.00- 120.00	100.00
13.802	13.803 (1.085)	67	281324			2.32- 102.32	47.28
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1181436	25.3125	25.312	80.00- 120.00	100.00
17.148	17.120 (1.183)	70	140356			0.00- 61.39	11.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	826508			21.82- 121.82	69.96
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.849 (1.105)	174	597399	23.7393	23.739	80.00- 120.00	100.00
21.848	21.849 (1.105)	95	936566			103.65- 203.65	156.77
21.848	21.849 (1.105)	176	573272			43.38- 143.38	95.96
46 Acetone					CAS #: 67-64-1		
8.991	8.992 (0.707)	58	164677	8.34327	15.936	80.00- 120.00	100.00
8.991	8.992 (0.707)	43	461553			218.71- 318.71	280.28
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	10537	0.82907	1.584	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	53801			444.05- 544.05	510.59
12.254	12.254 (0.963)	57	6100			0.00- 97.87	57.89

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081010.d
Lab Smp Id: 0707553-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.0"Hg --> 5psi

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	365655	-8.12
96 1,4-Difluorobenze	1420779	852467	1989091	1303658	-8.24
125 Chlorobenzene-d5	1233589	740153	1727025	1129958	-8.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-10aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707553-01A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.0"Hg --> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.588	98.35	70-130
$ 113 Toluene-d8	25.000	25.312	101.25	70-130
$ 137 Bromofluorobenzene	25.000	23.739	94.96	70-130

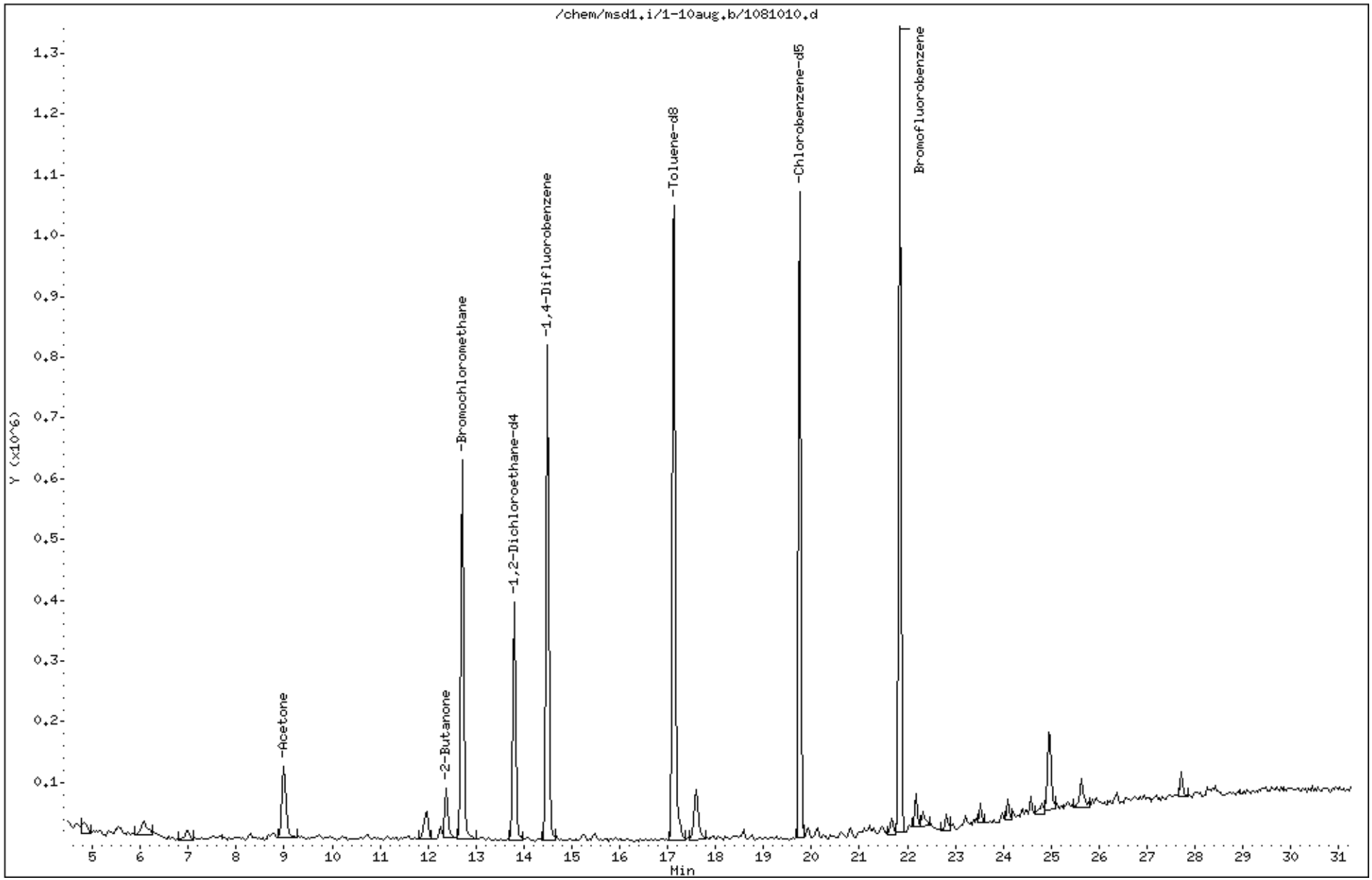
0013

Data File: /chem/msd1.i/1-10aug.b/1081010.d
Date : 10-AUG-2007 15:48
Client ID:
Sample Info: 200mL #34188

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-10aug.b/1081010.d

Date : 10-AUG-2007 15:48

Client ID:

Instrument: msd1.i

Sample Info: 200mL #34188

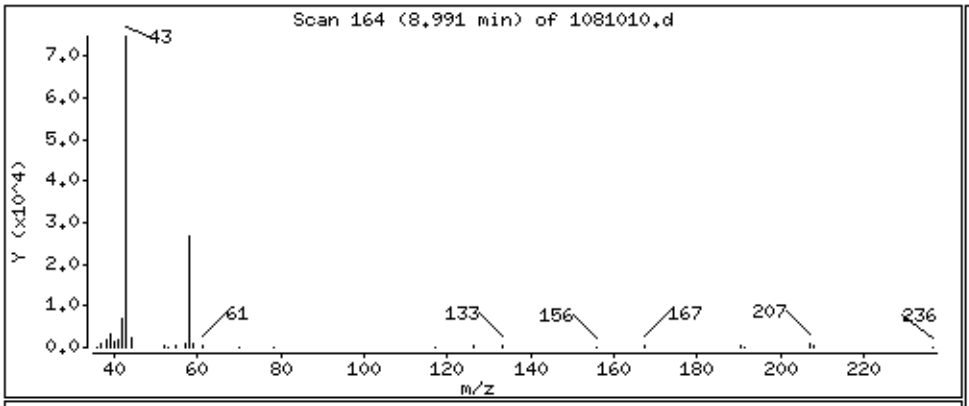
Operator: cb

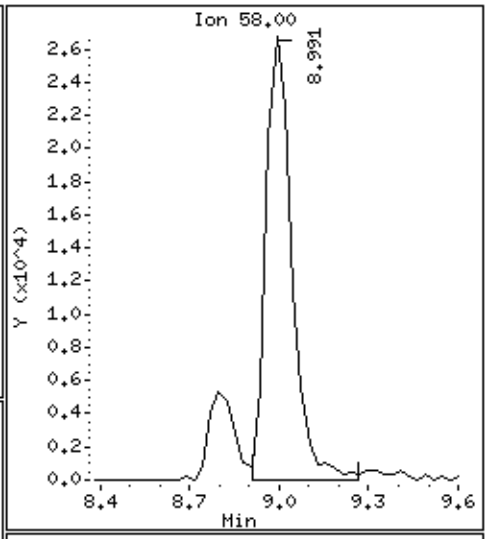
Column phase: RTx-624

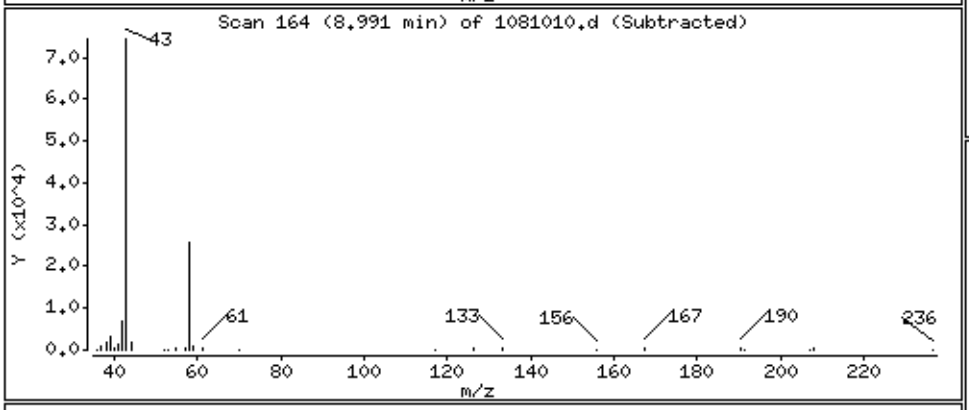
Column diameter: 0.53

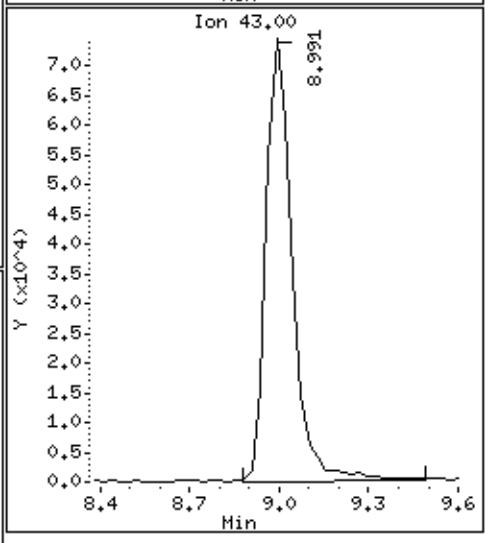
46 Acetone

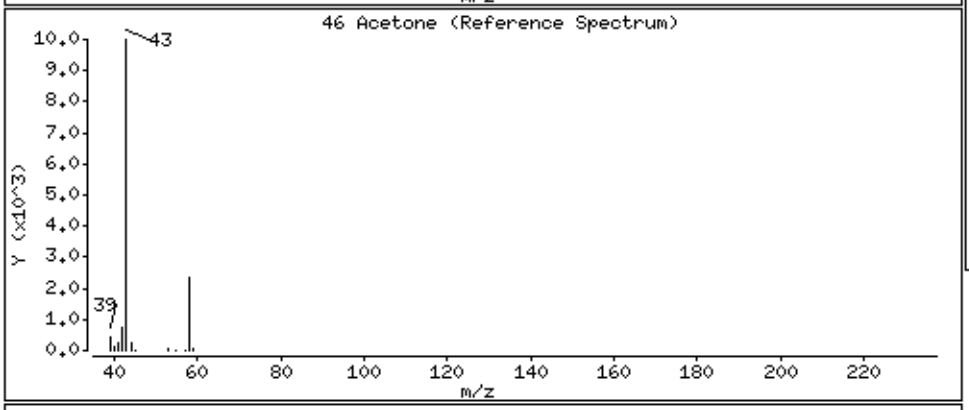
Concentration: 15.936 PPBV

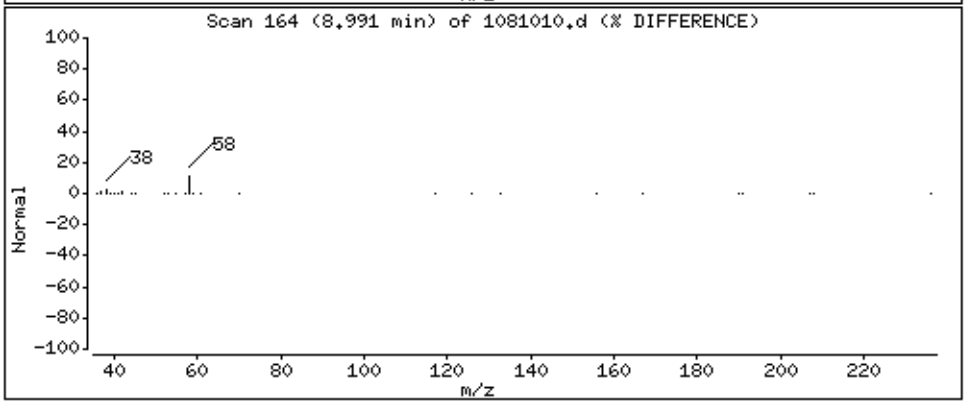












Data File: /chem/msd1.i/1-10aug.b/1081010.d

Date : 10-AUG-2007 15:48

Client ID:

Instrument: msd1.i

Sample Info: 200mL #34188

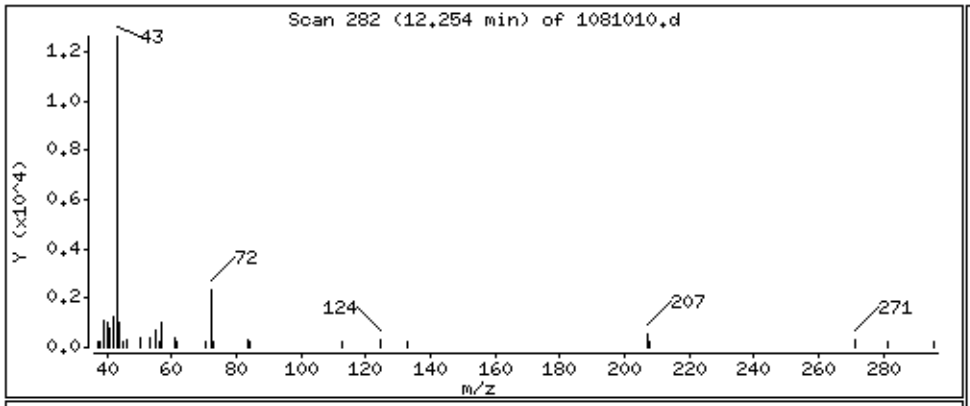
Operator: cb

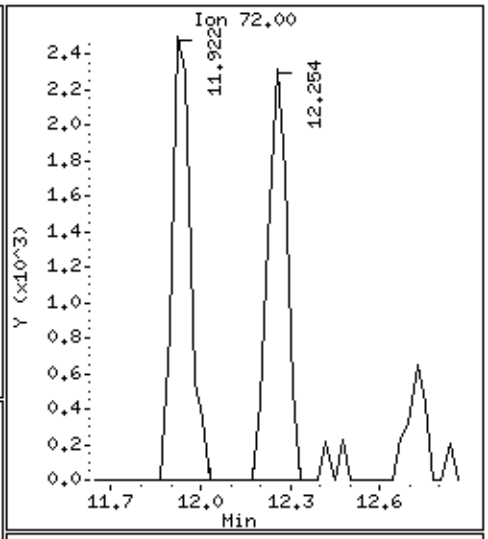
Column phase: RTx-624

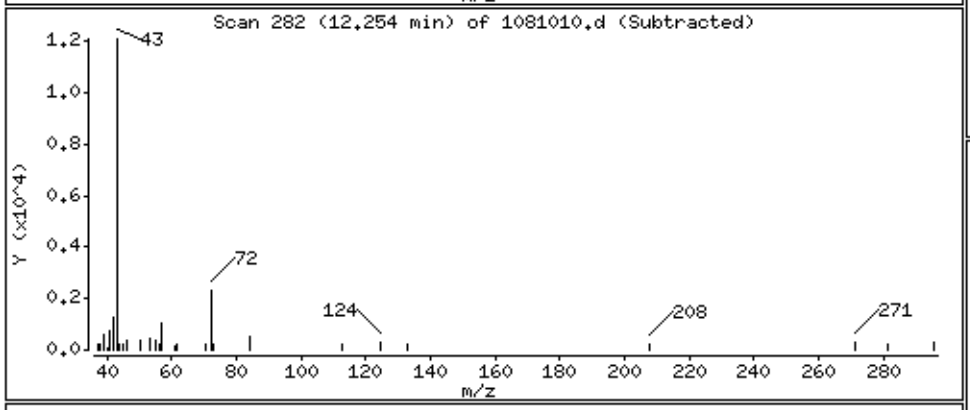
Column diameter: 0.53

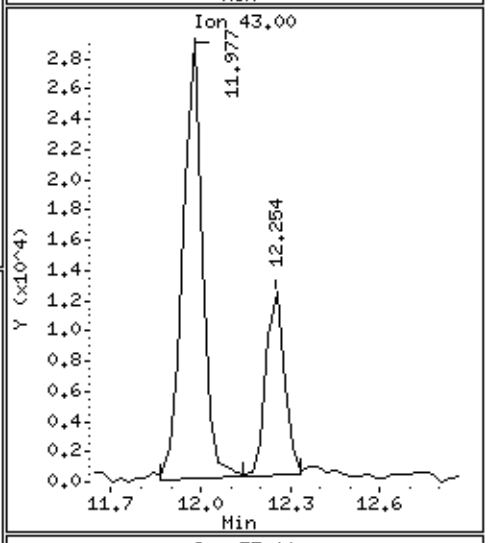
75 2-Butanone

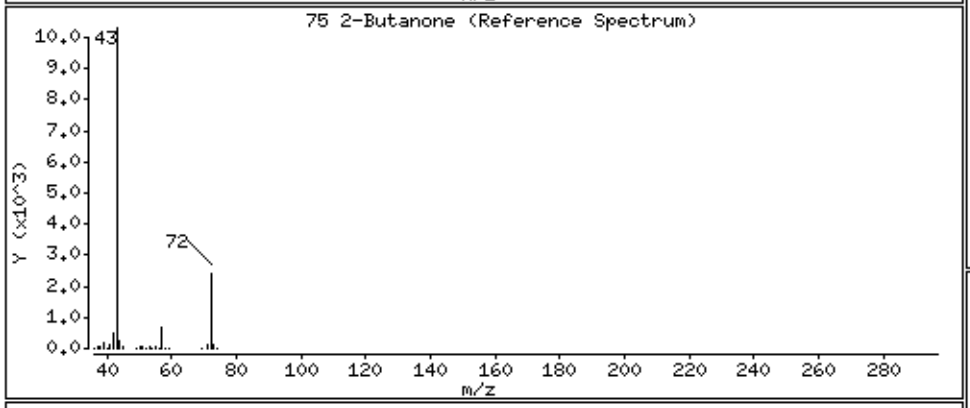
Concentration: 1.584 PPBV

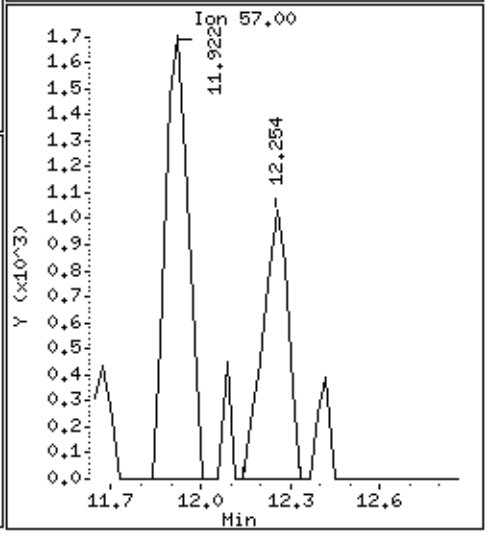


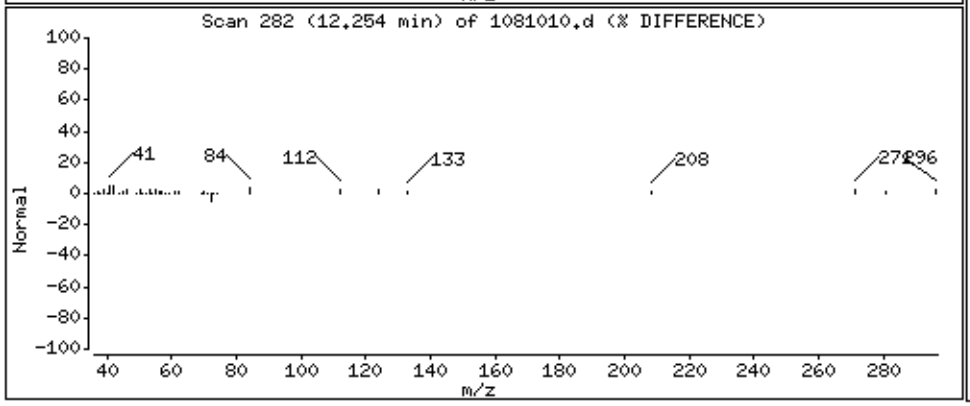












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS3 Lab Duplicate

Lab ID#: 0707553-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.8	16	9.1	37
2-Butanone (Methyl Ethyl Ketone)	0.96	1.5	2.8	4.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS3 Lab Duplicate

Lab ID#: 0707553-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081011**	**Date of Collection:**	**7/27/07**
Dil. Factor:	**1.91**	**Date of Analysis:**	**8/10/07 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	Not Detected	2.5	Not Detected
Freon 11	0.96	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
Methylene Chloride	0.96	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
Toluene	0.96	Not Detected	3.6	Not Detected
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	Not Detected	6.5	Not Detected
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS3 Lab Duplicate

Lab ID#: 0707553-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081011**	**Date of Collection: 7/27/07**	
Dil. Factor:	**1.91**	**Date of Analysis: 8/10/07 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	16	9.1	37
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	1.5	2.8	4.4
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081011.d
Lab Smp Id: 0707553-01AA
Inj Date : 10-AUG-2007 16:31
Operator : cb Inst ID: msd1.i
Smp Info : 200mL #34188
Misc Info : 9.0"Hg --> 5psi
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1
Dil Factor: 1.91000
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
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	362842	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	290056			27.54- 127.54	79.94
12.724	12.724 (1.000)	49	788113			252.03- 352.03	217.21
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1291983	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	196782			0.00- 65.92	15.23
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1121538	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	628953			4.35- 104.35	56.08
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.803 (1.085)	65	597178	24.8704	24.870	80.00- 120.00	100.00
13.802	13.803 (1.085)	67	282137			2.32- 102.32	47.25
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.120	17.148 (1.181)	98	1047353	22.6425	22.642	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	136157			0.00- 61.39	13.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	820529			21.82- 121.82	78.34
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.849 (1.105)	174	632834	25.3362	25.336	80.00- 120.00	100.00
21.848	21.849 (1.105)	95	949473			103.65- 203.65	150.04
21.848	21.849 (1.105)	176	584908			43.38- 143.38	92.43
46 Acetone					CAS #: 67-64-1		
8.991	8.992 (0.707)	58	159886	8.16334	15.592	80.00- 120.00	100.00
8.991	8.992 (0.707)	43	453220			218.71- 318.71	283.46
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	9932	0.78753	1.504	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	68520			444.05- 544.05	689.89
12.254	12.254 (0.963)	57	4261			0.00- 97.87	42.90

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081011.d
Lab Smp Id: 0707553-01AA
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.0"Hg --> 5psi

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	362842	-8.83
96 1,4-Difluorobenze	1420779	852467	1989091	1291983	-9.07
125 Chlorobenzene-d5	1233589	740153	1727025	1121538	-9.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-10aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707553-01AA
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.0"Hg --> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.870	99.48	70-130
$ 113 Toluene-d8	25.000	22.642	90.57	70-130
$ 137 Bromofluorobenzene	25.000	25.336	101.34	70-130

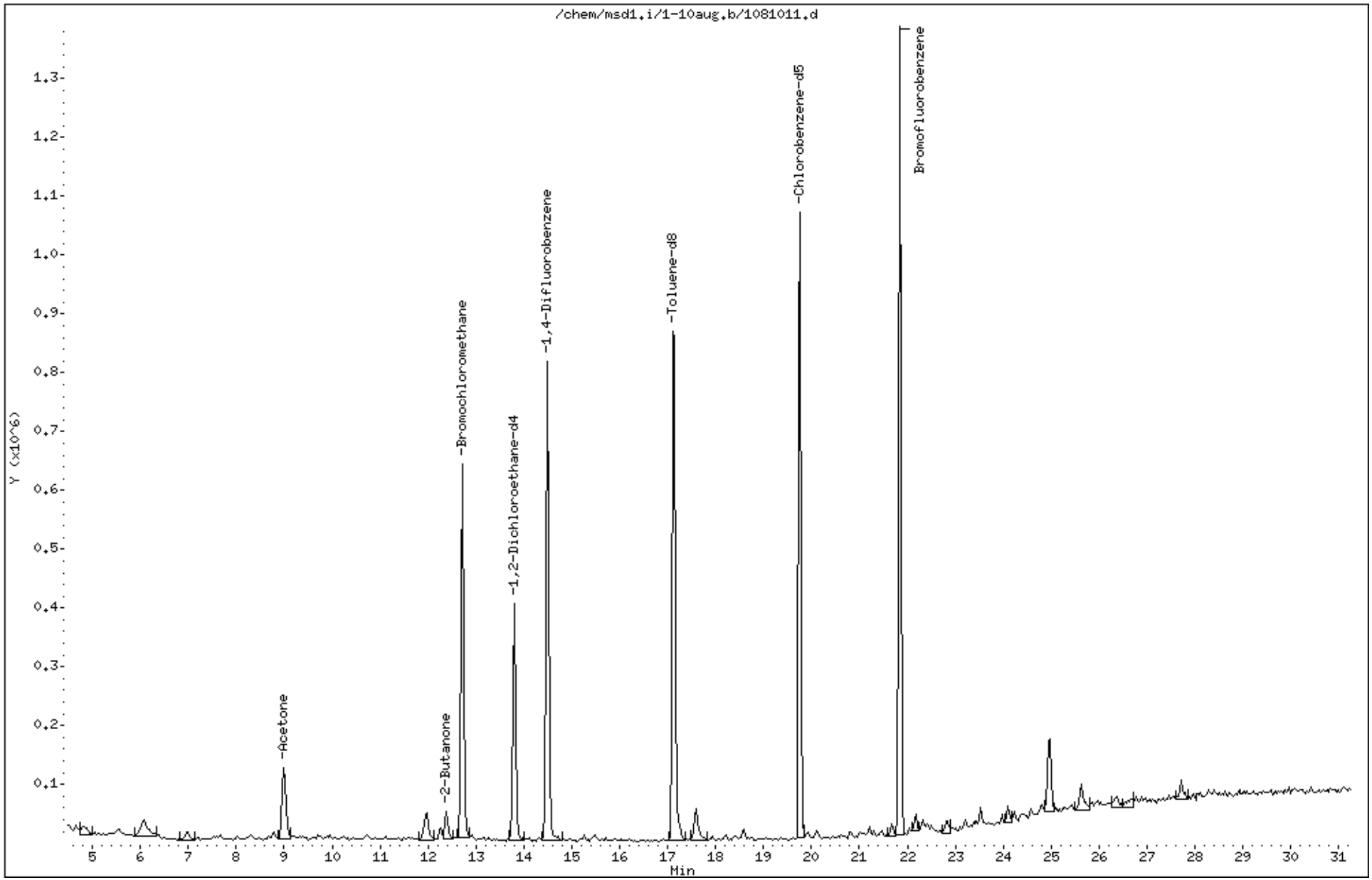
0023

Data File: /chem/msd1.i/1-10aug.b/1081011.d
Date : 10-AUG-2007 16:31
Client ID:
Sample Info: 200mL #34188

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-10aug.b/1081011.d

Date : 10-AUG-2007 16:31

Client ID:

Instrument: msd1.i

Sample Info: 200mL #34188

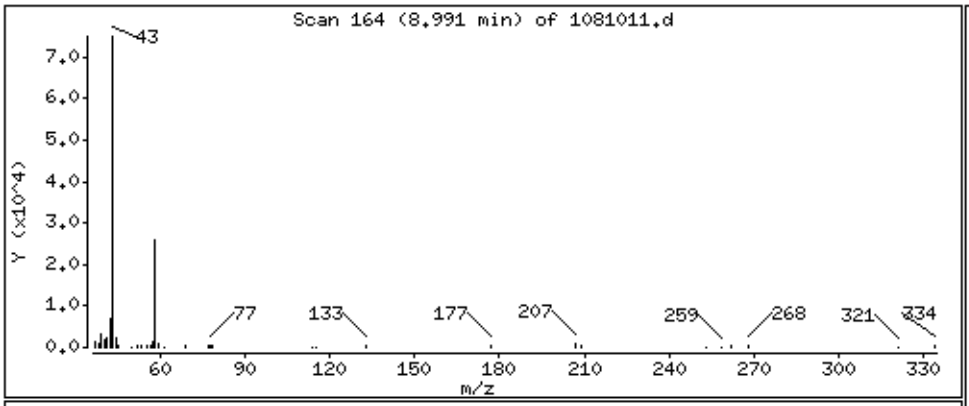
Operator: cb

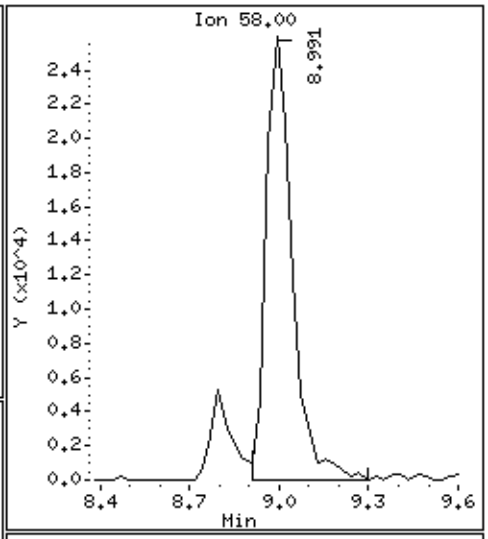
Column phase: RTx-624

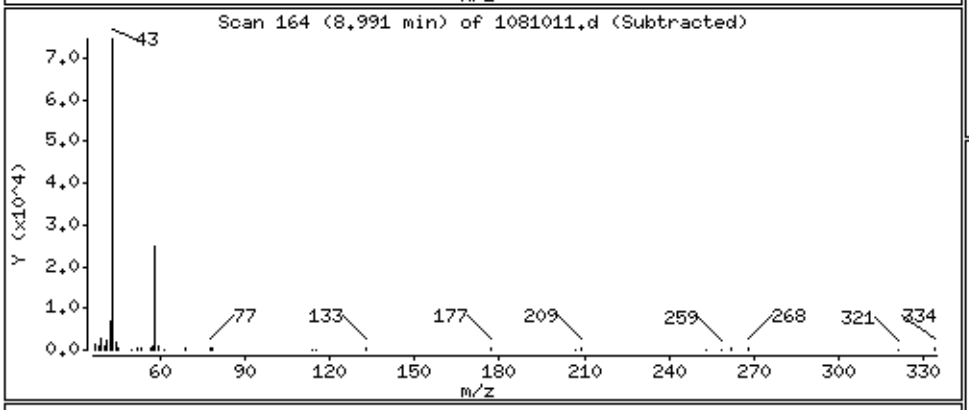
Column diameter: 0.53

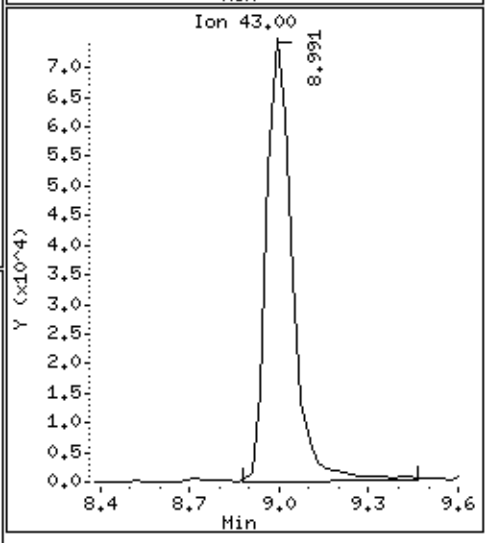
46 Acetone

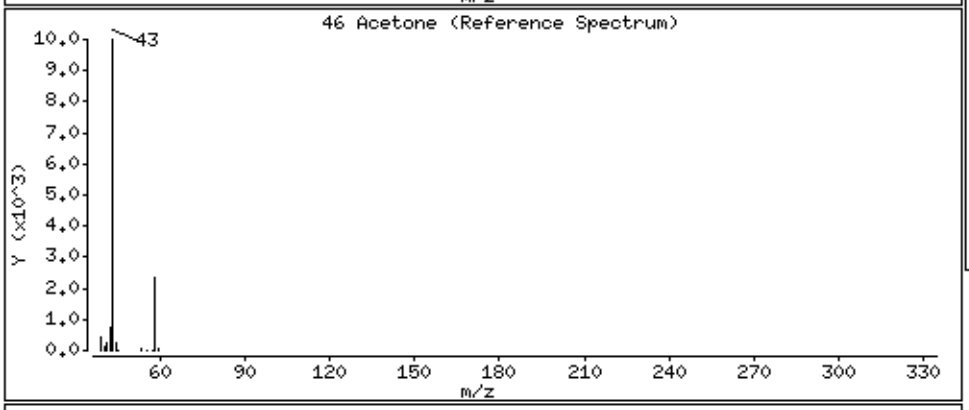
Concentration: 15.592 PPBV

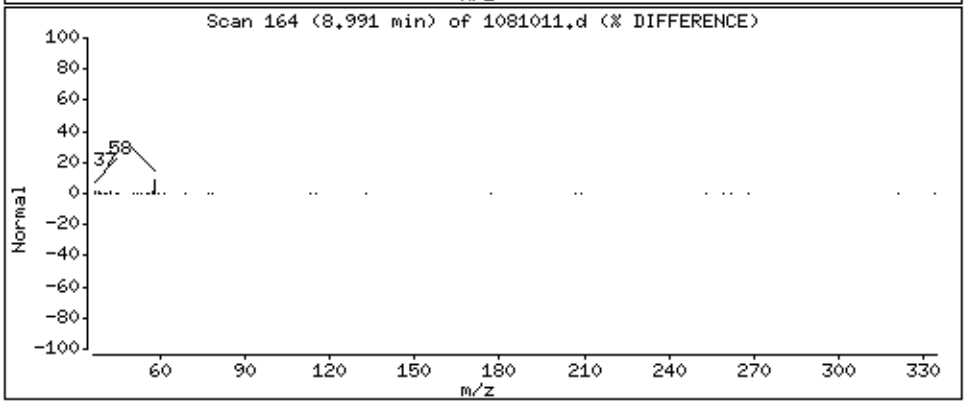












Data File: /chem/msd1.i/1-10aug.b/1081011.d

Date : 10-AUG-2007 16:31

Client ID:

Instrument: msd1.i

Sample Info: 200mL #34188

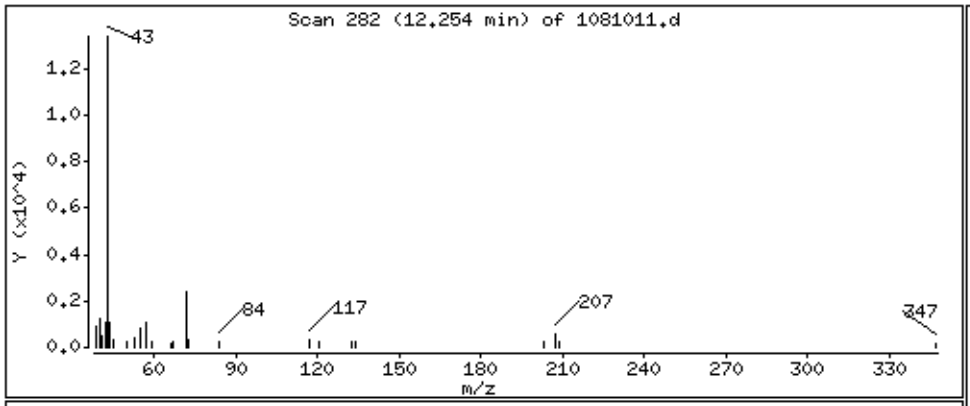
Operator: cb

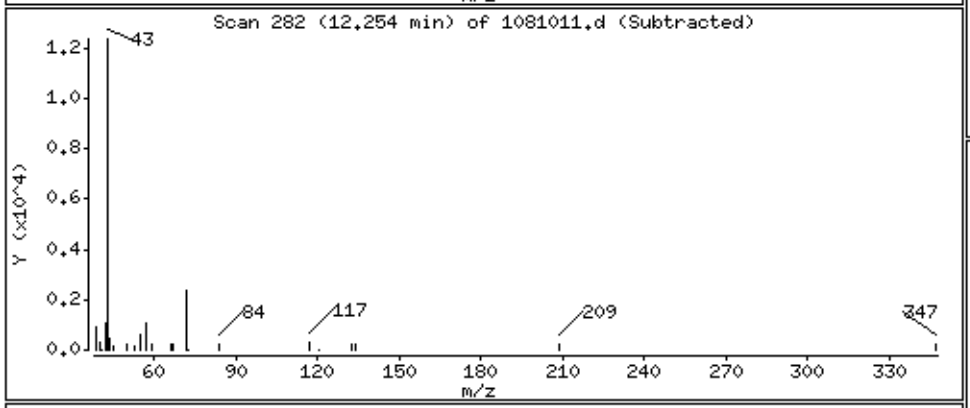
Column phase: RTx-624

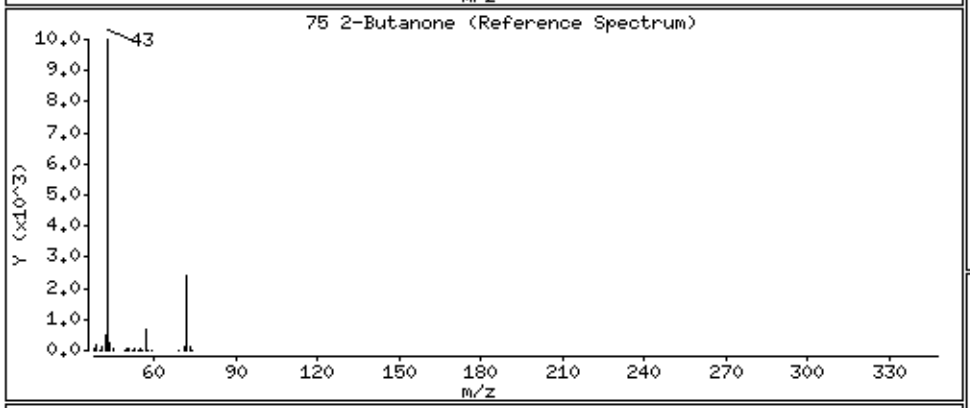
Column diameter: 0.53

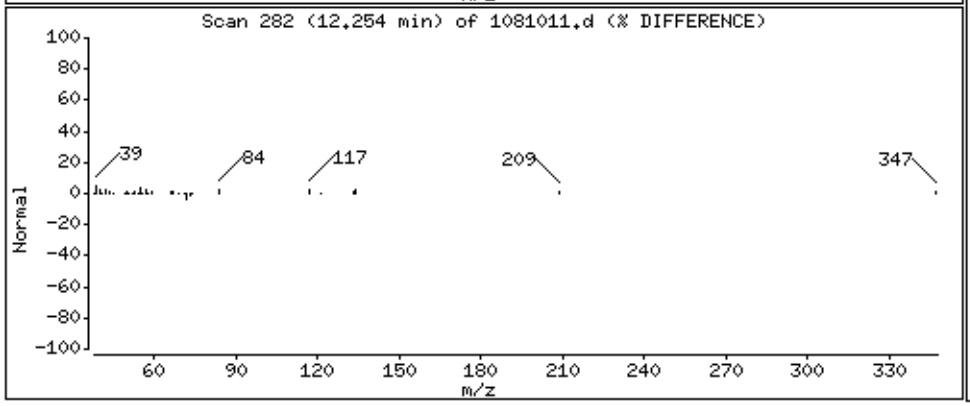
75 2-Butanone

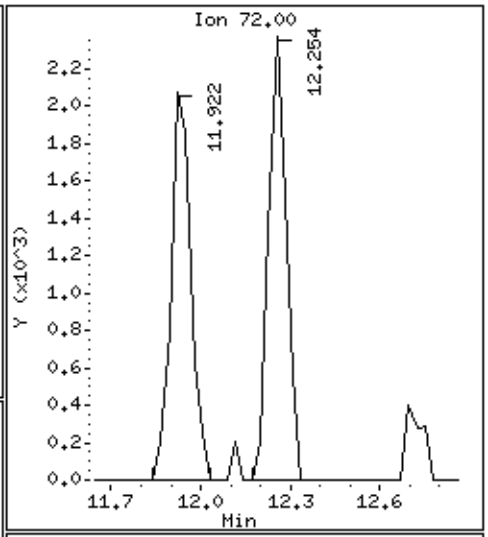
Concentration: 1.504 PPBV

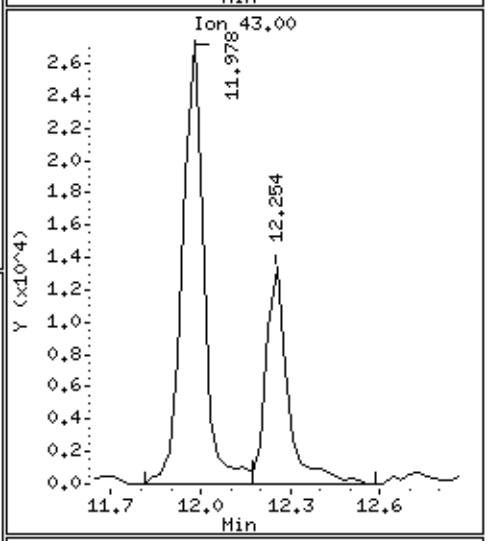


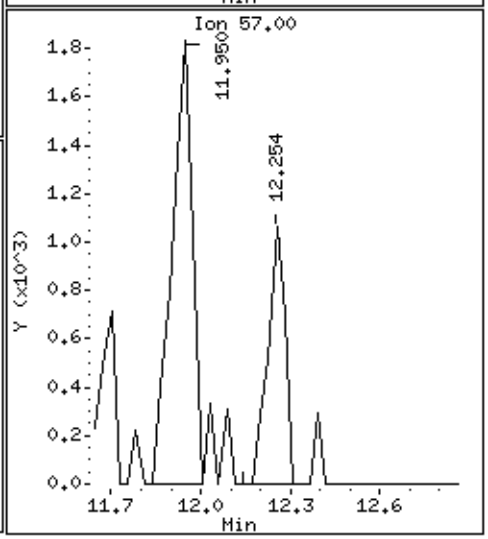












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW-AMS6

Lab ID#: 0707553-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.98	1.1	3.7	4.1
Acetone	3.9	16	9.3	37
Carbon Disulfide	0.98	14	3.0	43
2-Butanone (Methyl Ethyl Ketone)	0.98	10	2.9	29

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW-AMS6

Lab ID#: 0707553-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081012**	**Date of Collection:**	**7/27/07**
Dil. Factor:	**1.96**	**Date of Analysis:**	**8/10/07 05:08 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
Bromomethane	0.98	Not Detected	3.8	Not Detected
Chloroethane	0.98	Not Detected	2.6	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
Methylene Chloride	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
Benzene	0.98	Not Detected	3.1	Not Detected
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
Toluene	0.98	1.1	3.7	4.1
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	Not Detected	4.2	Not Detected
m,p-Xylene	0.98	Not Detected	4.2	Not Detected
o-Xylene	0.98	Not Detected	4.2	Not Detected
Styrene	0.98	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW-AMS6

Lab ID#: 0707553-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081012**	**Date of Collection: 7/27/07**	
Dil. Factor:	**1.96**	**Date of Analysis: 8/10/07 05:08 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.98	Not Detected	4.0	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
Chloromethane	3.9	Not Detected	8.1	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
Acetone	3.9	16	9.3	37
Carbon Disulfide	0.98	14	3.0	43
2-Propanol	3.9	Not Detected	9.6	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.98	10	2.9	29
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.98	Not Detected	4.0	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
Ethanol	3.9	Not Detected	7.4	Not Detected
Methyl tert-butyl ether	0.98	Not Detected	3.5	Not Detected
3-Chloropropene	3.9	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.98	Not Detected	4.6	Not Detected
Naphthalene	3.9	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081012.d
Lab Smp Id: 0707553-02A
Inj Date : 10-AUG-2007 17:08
Operator : srs Inst ID: msd1.i
Smp Info : 200mL #33861
Misc Info : 9.5"Hg --> 5psi GEI
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1
Dil Factor: 1.96000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	373768	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	282093			27.54- 127.54	75.47
12.724	12.724 (1.000)	49	817747			252.03- 352.03	218.78
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1307292	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	184391			0.00- 65.92	14.10
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1132985	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	645163			4.35- 104.35	56.94
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.803 (1.085)	65	611439	24.7199	24.720	80.00- 120.00	100.00
13.802	13.803 (1.085)	67	278182			2.32- 102.32	45.50
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1164898	24.8887	24.889	80.00- 120.00	100.00
17.148	17.120 (1.183)	70	136230			0.00- 61.39	11.69

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	835618			21.82- 121.82	71.73
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.849 (1.105)	174	623945	24.7279	24.728	80.00- 120.00	100.00
21.848	21.849 (1.105)	95	948418			103.65- 203.65	152.00
21.848	21.849 (1.105)	176	592950			43.38- 143.38	95.03
46 Acetone					CAS #: 67-64-1		
8.991	8.992 (0.707)	58	160478	7.95405	15.590	80.00- 120.00	100.00
8.991	8.992 (0.707)	43	473861			218.71- 318.71	295.28
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	629681	7.01642	13.752	80.00- 120.00	100.00
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	66028	5.08245	9.962	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	368375			444.05- 544.05	557.91
12.254	12.254 (0.963)	57	32201			0.00- 97.87	48.77
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	40345	0.55897	1.096	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	23300			13.33- 113.33	57.75

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081012.d
Lab Smp Id: 0707553-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.5"Hg --> 5psi GEI

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	373768	-6.08
96 1,4-Difluorobenze	1420779	852467	1989091	1307292	-7.99
125 Chlorobenzene-d5	1233589	740153	1727025	1132985	-8.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-10aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707553-02A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 9.5"Hg --> 5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.720	98.88	70-130
$ 113 Toluene-d8	25.000	24.889	99.55	70-130
$ 137 Bromofluorobenzene	25.000	24.728	98.91	70-130

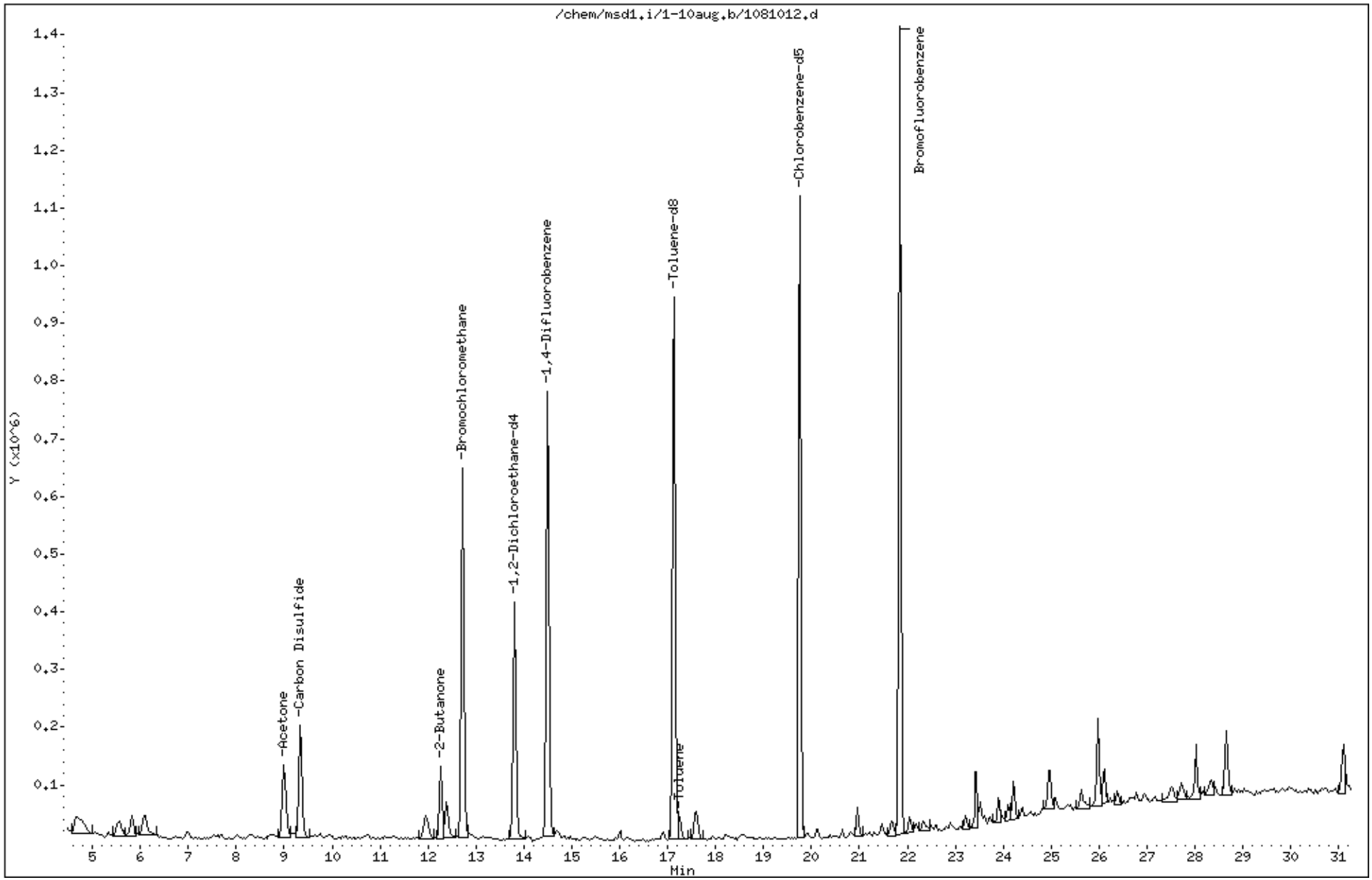
0033

Data File: /chem/msd1.i/1-10aug.b/1081012.d
Date : 10-AUG-2007 17:08
Client ID:
Sample Info: 200mL #33861

Instrument: msd1.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-10aug.b/1081012.d

Date : 10-AUG-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33861

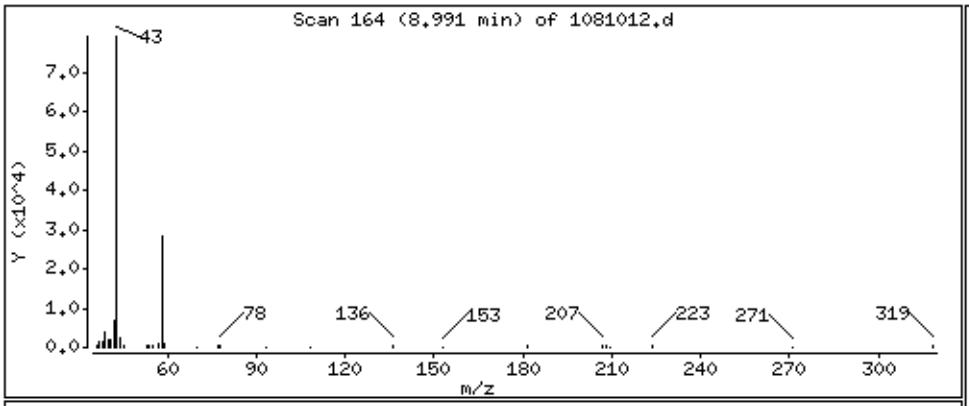
Operator: srs

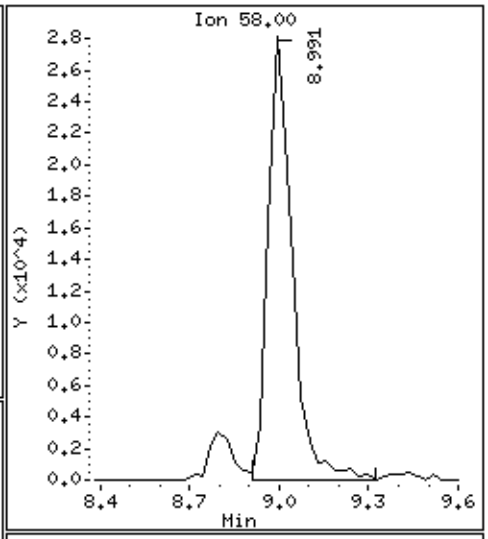
Column phase: RTx-624

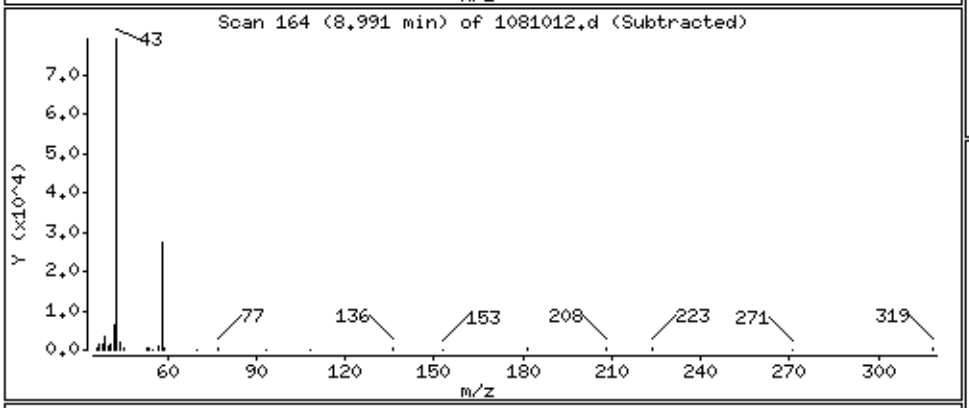
Column diameter: 0.53

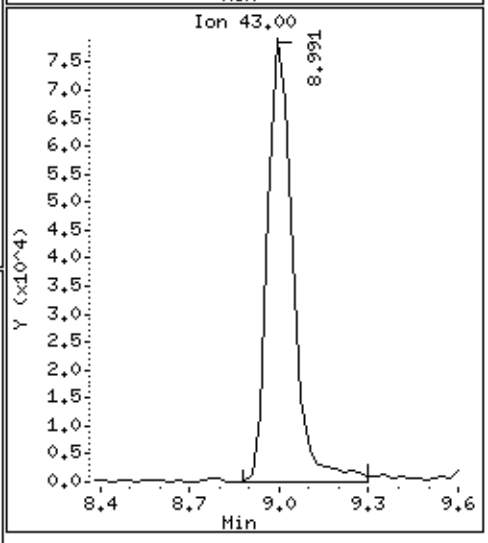
46 Acetone

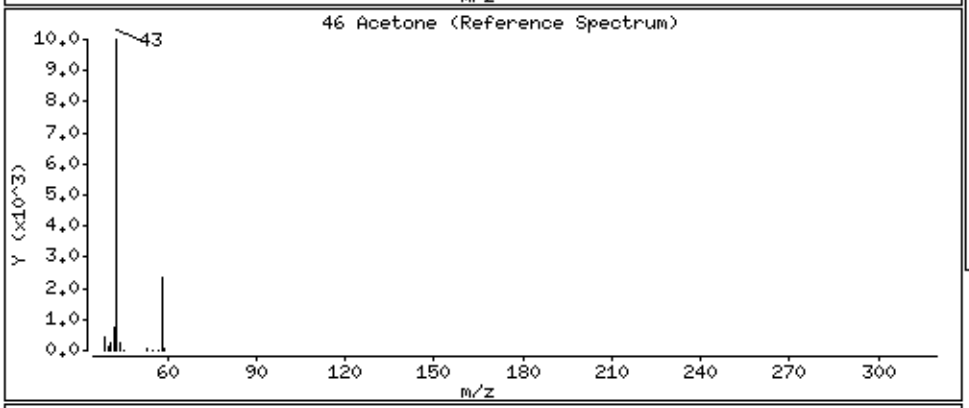
Concentration: 15.590 PPBV

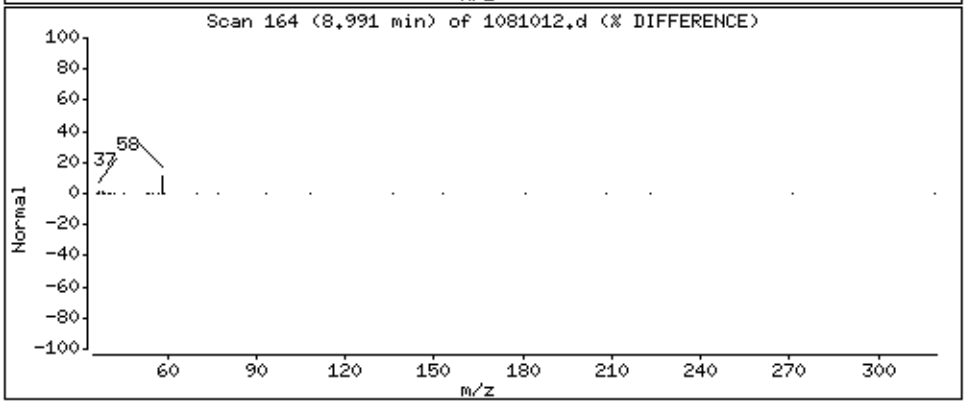












Data File: /chem/msd1.i/1-10aug.b/1081012.d

Date : 10-AUG-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33861

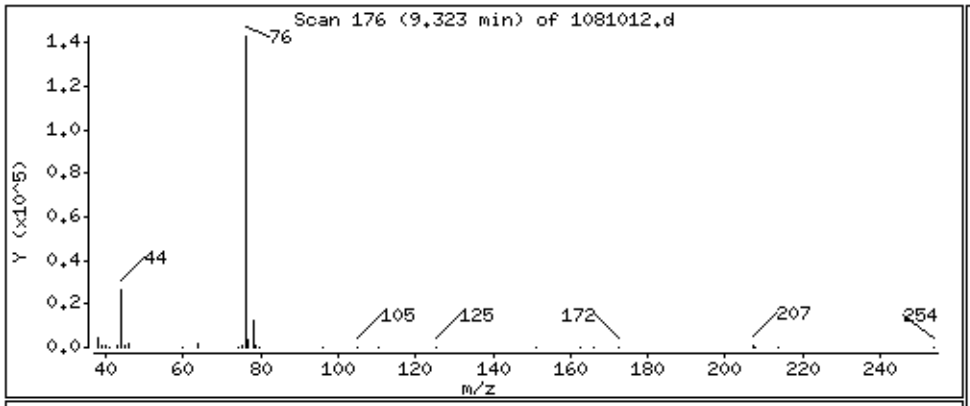
Operator: srs

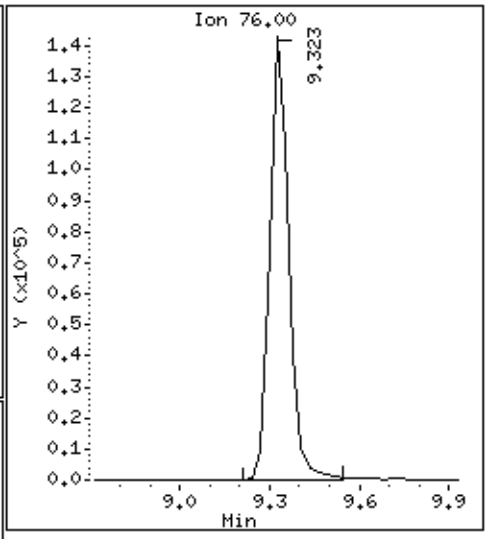
Column phase: RTx-624

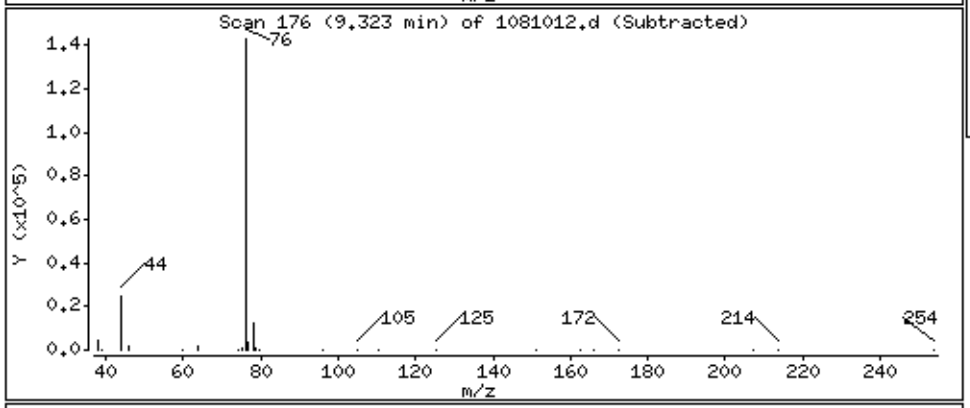
Column diameter: 0.53

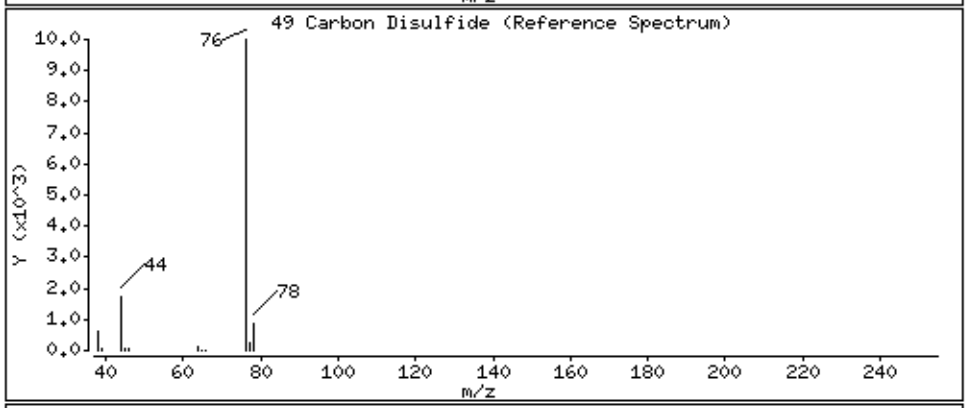
49 Carbon Disulfide

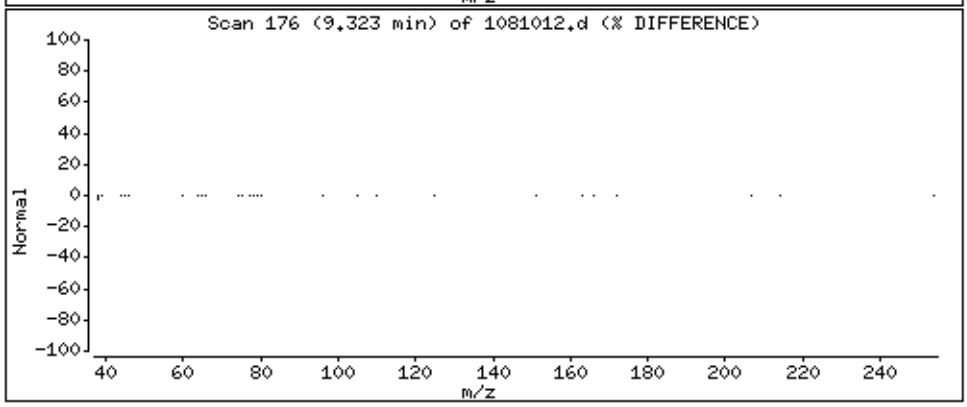
Concentration: 13.752 PPBV











Data File: /chem/msd1.i/1-10aug.b/1081012.d

Date : 10-AUG-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33861

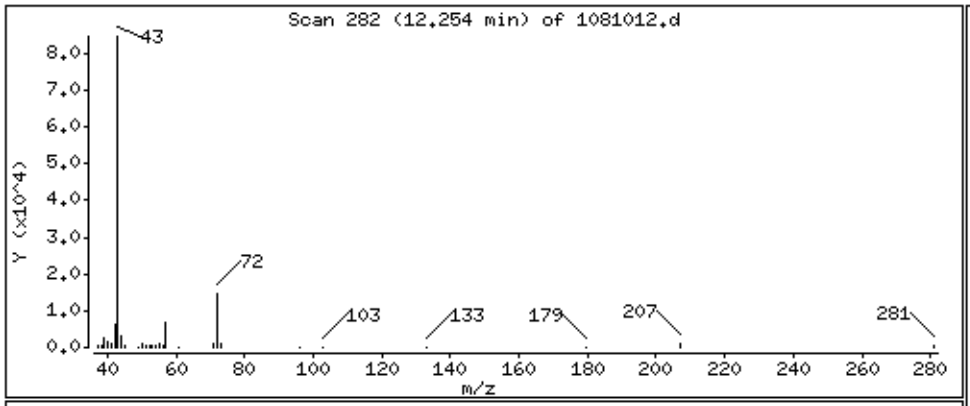
Operator: srs

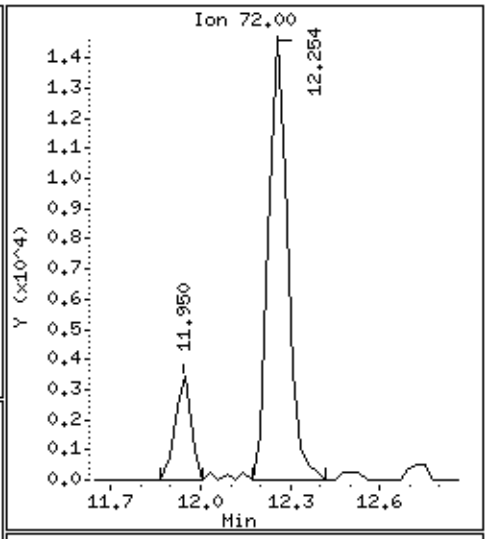
Column phase: RTx-624

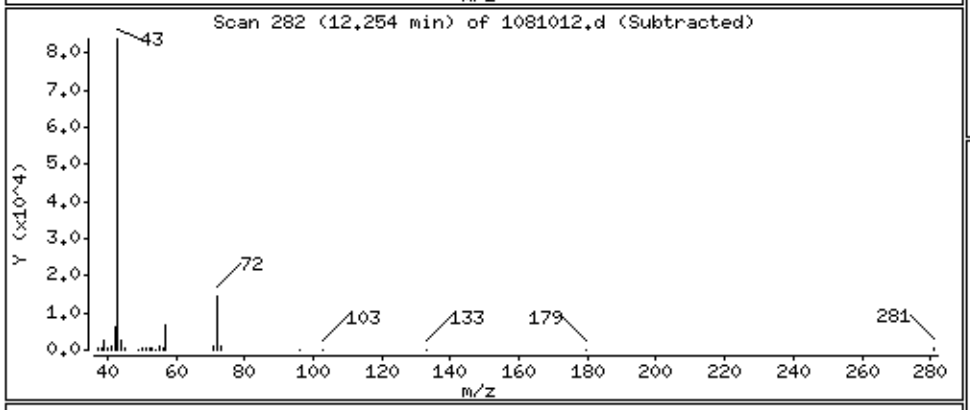
Column diameter: 0.53

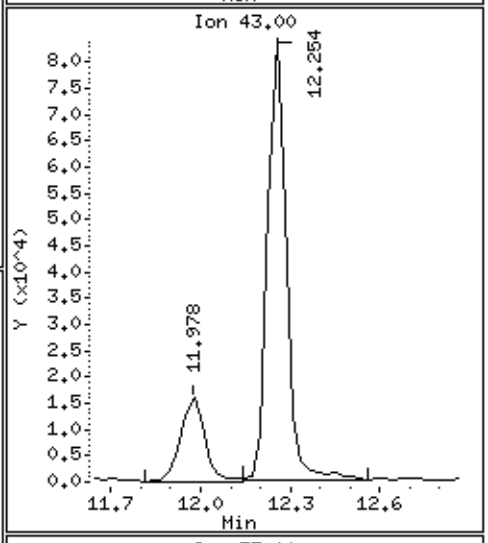
75 2-Butanone

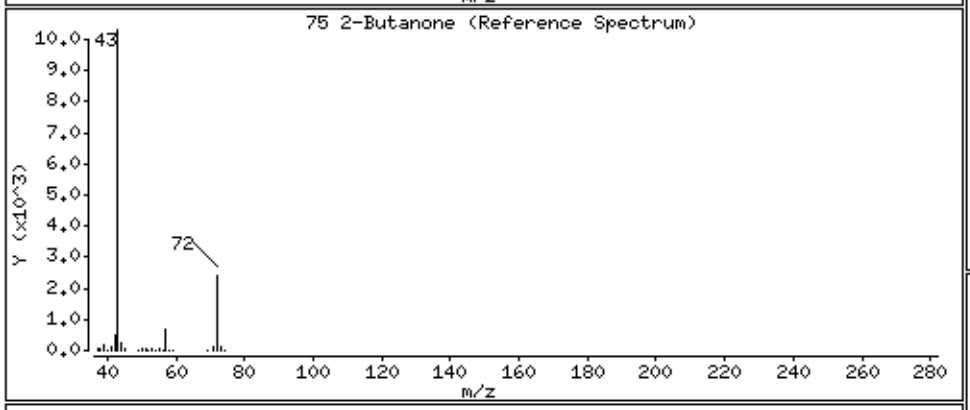
Concentration: 9.962 PPBV

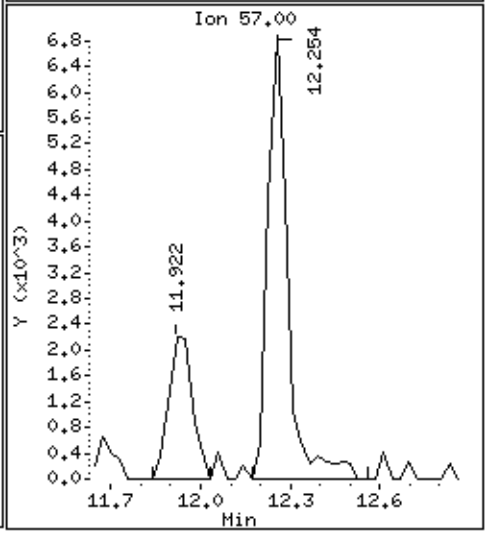


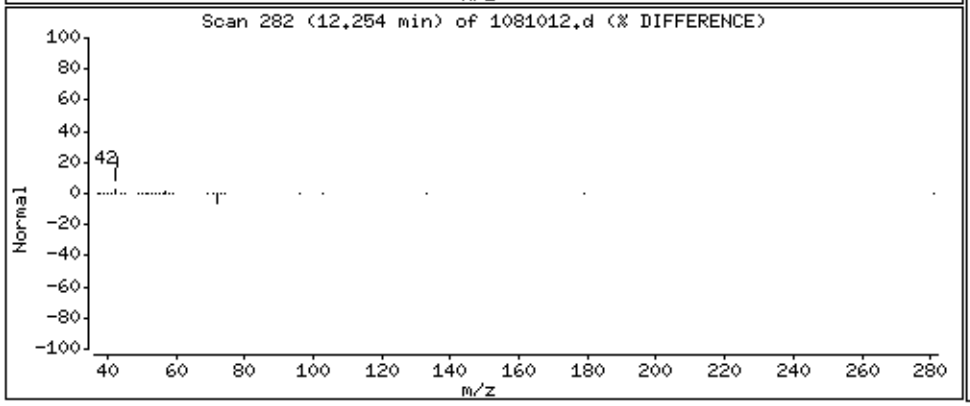












Data File: /chem/msd1.i/1-10aug.b/1081012.d

Date : 10-AUG-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33861

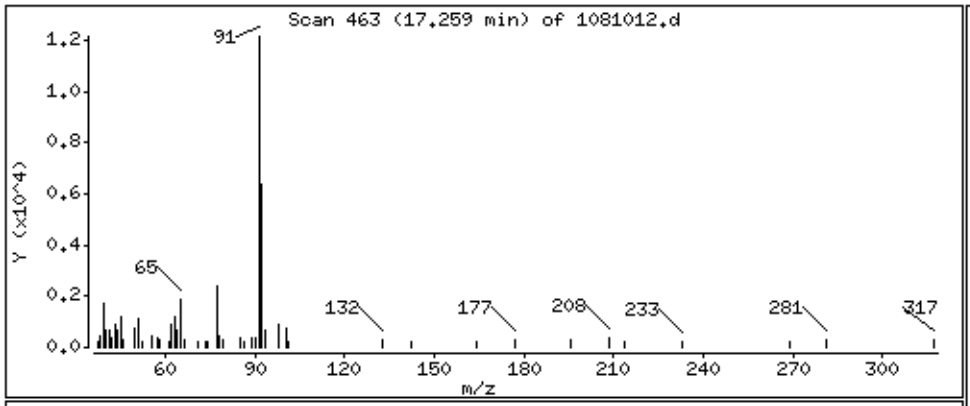
Operator: srs

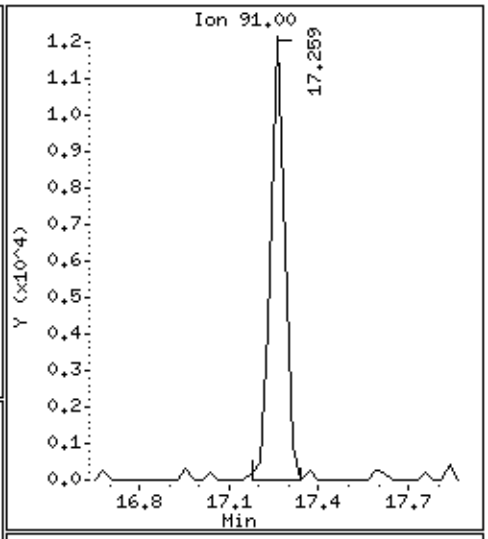
Column phase: RTx-624

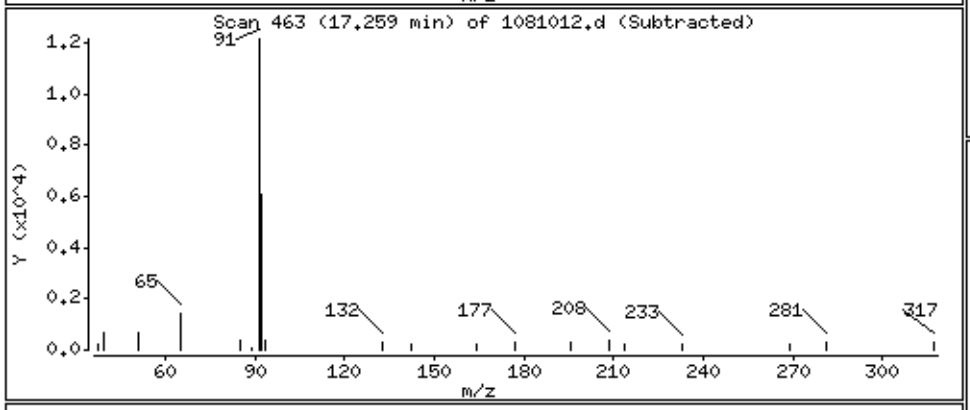
Column diameter: 0.53

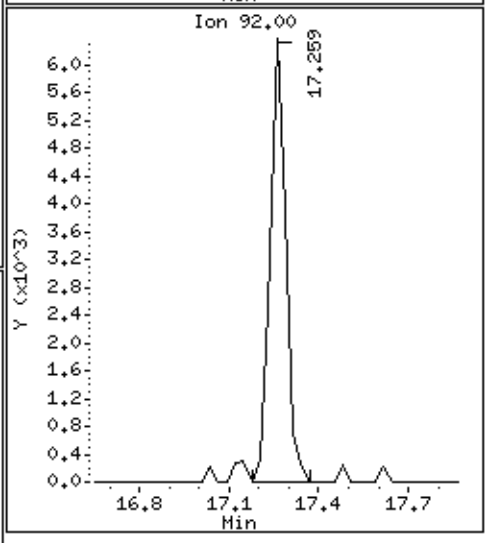
115 Toluene

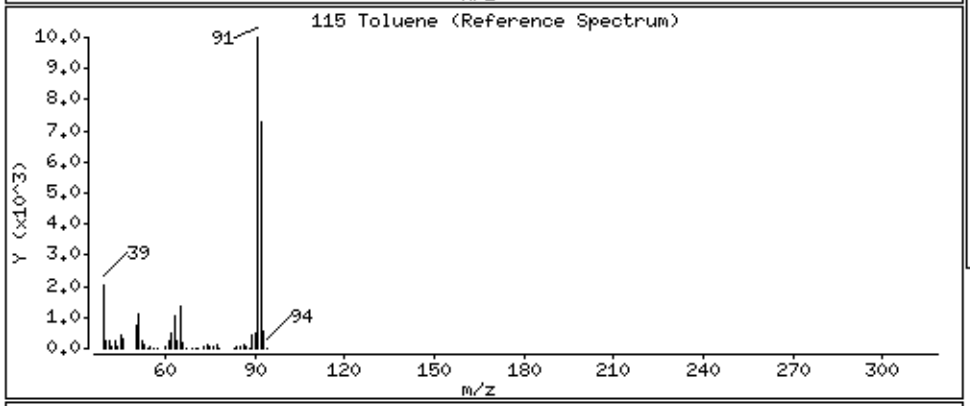
Concentration: 1.096 PPBV

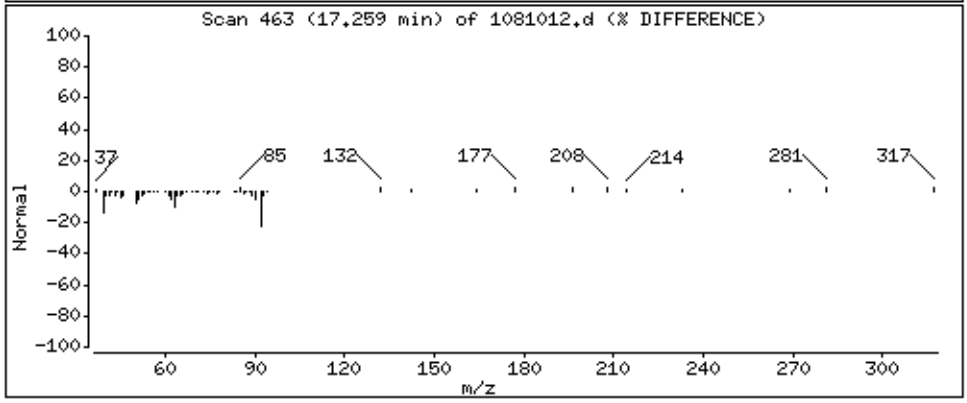












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707553-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 10:55 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707553-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 10:55 AM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081005.d
Lab Smp Id: Lab Blank
Inj Date : 10-AUG-2007 10:55
Operator : cb Inst ID: msd1.i
Smp Info : 200mL #31437
Misc Info : Humid
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane						CAS #: 74-97-5		
12.724	12.724 (1.000)	130	388751	25.0000			80.00- 120.00	100.00
12.724	12.724 (1.000)	128	298668				27.54- 127.54	76.83
12.696	12.724 (1.000)	49	799961				252.03- 352.03	205.78
* 96 1,4-Difluorobenzene						CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1323110	25.0000			80.00- 120.00	100.00
14.494	14.494 (1.000)	88	201220				0.00- 65.92	15.21
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1172056	25.0000			80.00- 120.00	100.00
19.775	19.775 (1.000)	82	654158				4.35- 104.35	55.81
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
13.802	13.803 (1.085)	65	621798	24.1698	24.170		80.00- 120.00	100.00
13.802	13.803 (1.085)	67	281129				2.32- 102.32	45.21
$ 113 Toluene-d8						CAS #: 2037-26-5		
17.120	17.148 (1.181)	98	1186780	25.0531	25.053		80.00- 120.00	100.00
17.120	17.120 (1.181)	70	139276				0.00- 61.39	11.74

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	863370			21.82- 121.82	72.75
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.849 (1.105)	174	627702	24.0476	24.048	80.00- 120.00	100.00
21.848	21.849 (1.105)	95	968300			103.65- 203.65	154.26
21.848	21.849 (1.105)	176	611514			43.38- 143.38	97.42

Report Date: 10-Aug-2007 11:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081005.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: Humid

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	388751	-2.32
96 1,4-Difluorobenze	1420779	852467	1989091	1323110	-6.87
125 Chlorobenzene-d5	1233589	740153	1727025	1172056	-4.99

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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: 10-Aug-2007 11:10

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-10aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.170	96.68	70-130
$ 113 Toluene-d8	25.000	25.053	100.21	70-130
$ 137 Bromofluorobenzene	25.000	24.048	96.19	70-130

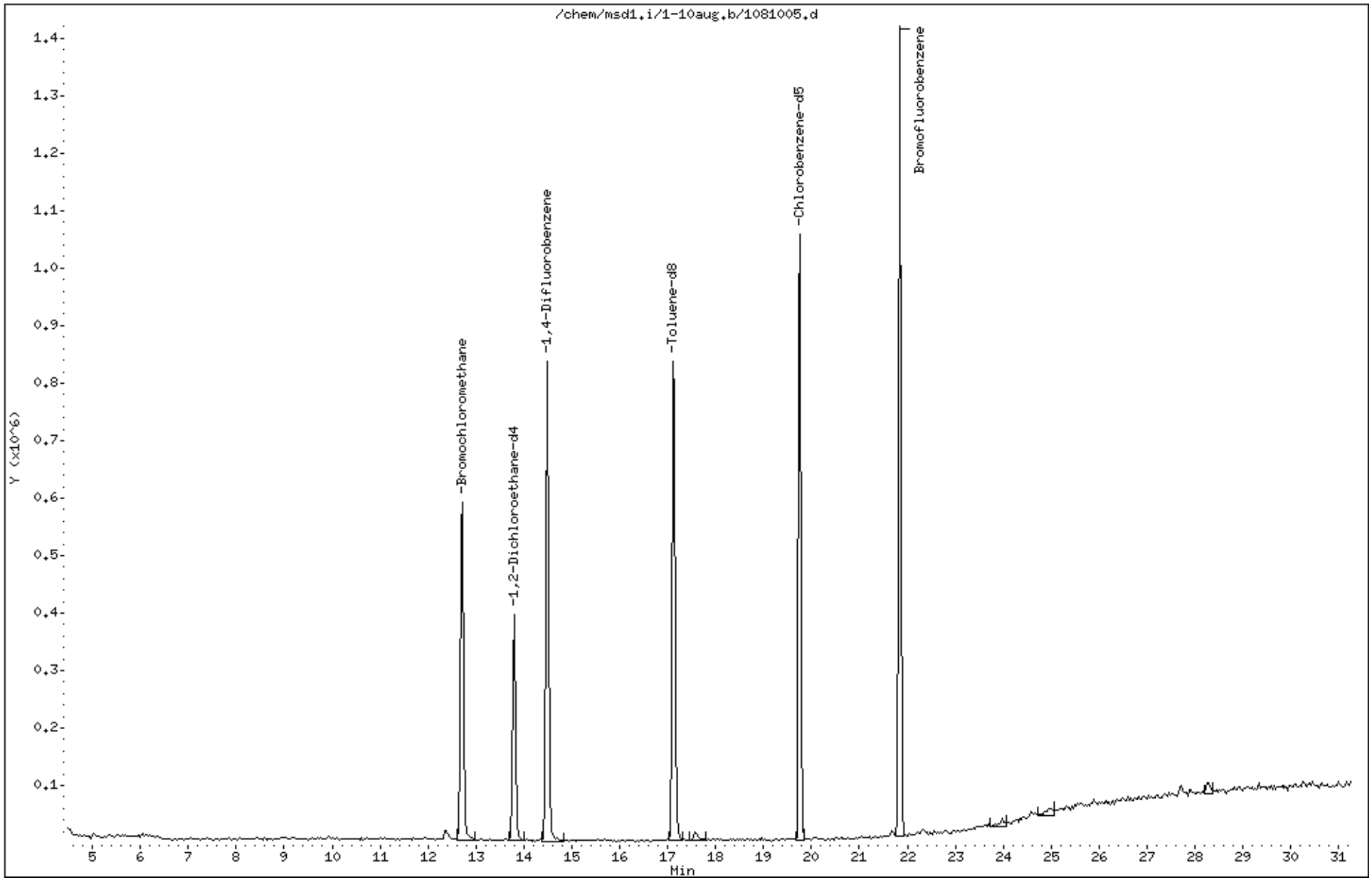
0045

Data File: /chem/msd1.i/1-10aug.b/1081005.d
Date : 10-AUG-2007 10:55
Client ID:
Sample Info: 200mL #31437

Instrument: msd1.i

Operator: cb
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.: 0707553

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UW AMS3	98		101		95				0
02	UW AMS3 Lab Duplicate	99		90		101				0
03	DW-AMS6	99		100		99				0
04	Lab Blank	97		100		96				0
05	CCV	101		101		100				0
06	LCS	104		99		102				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: 0707553

Lab File ID: 1081002.d | Date Analyzed: 08/10/2007

Instrument ID: msd1.i | Time Analyzed: 08:39 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1233589		19.77		1420779		14.49		397970		12.72	
	UPPER LIMIT	1727025		20.10		1989091		14.82		557158		13.05	
	LOWER LIMIT	740153		19.44		852467		14.16		238782		12.39	
	CLIENT SAMPLE NO												
01	UW AMS3	1129958		19.77		1303658		14.49		365655		12.72	
02	UW AMS3 Lab Duplicate	1121538		19.77		1291983		14.49		362842		12.72	
03	DW-AMS6	1132985		19.77		1307292		14.49		373768		12.72	
04	Lab Blank	1172056		19.77		1323110		14.49		388751		12.72	
05	CCV	1233589		19.77		1420779		14.49		397970		12.72	
06	LCS	1227172		19.77		1418902		14.49		384138		12.72	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: 1081011.d & 1081010.d

Lab Sample ID: 01A & 01AA Dilution: 1.91 & 1.91

Client Sample ID: & Date Analyzed: 8/10/07 & 8/10/07

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	1.584		1.504		5.2
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	15.936		15.592		2.2
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 1081011.d & 1081010.d

Lab Sample ID: 01A & 01AA

Dilution: 1.91 & 1.91

Client Sample ID: &

Date Analyzed: 8/10/07 & 8/10/07

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

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

Calibration File Names:
Level 2: /chem/msd1.i/1-07auga.b/1080711.d
Level 3: /chem/msd1.i/1-07auga.b/1080712.d
Level 4: /chem/msd1.i/1-07auga.b/1080713.d
Level 5: /chem/msd1.i/1-07auga.b/1080714.d
Level 6: /chem/msd1.i/1-07auga.b/1080715.d
Level 7: /chem/msd1.i/1-07auga.b/1080716.d

	0.50000	2.000	25.000	50.000	100.000	200.000	___	
Compound	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
204 2-Chloroethyl-Vinyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
10 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
8 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
12 Propylene	+++++	1.61518	1.62337	1.65700	1.56924	1.58183	1.60932	2.168
203 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
13 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Dichlorodifluoromethane/Fr12	4.23850	4.11910	4.74207	4.48311	4.35117	4.28584	4.36997	5.002
16 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
18 Freon 114	2.70067	2.78051	3.33945	3.16243	3.13486	3.07013	3.03134	8.035
17 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Chloromethane	+++++	2.28055	2.24811	2.19161	2.17176	2.23675	2.22576	1.972
20 Butane	+++++	0.42909	0.44790	0.44148	0.41955	0.41909	0.43142	3.002
22 Vinyl Chloride	2.32921	2.27488	2.97247	2.81726	2.72423	2.67769	2.63263	10.472
23 1,3-Butadiene	1.75492	1.81209	2.16268	2.10195	2.08674	2.05694	1.99588	8.470
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

Compound	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
24 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Bromomethane	1.12368	1.65370	1.90363	1.66666	1.72766	1.78128	1.64277	16.438
30 Chloroethane	1.35659	1.10289	1.33539	1.32708	1.32710	1.31236	1.29357	7.308
29 Isopentane	+++++	2.60371	2.80535	2.71024	2.63400	2.51954	2.65457	4.087
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Trichlorofluoromethane/Fr11	3.84128	4.01297	4.95386	4.85102	4.79493	4.71979	4.52897	10.499
31 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 Ethanol	+++++	0.76234	0.89303	0.86306	0.84693	0.86794	0.84666	5.900
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
38 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
44 Freon 113	1.92107	2.28357	2.72891	2.61475	2.58446	2.52296	2.44262	12.082
45 1,1-Dichloroethene	3.68838	3.63311	4.51973	4.28791	4.24290	4.17642	4.09141	8.639
43 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 Acetone	+++++	1.23600	1.40753	1.37087	1.36591	1.36707	1.34948	4.871
47 2-Propanol	+++++	3.48036	4.40121	4.26793	4.16295	4.23265	4.10902	8.809
49 Carbon Disulfide	5.59068	5.24927	6.47124	6.30343	6.18239	6.21888	6.00265	7.907
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 3-Chloropropene	+++++	0.73482	1.06095	1.00573	0.99562	0.98752	0.95693	13.318
54 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Methylene Chloride	3.08660	2.64563	3.21020	3.01039	3.01561	3.05684	3.00421	6.329
57 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

Compound	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
55 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 MTBE	2.56421	2.24216	3.14008	2.68414	2.36141	1.86311	2.47585	17.471
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 trans-1,2-Dichloroethene	1.63773	1.87015	2.31287	2.21266	2.15420	2.10924	2.04947	12.193
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Hexane	3.94264	3.98729	4.84847	4.65203	4.57609	4.49849	4.41750	8.367
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
68 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
69 Vinyl Acetate	+++++	0.28402	0.44621	0.44856	0.43299	0.43408	0.40917	17.183
70 1,1-Dichloroethane	3.65132	4.38556	5.33019	5.09670	4.98621	4.89046	4.72341	12.940
66 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
71 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 t-Butylethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	0.71603	0.69809	1.00019	0.96572	0.92226	0.91139	0.86895	14.899
76 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 cis-1,2-Dichloroethene	2.90952	3.22431	3.94749	3.69701	3.63745	3.59543	3.50187	10.621
78 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Tetrahydrofuran	3.68531	2.39446	2.61798	2.54139	2.52227	2.49499	2.70940	17.848
81 Chloroform	2.73687	3.08131	3.68539	3.55818	3.47750	3.46975	3.33483	10.671
85 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	2.66913	2.74320	3.68971	3.54034	3.50159	3.42538	3.26156	13.471
82 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 Cyclohexane	1.55416	1.87035	2.41316	2.34394	2.26033	2.17519	2.10286	15.622
86 Carbon Tetrachloride	2.13140	2.50930	3.56285	3.51501	3.50436	3.53077	3.12562	20.329
87 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 2,2,4-Trimethylpentane	2.53096	2.71244	3.47023	3.18965	3.04733	3.11432	3.01082	11.257
91 Benzene	1.06739	1.26279	1.48841	1.35035	1.28608	1.29805	1.29218	10.574

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

		0.50000	2.000	25.000	50.000	100.000	200.000	___	
	Compound	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD
92	tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93	1,2-Dichloroethane	0.66531	0.72447	0.90905	0.86572	0.82435	0.85185	0.80679	11.503
94	Heptane	0.39885	0.34574	0.47250	0.44270	0.41514	0.41891	0.41564	10.289
95	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99	trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98	1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101	2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100	Trichloroethene	0.48303	0.48290	0.57877	0.52231	0.51015	0.50888	0.51434	6.864
103	Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105	Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102	Methyl Cyclohexane	0.64092	0.62629	0.78974	0.73624	0.70364	0.70131	0.69969	8.647
104	1,2-Dichloropropane	0.59103	0.51557	0.67246	0.62202	0.60135	0.60391	0.60106	8.468
106	1,4-Dioxane	+++++	0.24778	0.31329	0.30553	0.28596	0.29119	0.28875	8.788
109	Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
107	Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108	Bromodichloromethane	0.62140	0.65119	0.93631	0.85636	0.83369	0.84616	0.79085	15.850
110	Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114	Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
111	cis-1,3-Dichloropropene	0.61556	0.57168	0.77672	0.72016	0.68937	0.70121	0.67912	10.898
112	4-Methyl-2-pentanone	0.46566	0.48329	0.61814	0.58628	0.56783	0.57658	0.54963	11.081
117	Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
115	Toluene	1.25818	1.23841	1.58476	1.42701	1.37372	1.39958	1.38028	9.132
116	trans-1,3-Dichloropropene	0.67595	0.63317	0.89335	0.88419	0.85949	0.86619	0.80206	14.423
118	1,1,2-Trichloroethane	0.57872	0.50082	0.63712	0.62326	0.59287	0.58464	0.58624	8.130
119	Tetrachloroethene	0.57244	0.57839	0.75930	0.72797	0.70319	0.69321	0.67242	11.682
120	2-Hexanone	+++++	0.69410	0.98110	0.99724	0.95977	0.97227	0.92090	13.847
121	1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
122	Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123	Dibromochloromethane	0.68002	0.77790	1.09732	1.08051	1.04899	1.05464	0.95656	18.802
124	1,2-Dibromoethane	0.77248	0.82147	1.05284	1.00104	0.96784	0.95560	0.92855	11.679
126	Chlorobenzene	1.21739	1.39145	1.67600	1.61381	1.54972	1.53878	1.49786	11.153
128	Ethyl Benzene	0.61987	0.66533	0.85597	0.81642	0.78814	0.76550	0.75187	12.105
127	Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

Compound	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
129 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
134 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 m,p-Xylene	0.86715	0.93150	1.12186	1.07355	1.04195	1.00399	1.00667	9.330
142 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 o-Xylene	0.86434	0.92484	1.15427	1.08281	1.02026	0.96392	1.00174	10.603
132 Styrene	1.22564	1.38269	1.84209	1.78756	1.71089	1.65481	1.60062	15.213
97 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
148 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Bromoform	0.63756	0.74776	1.11726	1.09927	1.06189	1.04340	0.95119	21.546
135 Cumene	2.54552	2.77235	3.33568	3.22578	3.10655	3.02714	3.00217	9.815
136 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
154 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,1,2,2-Tetrachloroethane	1.59832	1.70391	2.07890	1.96711	1.83385	1.75843	1.82342	9.662
140 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Propylbenzene	3.75548	3.93752	4.82203	4.65520	4.44925	3.60857	4.20468	11.998
141 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
144 4-Ethyltoluene	3.29126	3.34255	4.08562	3.92558	3.75066	3.22593	3.60360	10.128
145 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 1,3,5-Trimethylbenzene	2.83778	2.74227	3.43079	3.34344	3.18340	2.99181	3.08825	8.965
147 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 1,2,4-Trimethylbenzene	2.90445	2.87421	3.61101	3.48072	3.31825	2.97720	3.19431	9.946
151 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,3-Dichlorobenzene	2.08473	2.13695	2.55317	2.48844	2.34754	2.23571	2.30776	8.189
157 1,4-Dichlorobenzene	2.25752	2.28120	2.68484	2.63748	2.49437	2.35011	2.45092	7.474
158 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	3.20884	3.19204	4.47685	4.39765	4.28517	3.49965	3.84337	15.821
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-07auga.b/t14q807a.m
Cal Date : 08-Aug-2007 08:10 lover
Curve Type : Average

Compound	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
161 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 1,2-Dichlorobenzene	2.25081	2.28726	2.76497	2.67907	2.52742	2.36754	2.47951	8.563
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
164 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 1,2,4-Trichlorobenzene	+++++	1.59056	1.70099	2.02201	1.84734	1.79034	1.79025	9.042
168 Hexachlorobutadiene	+++++	1.20746	1.22900	1.37357	1.24649	1.18132	1.24757	5.974
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
172 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 Naphthalene	3.87567	3.76311	4.08092	5.51031	5.21857	4.48339	4.48866	16.204
173 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.54111	1.60422	1.60936	1.64096	1.73670	1.79412	1.65441	5.661
$ 113 Toluene-d8	0.87176	0.91448	0.92000	0.88136	0.87655	0.90621	0.89506	2.342
$ 137 Bromofluorobenzene	0.52787	0.55335	0.55719	0.55239	0.56743	0.58238	0.55677	3.248

Calibration History

Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Start Cal Date: 07-AUG-2007 19:00
End Cal Date : 07-AUG-2007 22:10

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 2 , Cal Amount: 0.50000		
07-AUG-2007 19:00	AT04low+ENSR	/chem/msd1.i/1-07auga.b/1080711.d
Cal Level: 3 , Cal Amount: 2.00000		
07-AUG-2007 19:41	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080712.d
Cal Level: 4 , Cal Amount: 25.00000		
07-AUG-2007 20:18	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080713.d
Cal Level: 5 , Cal Amount: 50.00000		
07-AUG-2007 20:55	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080714.d
Cal Level: 6 , Cal Amount: 100.00000		
07-AUG-2007 21:33	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080715.d
Cal Level: 7 , Cal Amount: 200.00000		
07-AUG-2007 22:10	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080716.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
07-AUG-2007 20:55	AT04mdl+ENSR	/chem/msd1.i/1-07auga.b/1080714.d
Ccal Level: 5 , Ccal Amount: 50.000		

```
|07-AUG-2007 20:55 |AT04mdl+ENSR     |/chem/msd1.i/1-07auga.b/1080714a.d      |
+------------------+-----------------+----------------------------------------+
```

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MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.60
75	30.0 – 60.0% of mass 95	40.93
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	8.00
173	Less than 2.0% of mass 174	(0.61)[1]
174	Greater than 50.0% of mass 95	63.14
175	5.0 – 9.0% of mass 174	(7.12)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.12)[1]
177	5.0 – 9.0% of mass 176	(7.042)[2]

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

BFB Injection Date: 8-7-2007
BFB Injection Time: 1832
BFB File ID: 1080710
Tekmar Purge Flow: 2 8/8/07
Vacuum: 4.1-5

IS/S Std.#:	1443-226	Exp. Date: 10/31/07
BCM	3723102	
1,4-DFB	1386575	
CB-d5	1175809	

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

Verify 176/174 m/z Ratio: 352010/370085400 = 95.116

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 611032\ )}{(\ 372302\ )} \times \frac{(\ 25.00\ )}{(\ 1.65441\ )} =$ 24.79679

Reported Result 24.797

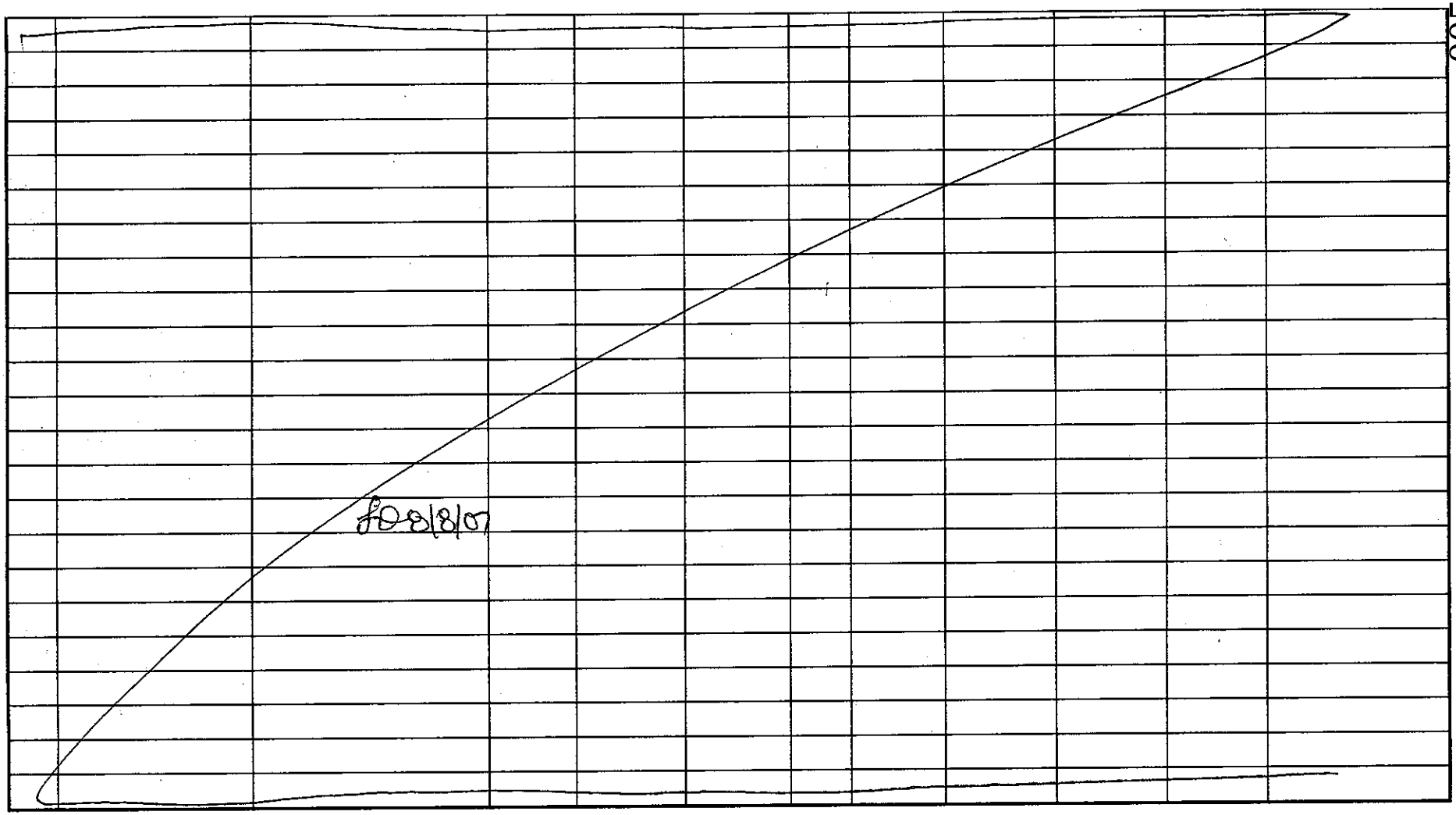
File ID:	1080714a
Compound:	1,2-DCA-d4
Initials:	fo

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1080710	BFB Tune Check	#1443-226	5 psig	2 ml	1.00	xp	8-7-2007	1832	xp/fo	Passed by AI (peak
2	✓	11	ICAL Level 1 + 2	#1443-339	0.5 ppbv	0.5 ml	1.00	xp		1900	fo	+14q867a
3	✓	12	Level 3		2.0 ppbv	2.0 ml	1.00	xp		1941	fo	
4	✓	13	Level 3 4		25 ppbv	25 ml	1.00	xp		2018	fo	
5	✓	14	Level 4 5		50 ppbv	50 ml	1.00	xp		2055	fo	
6	✓	15	Level 5 6		100 ppbv	100 ml	1.00	xp		2133	fo	
7	✓	16	Level 6 7		200 ppbv	200 ml	1.00	xp		2210	fo	
8												
9												

fo 8/8/07

Signature

8/8/07
Date



Comments: NIST Flow control SN#05E27601 exp 8/19/07 actual: 25.4 mL/min
Flow Controller SN#AA04143049 nominal: 23.6 mL/min

Laura Overmyer
Signature

8/8/07
Date

@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	21.63
75	30.0 – 60.0% of mass 95	39.84
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.40
173	Less than 2.0% of mass 174	(0.68)[1]
174	Greater than 50.0% of mass 95	64.93
175	5.0 – 9.0% of mass 174	(7.02)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.98)[1]
177	5.0 – 9.0% of mass 176	(6.31)[2]

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

BFB Injection Date: 8/8/07
BFB Injection Time: 0922
BFB File ID: 1080801
Tekmar Purge Flow: 20.2 mL/min
Vacuum: 4.1 x 10^{-5} torr

IS/S Std.#:	1443-226	Exp. Date: 10/31/07
BCM	413747	
1,4-DFB	1510784	
CB-d5	1265249	

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

Verify 176/174 m/z Ratio: 1127323 / 1174592 x 100 = 95.98%

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 665317\ )}{(\ 413747\ )} \times \frac{(\ 25.0\ )}{(\ 1.65441\ )} =$ 24.299

Reported Result 24.299

File ID:	1080802
Compound:	1,2-DCA-d4
Initials:	CB

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1080801	BFB Tune Check	843-2915	50psig	2mL	1.00	CB	8/8/07	0922	CB/	
2	✓	02	CCV-1 (200ppbv)	1443-239	50ppbv	50mL		CB		1000	CB/	
3	✓	03	LCS-1 (200ppbv)	1443-163	50ppbv	50mL		CB		1044	CB/	ICAL LCS
4	✓	04	Lab Blank	31437	Humid	200mL	↓	CB	↓	1140		
5		05	0708137 - 01A	1L Bag	Tedlar	10mL	20.0	CB				
6												
7												
8			8/8/07									
9												

Air Toxics Ltd.

Modified EPA Methods TO-14A/TO-15

Internal Standard and Associated Target Compounds and Surrogates

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-08aug.b/1080803.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 08-AUG-2007 10:44
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-163
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /var/chem/msd1.i/1-08aug.b/t14q807a.m
Meth Date : 08-Aug-2007 10:27 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	382568	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	308595			28.86- 128.86	80.66
12.696	12.696 (1.000)	49	1139744			248.38- 348.38	297.92
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1418503	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	216605			0.00- 64.95	15.27
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1209061	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	652237			4.35- 104.35	53.95
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	646145	25.5222	25.522	80.00- 120.00	100.00
13.802	13.802 (1.085)	67	332435			2.32- 102.32	51.45
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.120	17.120 (1.181)	98	1259267	24.7956	24.796	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	140221			0.00- 61.39	11.14

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	889326			21.82- 121.82	70.62
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	670355	24.8956	24.896	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	1039882			102.87- 202.87	155.12
21.848	21.848 (1.105)	176	640446			45.32- 145.32	95.54
12 Propylene					CAS #: 115-07-1		
4.650	4.650 (0.365)	41	1243347	50.4871	50.487	80.00- 120.00	100.00
4.650	4.650 (0.365)	42	887218			21.55- 121.55	71.36
4.650	4.650 (0.365)	39	971415			32.37- 132.37	78.13
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	3380313	50.5487	50.549	80.00- 120.00	100.00
4.761	4.761 (0.374)	87	1059480			0.00- 81.57	31.34
18 Freon 114					CAS #: 76-14-2		
5.065	5.065 (0.398)	135	2464261	53.1231	53.123	80.00- 120.00	100.00
5.065	5.065 (0.398)	137	753371			0.00- 81.60	30.57
19 Chloromethane					CAS #: 74-87-3		
5.342	5.342 (0.420)	50	1723497	50.6016	50.602	80.00- 120.00	100.00
5.342	5.342 (0.420)	52	562502			0.00- 84.77	32.64
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	2127775	52.8163	52.816	80.00- 120.00	100.00
5.701	5.701 (0.448)	64	603681			0.00- 80.38	28.37
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.701 (0.448)	54	1600641	52.4071	52.407	80.00- 120.00	100.00
5.701	5.701 (0.448)	39	1256625			31.49- 131.49	78.51
27 Bromomethane					CAS #: 74-83-9		
6.696	6.697 (0.526)	94	1396164	55.5381	55.538	80.00- 120.00	100.00
6.696	6.697 (0.526)	96	1310204			42.94- 142.94	93.84
30 Chloroethane					CAS #: 75-00-3		
6.945	6.945 (0.546)	64	998266	50.4299	50.430	80.00- 120.00	100.00
6.945	6.945 (0.546)	49	285470			0.00- 79.94	28.60
6.945	6.945 (0.546)	66	287741			0.00- 79.23	28.82
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.498	7.498 (0.589)	101	3630218	52.3798	52.380	80.00- 120.00	100.00
7.498	7.498 (0.589)	103	2307995			14.39- 114.39	63.58

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	629182	48.5623	48.562	80.00- 120.00	100.00
7.996	7.996 (0.628)	43	117352			0.00- 76.62	18.65
7.996	7.996 (0.628)	46	223613			0.00- 84.38	35.54
44 Freon 113					CAS #: 76-13-1		
8.715	8.715 (0.685)	151	1965146	52.5739	52.574	80.00- 120.00	100.00
8.715	8.715 (0.685)	153	1236256			14.16- 114.16	62.91
8.715	8.715 (0.685)	101	2677047			89.46- 189.46	136.23
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	3196750	51.0584	51.058	80.00- 120.00	100.00
8.798	8.798 (0.691)	96	1417715			0.00- 94.13	44.35
8.798	8.798 (0.691)	98	882961			0.00- 77.56	27.62
46 Acetone					CAS #: 67-64-1		
8.964	8.964 (0.704)	58	986007	47.7470	47.747	80.00- 120.00	100.00
8.964	8.964 (0.704)	43	2663512			218.71- 318.71	270.13
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	3078060	48.9520	48.952	80.00- 120.00	100.00
9.157	9.157 (0.720)	43	648417			0.00- 70.92	21.07
9.157	9.157 (0.720)	59	129146			0.00- 54.48	4.20
49 Carbon Disulfide					CAS #: 75-15-0		
9.295	9.323 (0.731)	76	4551198	49.5466	49.547	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.600	9.600 (0.754)	76	734603	50.1656	50.166	80.00- 120.00	100.00
9.600	9.600 (0.754)	41	2224073			257.91- 357.91	302.76
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	2235735	48.6319	48.632	80.00- 120.00	100.00
9.904	9.904 (0.778)	84	1214738			2.73- 102.73	54.33
9.904	9.904 (0.778)	51	709456			0.00- 81.78	31.73
60 MTBE					CAS #: 1634-04-4		
10.263	10.291 (0.807)	73	1268730	33.4869	33.487	80.00- 120.00	100.00
10.263	10.291 (0.807)	57	410667			0.00- 82.09	32.37
10.263	10.291 (0.807)	41	318255			0.00- 78.00	25.08
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.346	10.374 (0.813)	96	1606683	51.2294	51.229	80.00- 120.00	100.00
10.346	10.346 (0.813)	61	3208877			148.26- 248.26	199.72
10.346	10.374 (0.813)	98	1004534			16.72- 116.72	62.52

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.706	10.733 (0.841)	57	3451359	51.0558	51.056	80.00- 120.00	100.00
10.706	10.733 (0.841)	43	1791114			1.68- 101.68	51.90
10.733	10.733 (0.844)	86	340338			0.00- 60.34	9.86
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	321613	51.3641	51.364	80.00- 120.00	100.00
11.176	11.203 (0.878)	43	4792786			1452.24-1552.24	1490.23
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	3773871	52.2111	52.211	80.00- 120.00	100.00
11.203	11.203 (0.880)	65	1084287			0.00- 78.90	28.73
75 2-Butanone					CAS #: 78-93-3		
12.226	12.254 (0.961)	72	717231	53.9383	53.938	80.00- 120.00	100.00
12.226	12.226 (0.961)	43	3459514			461.50- 561.50	482.34
12.226	12.254 (0.961)	57	319225			0.00- 97.87	44.51
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	2753254	51.3781	51.378	80.00- 120.00	100.00
12.254	12.254 (0.963)	96	1475079			3.52- 103.52	53.58
12.254	12.254 (0.963)	98	930557			0.00- 84.29	33.80
79 Tetrahydrofuran					CAS #: 109-99-9		
12.696	12.696 (0.998)	42	1820336	43.9046	43.904	80.00- 120.00	100.00
12.696	12.696 (0.998)	71	631402			0.00- 84.37	34.69
12.696	12.696 (0.998)	72	674131			0.00- 87.61	37.03
81 Chloroform					CAS #: 67-66-3		
12.779	12.779 (1.004)	83	2611110	51.1661	51.166	80.00- 120.00	100.00
12.779	12.779 (1.004)	85	1658643			12.81- 112.81	63.52
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2602977	52.1527	52.153	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1643117			12.83- 112.83	63.12
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	1671080	51.9301	51.930	80.00- 120.00	100.00
13.139	13.139 (1.033)	56	3022436			130.84- 230.84	180.87
13.139	13.139 (1.033)	41	1361523			31.80- 131.80	81.48
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2596052	54.2762	54.276	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	2714507			54.45- 154.45	104.56
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	8696423	50.9056	50.906	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	2888121			0.00- 83.11	33.21
13.747	13.747 (0.948)	41	1904649			0.00- 72.29	21.90
91 Benzene					CAS #: 71-43-2		
13.802	13.802 (0.952)	78	3650957	49.7960	49.796	80.00- 120.00	100.00
13.802	13.802 (0.952)	77	801471			0.00- 72.79	21.95
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	2310510	50.4727	50.473	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	678081			0.00- 79.00	29.35
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	1201445	50.9442	50.944	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2604548			176.98- 276.98	216.78
14.051	14.051 (0.969)	57	1666192			85.42- 185.42	138.68
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1455448	49.8719	49.872	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1398888			46.18- 146.18	96.11
14.964	14.964 (1.032)	97	922230			13.93- 113.93	63.36
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1685480	49.4216	49.422	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	1282372			24.12- 124.12	76.08
15.461	15.461 (1.067)	41	889859			4.15- 104.15	52.80
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	775063	47.3071	47.307	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	773709			53.02- 153.02	99.83
15.600	15.600 (1.076)	57	269473			0.00- 84.19	34.77
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2335360	52.0438	52.044	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1500787			13.74- 113.74	64.26
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1948202	50.5591	50.559	80.00- 120.00	100.00
16.706	16.706 (1.153)	77	620216			0.00- 81.63	31.84
16.706	16.706 (1.153)	39	1251640			15.89- 115.89	64.25
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	1580467	50.6786	50.679	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	3458588			163.33- 263.33	218.83
16.899	16.899 (1.166)	85	434614			0.00- 76.84	27.50

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	3881631	49.5630	49.563	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	2473846			12.54- 112.54	63.73
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	2017676	52.0161	52.016	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	634487			0.00- 81.06	31.45
17.701	17.701 (0.895)	39	1252014			12.23- 112.23	62.05
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	1408426	49.6767	49.677	80.00- 120.00	100.00
18.033	18.033 (0.912)	99	856896			11.13- 111.13	60.84
18.033	18.033 (0.912)	83	1145899			31.09- 131.09	81.36
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	1691184	52.0048	52.005	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	1346089			29.14- 129.14	79.59
18.199	18.199 (0.920)	131	1334038			28.99- 128.99	78.88
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	2218180	49.8055	49.806	80.00- 120.00	100.00
18.364	18.365 (0.929)	43	3483281			103.31- 203.31	157.03
18.392	18.392 (0.930)	100	275098			0.00- 61.82	12.40
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	2489193	53.8067	53.807	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	1938443			28.51- 128.51	77.87
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.001 (0.961)	107	2303776	51.3014	51.301	80.00- 120.00	100.00
19.000	19.001 (0.961)	109	2126101			44.44- 144.44	92.29
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	3666466	50.6138	50.614	80.00- 120.00	100.00
19.830	19.830 (1.003)	114	1153240			0.00- 82.17	31.45
19.802	19.802 (1.001)	77	2064983			7.23- 107.23	56.32
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1867849	51.3677	51.368	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	5948982			274.52- 374.52	318.49
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	2411680	49.5366	49.536	80.00- 120.00	100.00
20.134	20.107 (1.018)	91	4893497			148.90- 248.90	202.91
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	2450430	50.5799	50.580	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	5095713			159.77- 259.77	207.95
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	4018630	51.9138	51.914	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	1973967			0.00- 99.47	49.12
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	2471682	53.7300	53.730	80.00- 120.00	100.00
21.295	21.295 (1.077)	171	1290949			2.05- 102.05	52.23
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	7369948	50.7599	50.760	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	2008969			0.00- 77.64	27.26
21.461	21.461 (1.085)	51	973404			0.00- 63.65	13.21
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	4347643	49.3014	49.301	80.00- 120.00	100.00
22.070	22.070 (1.116)	85	2739939			13.39- 113.39	63.02
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	10383605	51.0631	51.063	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	2338038			0.00- 72.66	22.52
22.208	22.208 (1.123)	105	364656			0.00- 53.91	3.51
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	8883049	50.9703	50.970	80.00- 120.00	100.00
22.401	22.401 (1.133)	120	2802615			0.00- 81.71	31.55
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	7468706	50.0063	50.006	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	3862631			0.56- 100.56	51.72
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	7787787	50.4115	50.411	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	3813179			0.00- 98.43	48.96
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.812 (1.204)	146	5594756	50.1283	50.128	80.00- 120.00	100.00
23.811	23.812 (1.204)	148	3493153			13.75- 113.75	62.44
23.811	23.812 (1.204)	111	2390925			0.00- 93.40	42.74
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	5980336	50.4531	50.453	80.00- 120.00	100.00
23.977	23.977 (1.213)	148	3687163			12.68- 112.68	61.65
23.977	23.977 (1.213)	111	2427146			0.00- 90.67	40.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	9799609	52.7216	52.722	80.00- 120.00	100.00
24.199	24.199 (1.224)	126	1846009			0.00- 69.63	18.84
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	5997705	50.0162	50.016	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	3759824			11.35- 111.35	62.69
24.669	24.669 (1.247)	111	2682830			0.00- 93.95	44.73
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	4246457	49.0462	49.046	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	4019000			43.82- 143.82	94.64
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	3018334	50.0258	50.026	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	1902398			12.86- 112.86	63.03
29 Isopentane					CAS #: 78-78-4		
6.973	7.001 (0.548)	43	1974263	48.6007	48.601	80.00- 120.00	100.00
6.973	7.001 (0.548)	57	1644390			28.96- 128.96	83.29
20 Butane					CAS #: 106-97-8		
5.535	5.563 (0.435)	58	327750	49.6445	49.644	80.00- 120.00	100.00
5.535	5.563 (0.435)	43	2358801			658.53- 758.53	719.70
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1981595	49.9135	49.913	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	885146			0.00- 93.50	44.67
15.240	15.240 (1.052)	55	2431090			70.64- 170.64	122.68
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	10850199	49.9819	49.982	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	1312428			0.00- 62.45	12.10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1080803.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-08aug.b/t14q807a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 08-AUG-2007
Calibration Time: 10:00
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	413747	248248	579246	382568	-7.54
96 1,4-Difluorobenze	1510784	906470	2115098	1418503	-6.11
125 Chlorobenzene-d5	1265249	759149	1771349	1209061	-4.44

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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-Aug-2007 11:07

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-08aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd1.i/1-08aug.b/t14q807a.m
Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
15 Dichlorodifluorome	50.000	50.549	101.10	70-130
18 Freon 114	50.000	53.123	106.25	70-130
19 Chloromethane	50.000	50.602	101.20	70-130
22 Vinyl Chloride	50.000	52.816	105.63	70-130
23 1,3-Butadiene	50.000	52.407	104.81	60-140
27 Bromomethane	50.000	55.538	111.08	70-130
30 Chloroethane	50.000	50.430	100.86	70-130
32 Trichlorofluoromet	50.000	52.380	104.76	70-130
39 Ethanol	50.000	48.562	97.12	60-140
44 Freon 113	50.000	52.574	105.15	70-130
45 1,1-Dichloroethene	50.000	51.058	102.12	70-130
46 Acetone	50.000	47.747	95.49	60-140
49 Carbon Disulfide	50.000	49.547	99.09	60-140
47 2-Propanol	50.000	48.952	97.90	60-140
56 Methylene Chloride	50.000	48.632	97.26	70-130
60 MTBE	50.000	33.487	66.97	60-140
61 trans-1,2-Dichloro	50.000	51.229	102.46	60-140
65 Hexane	50.000	51.056	102.11	60-140
70 1,1-Dichloroethane	50.000	52.211	104.42	70-130
77 cis-1,2-Dichloroet	50.000	51.378	102.76	70-130
75 2-Butanone	50.000	53.938	107.88	60-140
79 Tetrahydrofuran	50.000	43.904	87.81	60-140
81 Chloroform	50.000	51.166	102.33	70-130
84 Cyclohexane	50.000	51.930	103.86	60-140
83 1,1,1-Trichloroeth	50.000	52.153	104.31	70-130
86 Carbon Tetrachlori	50.000	54.276	108.55	70-130
91 Benzene	50.000	49.796	99.59	70-130
93 1,2-Dichloroethane	50.000	50.473	100.95	70-130
94 Heptane	50.000	50.944	101.89	60-140
100 Trichloroethene	50.000	49.872	99.74	70-130
104 1,2-Dichloropropan	50.000	49.422	98.84	70-130
106 1,4-Dioxane	50.000	47.307	94.61	60-140
108 Bromodichlorometha	50.000	52.044	104.09	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
111 cis-1,3-Dichloropr	50.000	50.559	101.12	70-130
112 4-Methyl-2-pentano	50.000	50.679	101.36	60-140
115 Toluene	50.000	49.563	99.13	70-130
116 trans-1,3-Dichloro	50.000	52.016	104.03	70-130
118 1,1,2-Trichloroeth	50.000	49.677	99.35	70-130
119 Tetrachloroethene	50.000	52.005	104.01	70-130
120 2-Hexanone	50.000	49.806	99.61	60-140
123 Dibromochlorometha	50.000	53.807	107.61	60-140
124 1,2-Dibromoethane	50.000	51.301	102.60	70-130
126 Chlorobenzene	50.000	50.614	101.23	70-130
128 Ethyl Benzene	50.000	51.368	102.74	70-130
130 m,p-Xylene	50.000	49.536	99.07	70-130
131 o-Xylene	50.000	50.580	101.16	70-130
132 Styrene	50.000	51.914	103.83	70-130
133 Bromoform	50.000	53.730	107.46	60-140
138 1,1,2,2-Tetrachlor	50.000	49.301	98.60	70-130
144 4-Ethyltoluene	50.000	50.970	101.94	60-140
146 1,3,5-Trimethylben	50.000	50.006	100.01	70-130
150 1,2,4-Trimethylben	50.000	50.411	100.82	70-130
156 1,3-Dichlorobenzen	50.000	50.128	100.26	70-130
157 1,4-Dichlorobenzen	50.000	50.453	100.91	70-130
159 alpha-Chlorotoluen	50.000	52.722	105.44	70-130
162 1,2-Dichlorobenzen	50.000	50.016	100.03	70-130
167 1,2,4-Trichloroben	50.000	49.046	98.09	70-130
168 Hexachlorobutadien	50.000	50.026	100.05	70-130
139 Propylbenzene	50.000	51.063	102.13	60-140
135 Cumene	50.000	50.760	101.52	60-140
51 3-Chloropropene	50.000	50.166	100.33	60-140
89 2,2,4-Trimethylpen	50.000	50.906	101.81	60-140
29 Isopentane	50.000	48.601	97.20	70-130
20 Butane	50.000	49.644	99.29	70-130
102 Methyl Cyclohexane	50.000	49.913	99.83	70-130
12 Propylene	50.000	50.487	100.97	60-140
169 Naphthalene	50.000	49.982	99.96	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.522	102.09	70-130
$ 113 Toluene-d8	25.000	24.796	99.18	70-130
$ 137 Bromofluorobenzene	25.000	24.896	99.58	70-130

Data File: /chem/msd1.i/1-08aug.b/1080803.d

Date : 08-AUG-2007 10:44

Client ID: LCS-1

Sample Info: 50mL #1443-163

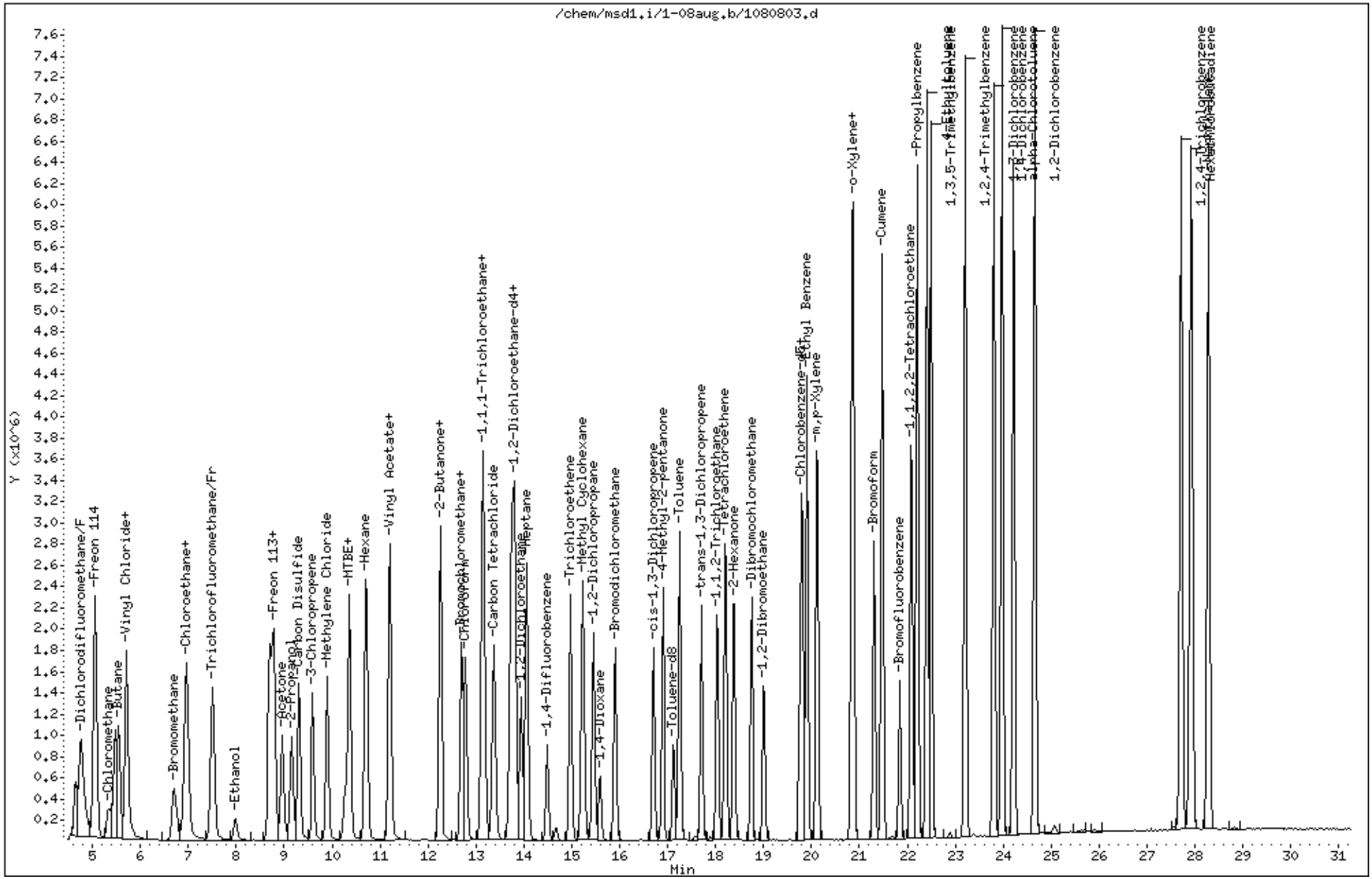
Column phase: RTx-624

Instrument: msd1.i

Operator: cb

Column diameter: 0.53

0073



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080711.d
Lab Smp Id: ICAL Level 2 Client Smp ID: Level 2
Inj Date : 07-AUG-2007 19:00
Operator : xp Inst ID: msd1.i
Smp Info : 0.5ml #1443-239
Misc Info : 200ppbv-0.5ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:09 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 19:00 Cal File: 1080711.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
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	407455	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	318325			28.91- 128.91	78.13
12.724	12.724 (1.000)	49	859756			228.07- 328.07	211.01
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1439256	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	214254			0.00- 65.18	14.89
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1265989	25.0000		50.00- 150.00	100.00
19.775	19.775 (1.000)	82	683592			4.35- 104.35	54.00
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.803	13.803 (1.085)	65	627935	25.0000	23.288	50.00- 150.00	100.00
13.803	13.803 (1.085)	67	295536			2.32- 102.32	47.06
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1254685	25.0000	24.349	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	146053			0.00- 61.39	11.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	919886			21.82- 121.82	73.32
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.849	21.849 (1.105)	174	668280	25.0000	23.702	50.00- 150.00	100.00
21.849	21.849 (1.105)	95	1086528			106.26- 206.26	162.59
21.849	21.849 (1.105)	176	642678			44.36- 144.36	96.17
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	34540	0.50000	0.4850	50.00- 150.00	100.00(a)
4.789	4.789 (0.376)	87	11190			0.00- 81.57	32.40
18 Freon 114					CAS #: 76-14-2		
5.093	5.093 (0.400)	135	22008	0.50000	0.4454	50.00- 150.00	100.00(a)
5.065	5.065 (0.398)	137	7853			0.00- 82.77	35.68
22 Vinyl Chloride					CAS #: 75-01-4		
5.729	5.729 (0.450)	62	18981	0.50000	0.4424	50.00- 150.00	100.00(a)
5.701	5.701 (0.448)	64	6129			0.00- 80.38	32.29
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.701 (0.448)	54	14301	0.50000	0.4396	50.00- 150.00	100.00(a)
5.701	5.701 (0.448)	39	12348			31.49- 131.49	86.34
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	9157	0.50000	0.3420	50.00- 150.00	100.00(a)
6.697	6.697 (0.526)	96	12790			51.16- 151.16	139.67
30 Chloroethane					CAS #: 75-00-3		
6.946	6.946 (0.546)	64	11055	0.50000	0.5244	50.00- 150.00	100.00
6.973	6.973 (0.548)	49	2782			0.00- 79.94	25.17
7.001	7.001 (0.550)	66	2938			0.00- 79.23	26.58
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.526	7.526 (0.591)	101	31303	0.50000	0.4241	50.00- 150.00	100.00(a)
7.526	7.526 (0.591)	103	20956			14.40- 114.40	66.95
44 Freon 113					CAS #: 76-13-1		
8.715	8.715 (0.685)	151	15655	0.50000	0.3932	50.00- 150.00	100.00(a)
8.715	8.715 (0.685)	153	9904			12.61- 112.61	63.26
8.715	8.715 (0.685)	101	27378			93.51- 193.51	174.88
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	30057	0.50000	0.4507	50.00- 150.00	100.00(a)
8.798	8.798 (0.691)	96	13069			0.00- 95.26	43.48
8.798	8.798 (0.691)	98	7029			0.00- 77.08	23.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
49 Carbon Disulfide						CAS #: 75-15-0	
9.323	9.323 (0.733)	76	45559	0.50000	0.4657	50.00- 150.00	100.00(a)
56 Methylene Chloride						CAS #: 75-09-2	
9.904	9.904 (0.778)	49	25153	0.50000	0.5137	50.00- 150.00	100.00
9.932	9.932 (0.781)	84	13404			3.92- 103.92	53.29
9.932	9.932 (0.781)	51	8089			0.00- 81.78	32.16
60 MTBE						CAS #: 1634-04-4	
10.291	10.291 (0.809)	73	20896	0.50000	0.5178	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	9817			0.00- 84.90	46.98
10.236	10.236 (0.804)	41	7704			0.00- 78.00	36.87
61 trans-1,2-Dichloroethene						CAS #: 156-60-5	
10.374	10.374 (0.815)	96	13346	0.50000	0.3995	50.00- 150.00	100.00(a)
10.374	10.374 (0.815)	61	26699			148.62- 248.62	200.05
10.374	10.374 (0.815)	98	11158			16.72- 116.72	83.61
65 Hexane						CAS #: 110-54-3	
10.733	10.733 (0.844)	57	32129	0.50000	0.4462	50.00- 150.00	100.00(a)
10.733	10.733 (0.844)	43	15462			1.68- 101.68	48.12
10.733	10.733 (0.844)	86	4081			0.00- 60.34	12.70
70 1,1-Dichloroethane						CAS #: 75-34-3	
11.204	11.204 (0.880)	63	29755	0.50000	0.3865	50.00- 150.00	100.00(a)
11.204	11.204 (0.880)	65	10393			0.00- 79.62	34.93
75 2-Butanone						CAS #: 78-93-3	
12.254	12.254 (0.963)	72	5835	0.50000	0.4120	50.00- 150.00	100.00(a)
12.254	12.254 (0.963)	43	34039			476.77- 576.77	583.36
12.254	12.254 (0.963)	57	3209			0.00- 97.87	55.00
77 cis-1,2-Dichloroethene						CAS #: 156-59-2	
12.254	12.254 (0.963)	61	23710	0.50000	0.4154	50.00- 150.00	100.00(a)
12.282	12.282 (0.965)	96	13337			3.98- 103.98	56.25
12.282	12.282 (0.965)	98	7487			0.00- 83.59	31.58
79 Tetrahydrofuran						CAS #: 109-99-9	
12.724	12.724 (1.000)	42	30032	0.50000	0.6801	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	9532			0.00- 83.40	31.74
12.724	12.724 (1.000)	72	12255			0.00- 87.61	40.81
81 Chloroform						CAS #: 67-66-3	
12.780	12.780 (1.004)	83	22303	0.50000	0.4103	50.00- 150.00	100.00(a)
12.807	12.807 (1.007)	85	14589			13.66- 113.66	65.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	21751	0.50000	0.4092	50.00- 150.00	100.00(a)
13.139	13.139 (1.033)	99	13332			12.60- 112.60	61.29
84 Cyclohexane					CAS #: 110-82-7		
13.167	13.167 (1.035)	84	12665	0.50000	0.3695	50.00- 150.00	100.00(a)
13.139	13.139 (1.033)	56	27613			133.49- 233.49	218.03
13.139	13.139 (1.033)	41	15594			41.56- 141.56	123.13
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	17369	0.50000	0.3410	50.00- 150.00	100.00(a)
13.388	13.388 (1.052)	117	19841			59.14- 159.14	114.23
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	30725	0.50000	0.4130	50.00- 150.00	100.00(a)
13.830	13.830 (0.954)	77	9074			0.00- 72.79	29.53
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	72854	0.50000	0.4203	50.00- 150.00	100.00(a)
13.747	13.747 (0.948)	56	24032			0.00- 83.11	32.99
13.747	13.747 (0.948)	41	17067			0.00- 72.29	23.43
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	19151	0.50000	0.4123	50.00- 150.00	100.00(a)
13.941	13.941 (0.962)	64	5399			0.00- 79.00	28.19
94 Heptane					CAS #: 142-82-5		
14.079	14.079 (0.971)	71	11481	0.50000	0.4798	50.00- 150.00	100.00(a)
14.051	14.051 (0.969)	43	26344			176.98- 276.98	229.46
14.051	14.051 (0.969)	57	14249			85.42- 185.42	124.11
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	13904	0.50000	0.4696	50.00- 150.00	100.00(a)
14.964	14.964 (1.032)	130	11672			41.09- 141.09	83.95
14.964	14.964 (1.032)	97	8052			12.28- 112.28	57.91
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.462	15.462 (1.067)	63	17013	0.50000	0.4917	50.00- 150.00	100.00(a)
15.462	15.462 (1.067)	62	11050			22.59- 122.59	64.95
15.462	15.462 (1.067)	41	10056			7.68- 107.68	59.11
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	17887	0.50000	0.3929	50.00- 150.00	100.00(a)
15.904	15.904 (1.097)	85	11687			14.60- 114.60	65.34
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	17719	0.50000	0.4532	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
111 cis-1,3-Dichloropropene (continued)							
16.706	16.706 (1.153)	77	4787			0.00- 80.76	27.02
16.678	16.678 (1.151)	39	13149			17.93- 117.93	74.21
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	13404	0.50000	0.4236	50.00- 150.00	100.00(a)
16.899	16.899 (1.166)	43	27466			163.33- 263.33	204.91
16.927	16.927 (1.168)	85	3160			0.00- 76.84	23.58
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	36217	0.50000	0.4558	50.00- 150.00	100.00(a)
17.259	17.259 (1.191)	92	21067			12.51- 112.51	58.17
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	17115	0.50000	0.4214	50.00- 150.00	100.00(a)
17.701	17.701 (0.895)	77	5434			0.00- 81.89	31.75
17.701	17.701 (0.895)	39	15203			20.32- 120.32	88.83
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.061	18.061 (0.913)	97	14653	0.50000	0.4936	50.00- 150.00	100.00(a)
18.061	18.061 (0.913)	99	6713			8.60- 108.60	45.81
18.033	18.033 (0.912)	83	9650			30.06- 130.06	65.86
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	14494	0.50000	0.4256	50.00- 150.00	100.00(a)
18.226	18.226 (0.922)	129	11702			29.31- 129.31	80.74
18.199	18.199 (0.920)	131	12381			30.82- 130.82	85.42
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	17218	0.50000	0.3554	50.00- 150.00	100.00(a)
18.752	18.752 (0.948)	127	13600			28.51- 128.51	78.99
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.028	19.028 (0.962)	107	19559	0.50000	0.4160	50.00- 150.00	100.00(a)
19.001	19.001 (0.961)	109	16493			39.73- 139.73	84.32
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	30824	0.50000	0.4064	50.00- 150.00	100.00(a)
19.802	19.802 (1.001)	114	12057			0.00- 82.85	39.12
19.802	19.802 (1.001)	77	30027			15.92- 115.92	97.41
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	15695	0.50000	0.4122	50.00- 150.00	100.00(a)
19.913	19.913 (1.007)	91	52843			274.52- 374.52	336.69
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	21956	0.50000	0.4307	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
20.107	20.107 (1.017)	91	44291			148.90- 248.90	201.73
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	21885	0.50000	0.4314	50.00- 150.00	100.00(a)
20.853	20.853 (1.055)	91	48467			161.03- 261.03	221.46
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	31033	0.50000	0.3829	50.00- 150.00	100.00(a)
20.881	20.881 (1.056)	78	19292			2.86- 102.86	62.17
133 Bromoform					CAS #: 75-25-2		
21.296	21.296 (1.077)	173	16143	0.50000	0.3351	50.00- 150.00	100.00(a)
21.296	21.296 (1.077)	171	9372			3.29- 103.29	58.06
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	64452	0.50000	0.4239	50.00- 150.00	100.00(a)
21.461	21.461 (1.085)	120	19365			0.00- 77.64	30.05
21.461	21.461 (1.085)	51	9778			0.00- 63.65	15.17
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	40469	0.50000	0.4383	50.00- 150.00	100.00(a)
22.070	22.070 (1.116)	85	24233			12.26- 112.26	59.88
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	95088	0.50000	0.4466	50.00- 150.00	100.00(a)
22.208	22.208 (1.123)	120	22836			0.00- 72.66	24.02
22.208	22.208 (1.123)	105	5524			0.00- 53.91	5.81
144 4-Ethyltoluene					CAS #: 622-96-8		
22.402	22.402 (1.133)	105	83334	0.50000	0.4567	50.00- 150.00	100.00(a)
22.402	22.402 (1.133)	120	26271			0.00- 81.62	31.52
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	71852	0.50000	0.4594	50.00- 150.00	100.00(a)
22.512	22.512 (1.138)	120	32697			0.56- 100.56	45.51
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	73540	0.50000	0.4546	50.00- 150.00	100.00(a)
23.203	23.203 (1.173)	120	34701			0.00- 98.43	47.19
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	52785	0.50000	0.4517	50.00- 150.00	100.00(a)
23.812	23.812 (1.204)	148	35480			13.75- 113.75	67.22
23.812	23.812 (1.204)	111	23458			0.00- 93.40	44.44

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.978	23.978 (1.213)	146	57160	0.50000	0.4605	50.00- 150.00	100.00(a)
23.978	23.978 (1.213)	148	35736			12.68- 112.68	62.52
23.978	23.978 (1.213)	111	22054			0.00- 90.67	38.58
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	81247	0.50000	0.4174	50.00- 150.00	100.00(a)
24.199	24.199 (1.224)	126	18698			0.00- 69.63	23.01
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	56990	0.50000	0.4539	50.00- 150.00	100.00(a)
24.669	24.669 (1.247)	148	37513			13.47- 113.47	65.82
24.669	24.669 (1.247)	111	24115			0.00- 93.43	42.31
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	18449	0.50000	0.4580	50.00- 150.00	100.00(a)
15.240	15.240 (1.052)	98	7278			0.00- 93.50	39.45
15.240	15.240 (1.052)	55	21585			70.64- 170.64	117.00
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	98131	0.50000	0.4317	50.00- 150.00	100.00(a)
28.291	28.291 (1.431)	127	14473			0.00- 62.45	14.75

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: msd1.i
Lab File ID: 1080711.d
Lab Smp Id: ICAL Level 2
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-0.5ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	407455	9.42
96 1,4-Difluorobenze	1386575	831945	1941205	1439256	3.80
125 Chlorobenzene-d5	1175809	705485	1646133	1265989	7.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

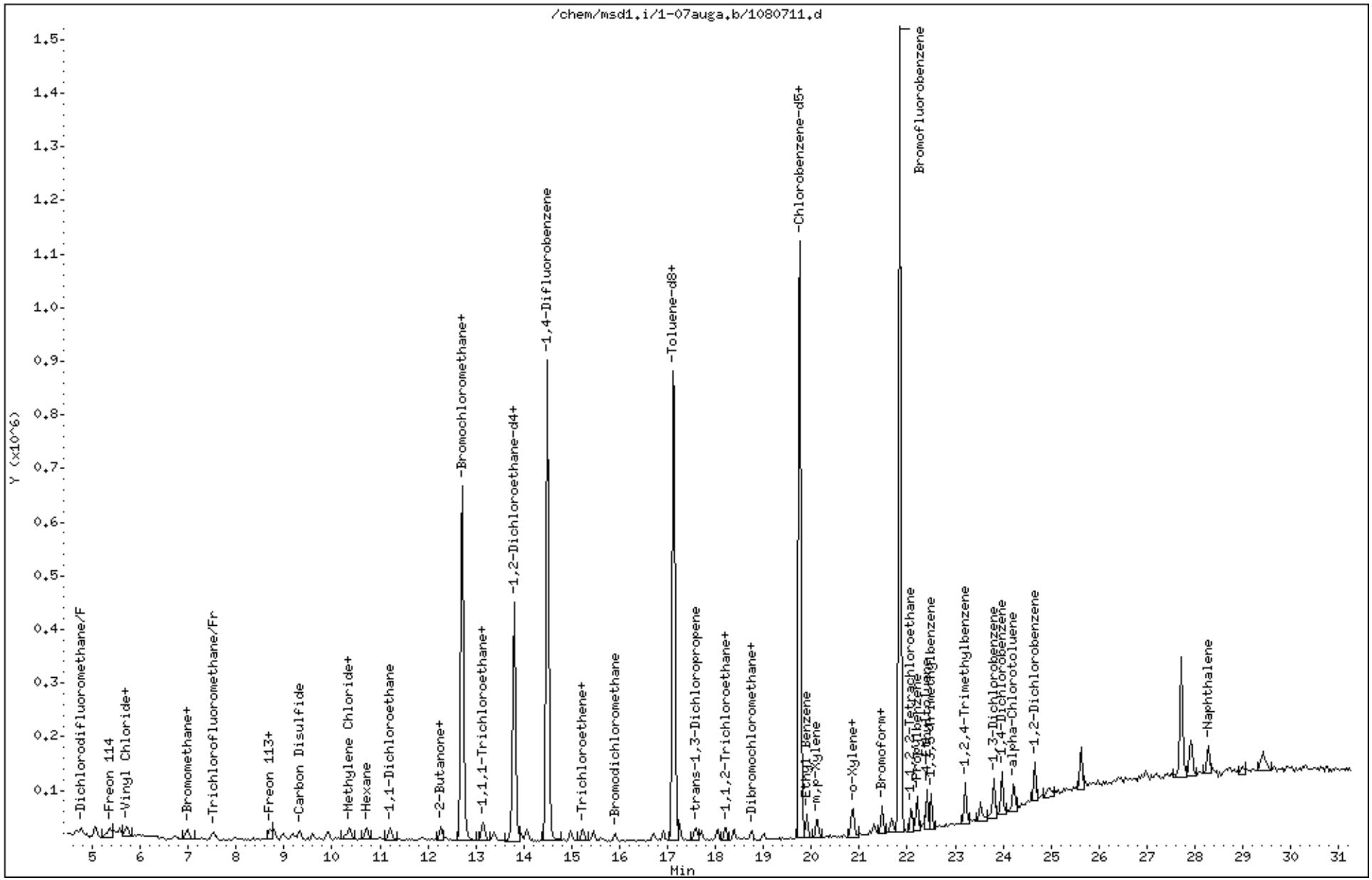
0082

Data File: /chem/msd1.i/1-07auga.b/1080711.d
Date : 07-AUG-2007 19:00
Client ID: Level 2
Sample Info: 0.5ml #1443-239

Instrument: msd1.i

Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080712.d
Lab Smp Id: ICAL Level 3 Client Smp ID: Level 3
Inj Date : 07-AUG-2007 19:41
Operator : xp Inst ID: msd1.i
Smp Info : 2.0ml #1443-239
Misc Info : 200ppbv-2.0ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:09 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 19:41 Cal File: 1080712.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
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	367932	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	293216			28.91- 128.91	79.69
12.724	12.724 (1.000)	49	807997			228.07- 328.07	219.60
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1306174	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	201948			0.00- 65.18	15.46
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1182158	25.0000		50.00- 150.00	100.00
19.775	19.775 (1.000)	82	634945			4.35- 104.35	53.71
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	590244	25.0000	24.242	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	285204			2.32- 102.32	48.32
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1194470	25.0000	25.542	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	138679			0.00- 61.39	11.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	864849			21.82- 121.82	72.40
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	654148	25.0000	24.846	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	989749			106.26- 206.26	151.30
21.848	21.848 (1.105)	176	614764			44.36- 144.36	93.98
12 Propylene					CAS #: 115-07-1		
4.650	4.650 (0.365)	41	47542	2.00000	2.007	50.00- 150.00	100.00
4.678	4.678 (0.368)	42	35353			21.55- 121.55	74.36
4.650	4.650 (0.365)	39	44947			32.37- 132.37	94.54
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	121244	2.00000	1.885	50.00- 150.00	100.00
4.761	4.761 (0.374)	87	36194			0.00- 81.57	29.85
18 Freon 114					CAS #: 76-14-2		
5.093	5.093 (0.400)	135	81843	2.00000	1.834	50.00- 150.00	100.00
5.093	5.093 (0.400)	137	28357			0.00- 82.77	34.65
19 Chloromethane					CAS #: 74-87-3		
5.369	5.369 (0.422)	50	67127	2.00000	2.049	50.00- 150.00	100.00
5.397	5.397 (0.424)	52	26269			0.00- 84.77	39.13
22 Vinyl Chloride					CAS #: 75-01-4		
5.729	5.729 (0.450)	62	66960	2.00000	1.728	50.00- 150.00	100.00
5.701	5.701 (0.448)	64	23041			0.00- 80.38	34.41
23 1,3-Butadiene					CAS #: 106-99-0		
5.729	5.729 (0.450)	54	53338	2.00000	1.816	50.00- 150.00	100.00
5.701	5.701 (0.448)	39	46568			31.49- 131.49	87.31
27 Bromomethane					CAS #: 74-83-9		
6.724	6.724 (0.528)	94	48676	2.00000	2.013	50.00- 150.00	100.00
6.697	6.697 (0.526)	96	42666			51.16- 151.16	87.65
30 Chloroethane					CAS #: 75-00-3		
6.973	6.973 (0.548)	64	32463	2.00000	1.705	50.00- 150.00	100.00
6.973	6.973 (0.548)	49	12027			0.00- 79.94	37.05
6.973	6.973 (0.548)	66	10149			0.00- 79.23	31.26
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.526	7.526 (0.591)	101	118120	2.00000	1.772	50.00- 150.00	100.00
7.526	7.526 (0.591)	103	75766			14.40- 114.40	64.14

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	22439	2.00000	1.801	50.00- 150.00	100.00(a)
8.024	8.024 (0.631)	43	10507			0.00- 76.62	46.82
7.996	7.996 (0.628)	46	6751			0.00- 84.38	30.09
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	67216	2.00000	1.870	50.00- 150.00	100.00
8.715	8.715 (0.685)	153	41237			12.61- 112.61	61.35
8.715	8.715 (0.685)	101	86644			93.51- 193.51	128.90
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	106939	2.00000	1.776	50.00- 150.00	100.00
8.798	8.798 (0.691)	96	53079			0.00- 95.26	49.63
8.798	8.798 (0.691)	98	29753			0.00- 77.08	27.82
46 Acetone					CAS #: 67-64-1		
8.991	8.991 (0.707)	58	36381	2.00000	1.832	50.00- 150.00	100.00(a)
8.991	8.991 (0.707)	43	101224			218.71- 318.71	278.23
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	102443	2.00000	1.694	50.00- 150.00	100.00(a)
9.185	9.185 (0.722)	43	21885			0.00- 70.92	21.36
9.185	9.185 (0.722)	59	4822			0.00- 54.48	4.71
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	154510	2.00000	1.749	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	21629	2.00000	1.536	50.00- 150.00	100.00(a)
9.627	9.627 (0.757)	41	71132			257.91- 357.91	328.87
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	77873	2.00000	1.761	50.00- 150.00	100.00
9.904	9.904 (0.778)	84	41674			3.92- 103.92	53.52
9.904	9.904 (0.778)	51	24558			0.00- 81.78	31.54
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	65997	2.00000	1.811	50.00- 150.00	100.00
10.319	10.319 (0.811)	57	22303			0.00- 84.90	33.79
10.291	10.291 (0.809)	41	18270			0.00- 78.00	27.68
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	55047	2.00000	1.825	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	106452			148.62- 248.62	193.38
10.374	10.374 (0.815)	98	34263			16.72- 116.72	62.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	117364	2.00000	1.805	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	58641			1.68- 101.68	49.97
10.733	10.733 (0.844)	86	10333			0.00- 60.34	8.80
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	8360	2.00000	1.388	50.00- 150.00	100.00(a)
11.203	11.203 (0.880)	43	128879			1452.24-1552.24	1541.61
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	129087	2.00000	1.857	50.00- 150.00	100.00
11.203	11.203 (0.880)	65	31490			0.00- 79.62	24.39
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	20548	2.00000	1.607	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	113724			476.77- 576.77	553.46
12.254	12.254 (0.963)	57	10239			0.00- 97.87	49.83
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	94906	2.00000	1.841	50.00- 150.00	100.00
12.282	12.282 (0.965)	96	48411			3.98- 103.98	51.01
12.254	12.254 (0.963)	98	31318			0.00- 83.59	33.00
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	70480	2.00000	1.768	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	22560			0.00- 83.40	32.01
12.724	12.724 (1.000)	72	25006			0.00- 87.61	35.48
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	90697	2.00000	1.848	50.00- 150.00	100.00
12.807	12.807 (1.007)	85	54343			13.66- 113.66	59.92
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	80745	2.00000	1.682	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	50606			12.60- 112.60	62.67
84 Cyclohexane					CAS #: 110-82-7		
13.166	13.166 (1.035)	84	55053	2.00000	1.779	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	93506			133.49- 233.49	169.85
13.139	13.139 (1.033)	41	51218			41.56- 141.56	93.03
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	73860	2.00000	1.606	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	84758			59.14- 159.14	114.75
91 Benzene					CAS #: 71-43-2		
13.802	13.802 (0.952)	78	131954	2.00000	1.954	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	25759			0.00- 72.79	19.52
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	283433	2.00000	1.802	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	92173			0.00- 83.11	32.52
13.747	13.747 (0.948)	41	63623			0.00- 72.29	22.45
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	75703	2.00000	1.796	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	21766			0.00- 79.00	28.75
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	36128	2.00000	1.664	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	88758			176.98- 276.98	245.68
14.051	14.051 (0.969)	57	49906			85.42- 185.42	138.14
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	50460	2.00000	1.878	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	43917			41.09- 141.09	87.03
14.964	14.964 (1.032)	97	30442			12.28- 112.28	60.33
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	53874	2.00000	1.716	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	37777			22.59- 122.59	70.12
15.461	15.461 (1.067)	41	37379			7.68- 107.68	69.38
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	25892	2.00000	1.716	50.00- 150.00	100.00(a)
15.600	15.600 (1.076)	58	25050			49.46- 149.46	96.75
15.600	15.600 (1.076)	57	8764			0.00- 84.19	33.85
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	68045	2.00000	1.647	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	46000			14.60- 114.60	67.60
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	59737	2.00000	1.684	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	20345			0.00- 80.76	34.06
16.706	16.706 (1.153)	39	42538			17.93- 117.93	71.21
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	50501	2.00000	1.759	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	105627			163.33- 263.33	209.16
16.899	16.899 (1.166)	85	13787			0.00- 76.84	27.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	129406	2.00000	1.794	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	83087			12.51- 112.51	64.21
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	59881	2.00000	1.579	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	20311			0.00- 81.89	33.92
17.701	17.701 (0.895)	39	46310			20.32- 120.32	77.34
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.060	18.060 (0.913)	97	47364	2.00000	1.708	50.00- 150.00	100.00
18.060	18.060 (0.913)	99	29505			8.60- 108.60	62.29
18.033	18.033 (0.912)	83	40421			30.06- 130.06	85.34
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	54700	2.00000	1.720	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	44044			29.31- 129.31	80.52
18.199	18.199 (0.920)	131	46118			30.82- 130.82	84.31
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	65643	2.00000	1.507	50.00- 150.00	100.00(a)
18.392	18.392 (0.930)	43	103193			107.49- 207.49	157.20
18.392	18.392 (0.930)	100	7500			0.00- 61.82	11.43
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	73568	2.00000	1.626	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	56770			28.51- 128.51	77.17
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.028	19.028 (0.962)	107	77689	2.00000	1.769	50.00- 150.00	100.00
19.028	19.028 (0.962)	109	68304			39.73- 139.73	87.92
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	131593	2.00000	1.858	50.00- 150.00	100.00
19.830	19.830 (1.003)	114	39689			0.00- 82.85	30.16
19.802	19.802 (1.001)	77	84010			15.92- 115.92	63.84
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	62922	2.00000	1.770	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	206084			274.52- 374.52	327.52
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.017)	106	88094	2.00000	1.851	50.00- 150.00	100.00
20.134	20.134 (1.018)	91	169753			148.90- 248.90	192.70
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	87465	2.00000	1.846	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	180162			161.03- 261.03	205.98
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	130765	2.00000	1.728	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	70578			2.86- 102.86	53.97
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	70718	2.00000	1.572	50.00- 150.00	100.00
21.295	21.295 (1.077)	171	36846			3.29- 103.29	52.10
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	262188	2.00000	1.847	50.00- 150.00	100.00(a)
21.461	21.461 (1.085)	120	67634			0.00- 77.64	25.80
21.461	21.461 (1.085)	51	35635			0.00- 63.65	13.59
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	161143	2.00000	1.869	50.00- 150.00	100.00
22.097	22.097 (1.117)	85	101172			12.26- 112.26	62.78
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	372382	2.00000	1.873	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	85818			0.00- 72.66	23.05
22.208	22.208 (1.123)	105	13363			0.00- 53.91	3.59
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	316114	2.00000	1.855	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	100855			0.00- 81.62	31.90
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	259344	2.00000	1.776	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	135490			0.56- 100.56	52.24
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	271822	2.00000	1.800	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	133320			0.00- 98.43	49.05
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	202097	2.00000	1.852	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	127388			13.75- 113.75	63.03
23.811	23.811 (1.204)	111	88325			0.00- 93.40	43.70
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	215739	2.00000	1.862	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	137632			12.68- 112.68	63.80
23.977	23.977 (1.213)	111	88282			0.00- 90.67	40.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	301880	2.00000	1.661	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	55999			0.00- 69.63	18.55
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	216312	2.00000	1.845	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	140590			13.47- 113.47	64.99
24.669	24.669 (1.247)	111	91190			0.00- 93.43	42.16
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	150423	2.00000	1.777	50.00- 150.00	100.00(a)
27.710	27.710 (1.401)	182	140249			44.31- 144.31	93.24
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	114193	2.00000	1.936	50.00- 150.00	100.00(a)
27.904	27.904 (1.411)	223	70967			12.86- 112.86	62.15
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	355887	2.00000	1.677	50.00- 150.00	100.00(a)
28.291	28.291 (1.431)	127	42360			0.00- 62.45	11.90
29 Isopentane					CAS #: 78-78-4		
7.001	7.001 (0.550)	43	76639	2.00000	1.962	50.00- 150.00	100.00
7.001	7.001 (0.550)	57	56232			28.96- 128.96	73.37
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	12630	2.00000	1.989	50.00- 150.00	100.00
5.563	5.563 (0.437)	43	84283			658.53- 758.53	667.32
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	65444	2.00000	1.790	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	29178			0.00- 93.50	44.58
15.240	15.240 (1.052)	55	80286			70.64- 170.64	122.68

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: msd1.i
Lab File ID: 1080712.d
Lab Smp Id: ICAL Level 3
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-2.0ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	367932	-1.19
96 1,4-Difluorobenze	1386575	831945	1941205	1306174	-5.80
125 Chlorobenzene-d5	1175809	705485	1646133	1182158	0.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

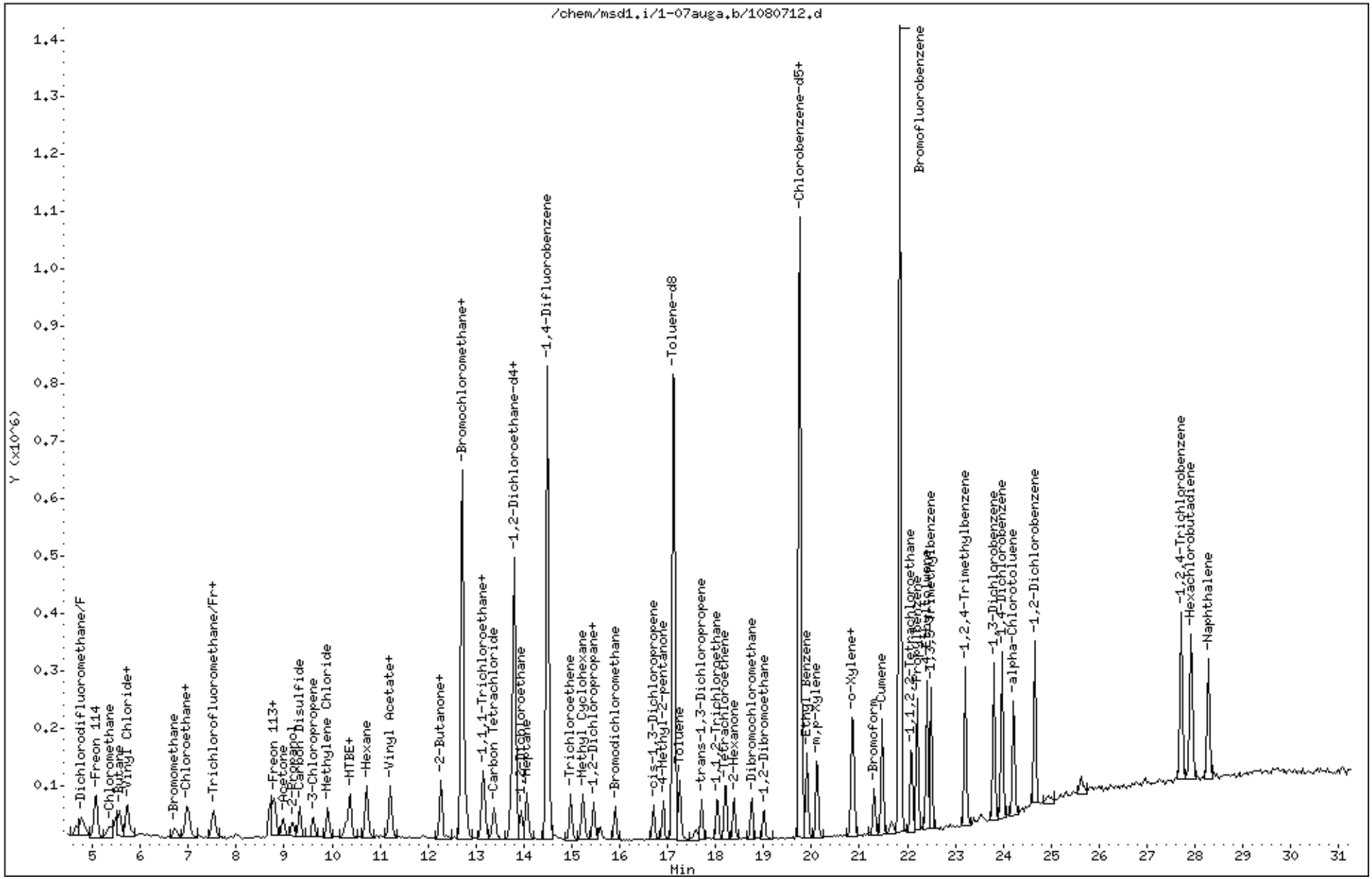
Data File: /chem/msd1.i/1-07auga.b/1080712.d
Date : 07-AUG-2007 19:41
Client ID: Level 3
Sample Info: 2.0ml #1443-239

Instrument: msd1.i

Operator: xp
Column diameter: 0.53

Column phase: RTx-624

0092



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080713.d
Lab Smp Id: ICAL Level 4 Client Smp ID: Level 4
Inj Date : 07-AUG-2007 20:18
Operator : xp Inst ID: msd1.i
Smp Info : 25ml #1443-239
Misc Info : 200ppbv-25ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:10 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 20:18 Cal File: 1080713.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
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	381484	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	292093			28.91- 128.91	76.57
12.724	12.724 (1.000)	49	1003735			228.07- 328.07	263.11
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1361599	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	212315			0.00- 65.18	15.59
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1211383	25.0000		50.00- 150.00	100.00
19.775	19.775 (1.000)	82	648954			4.35- 104.35	53.57
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.803	13.803 (1.085)	65	613944	25.0000	24.319	50.00- 150.00	100.00
13.803	13.803 (1.085)	67	318922			2.32- 102.32	51.95
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1252669	25.0000	25.696	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	137506			0.00- 61.39	10.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	877972			21.82- 121.82	70.09
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.849	21.849 (1.105)	174	674967	25.0000	25.019	50.00- 150.00	100.00
21.849	21.849 (1.105)	95	1053768			106.26- 206.26	156.12
21.849	21.849 (1.105)	176	631529			44.36- 144.36	93.56
12 Propylene					CAS #: 115-07-1		
4.651	4.651 (0.365)	41	619291	25.0000	25.218	50.00- 150.00	100.00
4.651	4.651 (0.365)	42	442143			21.55- 121.55	71.40
4.651	4.651 (0.365)	39	496444			32.37- 132.37	80.16
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	1809025	25.0000	27.129	50.00- 150.00	100.00
4.761	4.761 (0.374)	87	558583			0.00- 81.57	30.88
18 Freon 114					CAS #: 76-14-2		
5.065	5.065 (0.398)	135	1273946	25.0000	27.541	50.00- 150.00	100.00
5.065	5.065 (0.398)	137	399119			0.00- 82.77	31.33
19 Chloromethane					CAS #: 74-87-3		
5.342	5.342 (0.420)	50	857618	25.0000	25.251	50.00- 150.00	100.00
5.342	5.342 (0.420)	52	285403			0.00- 84.77	33.28
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	1133951	25.0000	28.227	50.00- 150.00	100.00
5.701	5.701 (0.448)	64	312106			0.00- 80.38	27.52
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.701 (0.448)	54	825027	25.0000	27.089	50.00- 150.00	100.00
5.701	5.701 (0.448)	39	638693			31.49- 131.49	77.41
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	726206	25.0000	28.970	50.00- 150.00	100.00
6.697	6.697 (0.526)	96	676374			51.16- 151.16	93.14
30 Chloroethane					CAS #: 75-00-3		
6.918	6.918 (0.544)	64	509431	25.0000	25.808	50.00- 150.00	100.00
6.918	6.918 (0.544)	49	153501			0.00- 79.94	30.13
6.918	6.918 (0.544)	66	145440			0.00- 79.23	28.55
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.498	7.498 (0.589)	101	1889819	25.0000	27.345	50.00- 150.00	100.00
7.498	7.498 (0.589)	103	1210248			14.40- 114.40	64.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	340675	25.0000	26.369	50.00- 150.00	100.00
7.996	7.996 (0.628)	43	65204			0.00- 76.62	19.14
7.996	7.996 (0.628)	46	114532			0.00- 84.38	33.62
44 Freon 113					CAS #: 76-13-1		
8.715	8.715 (0.685)	151	1041034	25.0000	27.930	50.00- 150.00	100.00
8.715	8.715 (0.685)	153	649712			12.61- 112.61	62.41
8.715	8.715 (0.685)	101	1440534			93.51- 193.51	138.38
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	1724206	25.0000	27.617	50.00- 150.00	100.00
8.798	8.798 (0.691)	96	765616			0.00- 95.26	44.40
8.798	8.798 (0.691)	98	484116			0.00- 77.08	28.08
46 Acetone					CAS #: 67-64-1		
8.964	8.964 (0.704)	58	536951	25.0000	26.076	50.00- 150.00	100.00
8.964	8.964 (0.704)	43	1429447			218.71- 318.71	266.22
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	1678990	25.0000	26.778	50.00- 150.00	100.00
9.157	9.157 (0.720)	43	356219			0.00- 70.92	21.22
9.157	9.157 (0.720)	59	77361			0.00- 54.48	4.61
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	2468675	25.0000	26.952	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	404736	25.0000	27.718	50.00- 150.00	100.00
9.600	9.600 (0.754)	41	1207660			257.91- 357.91	298.38
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	1224640	25.0000	26.714	50.00- 150.00	100.00
9.904	9.904 (0.778)	84	657400			3.92- 103.92	53.68
9.904	9.904 (0.778)	51	386303			0.00- 81.78	31.54
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	1197891	25.0000	31.707	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	376222			0.00- 84.90	31.41
10.291	10.291 (0.809)	41	298304			0.00- 78.00	24.90
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	882324	25.0000	28.213	50.00- 150.00	100.00
10.346	10.346 (0.813)	61	1748858			148.62- 248.62	198.21
10.374	10.374 (0.815)	98	553860			16.72- 116.72	62.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	1849614	25.0000	27.439	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	993203			1.68- 101.68	53.70
10.733	10.733 (0.844)	86	183515			0.00- 60.34	9.92
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	170223	25.0000	27.263	50.00- 150.00	100.00
11.203	11.203 (0.880)	43	2554493			1452.24-1552.24	1500.67
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	2033383	25.0000	28.212	50.00- 150.00	100.00
11.203	11.203 (0.880)	65	610458			0.00- 79.62	30.02
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	381555	25.0000	28.776	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	1877581			476.77- 576.77	492.09
12.254	12.254 (0.963)	57	165515			0.00- 97.87	43.38
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	1505906	25.0000	28.181	50.00- 150.00	100.00
12.254	12.254 (0.963)	96	805864			3.98- 103.98	53.51
12.254	12.254 (0.963)	98	511728			0.00- 83.59	33.98
79 Tetrahydrofuran					CAS #: 109-99-9		
12.697	12.697 (0.998)	42	998719	25.0000	24.156	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	348373			0.00- 83.40	34.88
12.724	12.724 (1.000)	72	374246			0.00- 87.61	37.47
81 Chloroform					CAS #: 67-66-3		
12.779	12.779 (1.004)	83	1405919	25.0000	27.628	50.00- 150.00	100.00
12.779	12.779 (1.004)	85	911479			13.66- 113.66	64.83
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	1407564	25.0000	28.282	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	881068			12.60- 112.60	62.60
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	920582	25.0000	28.689	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	1650224			133.49- 233.49	179.26
13.139	13.139 (1.033)	41	754919			41.56- 141.56	82.00
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	1359171	25.0000	28.497	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	1458375			59.14- 159.14	107.30
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	2026612	25.0000	28.796	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	436054			0.00- 72.79	21.52
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	4725059	25.0000	28.815	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	1563194			0.00- 83.11	33.08
13.747	13.747 (0.948)	41	1043087			0.00- 72.29	22.08
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	1237761	25.0000	28.169	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	368180			0.00- 79.00	29.75
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	643361	25.0000	28.420	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	1442404			176.98- 276.98	224.20
14.051	14.051 (0.969)	57	897308			85.42- 185.42	139.47
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	788058	25.0000	28.132	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	749803			41.09- 141.09	95.15
14.964	14.964 (1.032)	97	505948			12.28- 112.28	64.20
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	915617	25.0000	27.970	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	686404			22.59- 122.59	74.97
15.461	15.461 (1.067)	41	491814			7.68- 107.68	53.71
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	426572	25.0000	27.124	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	438012			49.46- 149.46	102.68
15.600	15.600 (1.076)	57	144291			0.00- 84.19	33.83
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	1274878	25.0000	29.598	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	800317			14.60- 114.60	62.78
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1057585	25.0000	28.593	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	332853			0.00- 80.76	31.47
16.706	16.706 (1.153)	39	681062			17.93- 117.93	64.40
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	841665	25.0000	28.116	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	1857829			163.33- 263.33	220.73
16.899	16.899 (1.166)	85	242783			0.00- 76.84	28.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	2157806	25.0000	28.704	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	1352144			12.51- 112.51	62.66
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	1082183	25.0000	27.845	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	337566			0.00- 81.89	31.19
17.701	17.701 (0.895)	39	669610			20.32- 120.32	61.88
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.061	18.061 (0.913)	97	771796	25.0000	27.170	50.00- 150.00	100.00
18.061	18.061 (0.913)	99	482093			8.60- 108.60	62.46
18.033	18.033 (0.912)	83	648677			30.06- 130.06	84.05
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	919809	25.0000	28.230	50.00- 150.00	100.00
18.226	18.226 (0.922)	129	727567			29.31- 129.31	79.10
18.199	18.199 (0.920)	131	712228			30.82- 130.82	77.43
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	1188484	25.0000	26.634	50.00- 150.00	100.00
18.365	18.365 (0.929)	43	1901202			107.49- 207.49	159.97
18.392	18.392 (0.930)	100	136953			0.00- 61.82	11.52
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	1329272	25.0000	28.679	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	1053319			28.51- 128.51	79.24
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.001 (0.961)	107	1275392	25.0000	28.346	50.00- 150.00	100.00
19.028	19.028 (0.962)	109	1150156			39.73- 139.73	90.18
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	2030274	25.0000	27.973	50.00- 150.00	100.00
19.830	19.830 (1.003)	114	649697			0.00- 82.85	32.00
19.802	19.802 (1.001)	77	1166657			15.92- 115.92	57.46
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1036909	25.0000	28.461	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	3314429			274.52- 374.52	319.65
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	1359006	25.0000	27.861	50.00- 150.00	100.00
20.107	20.107 (1.017)	91	2717758			148.90- 248.90	199.98
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	1398268	25.0000	28.807	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	2887818			161.03- 261.03	206.53
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	2231473	25.0000	28.772	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	1116097			2.86- 102.86	50.02
133 Bromoform					CAS #: 75-25-2		
21.296	21.296 (1.077)	173	1353428	25.0000	29.365	50.00- 150.00	100.00
21.296	21.296 (1.077)	171	712364			3.29- 103.29	52.63
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	4040791	25.0000	27.777	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	1107825			0.00- 77.64	27.42
21.461	21.461 (1.085)	51	536885			0.00- 63.65	13.29
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	2518347	25.0000	28.503	50.00- 150.00	100.00
22.070	22.070 (1.116)	85	1563035			12.26- 112.26	62.07
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	5841321	25.0000	28.671	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	1297641			0.00- 72.66	22.21
22.208	22.208 (1.123)	105	200979			0.00- 53.91	3.44
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	4949253	25.0000	28.344	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	1556135			0.00- 81.62	31.44
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	4156003	25.0000	27.773	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	2158068			0.56- 100.56	51.93
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	4374312	25.0000	28.261	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	2140405			0.00- 98.43	48.93
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	3092872	25.0000	27.659	50.00- 150.00	100.00
23.812	23.812 (1.204)	148	1967192			13.75- 113.75	63.60
23.812	23.812 (1.204)	111	1340314			0.00- 93.40	43.34
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.978	23.978 (1.213)	146	3252373	25.0000	27.386	50.00- 150.00	100.00
23.978	23.978 (1.213)	148	2059351			12.68- 112.68	63.32
23.978	23.978 (1.213)	111	1371823			0.00- 90.67	42.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	5423179	25.0000	29.121	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	1020681			0.00- 69.63	18.82
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	3349434	25.0000	27.878	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	2082435			13.47- 113.47	62.17
24.669	24.669 (1.247)	111	1496479			0.00- 93.43	44.68
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	2060547	25.0000	23.754	50.00- 150.00	100.00
27.710	27.710 (1.401)	182	1973111			44.31- 144.31	95.76
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	1488794	25.0000	24.628	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	928442			12.86- 112.86	62.36
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	4943555	25.0000	22.729	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	590820			0.00- 62.45	11.95
29 Isopentane					CAS #: 78-78-4		
6.973	6.973 (0.548)	43	1070198	25.0000	26.420	50.00- 150.00	100.00
6.973	6.973 (0.548)	57	863112			28.96- 128.96	80.65
20 Butane					CAS #: 106-97-8		
5.535	5.535 (0.435)	58	170867	25.0000	25.955	50.00- 150.00	100.00(H)
5.535	5.535 (0.435)	43	1230679			658.53- 758.53	720.26
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1075312	25.0000	28.217	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	486053			0.00- 93.50	45.20
15.240	15.240 (1.052)	55	1310553			70.64- 170.64	121.88

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1080713.d
Lab Smp Id: ICAL Level 4
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-25ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	381484	2.45
96 1,4-Difluorobenze	1386575	831945	1941205	1361599	-1.80
125 Chlorobenzene-d5	1175809	705485	1646133	1211383	3.03

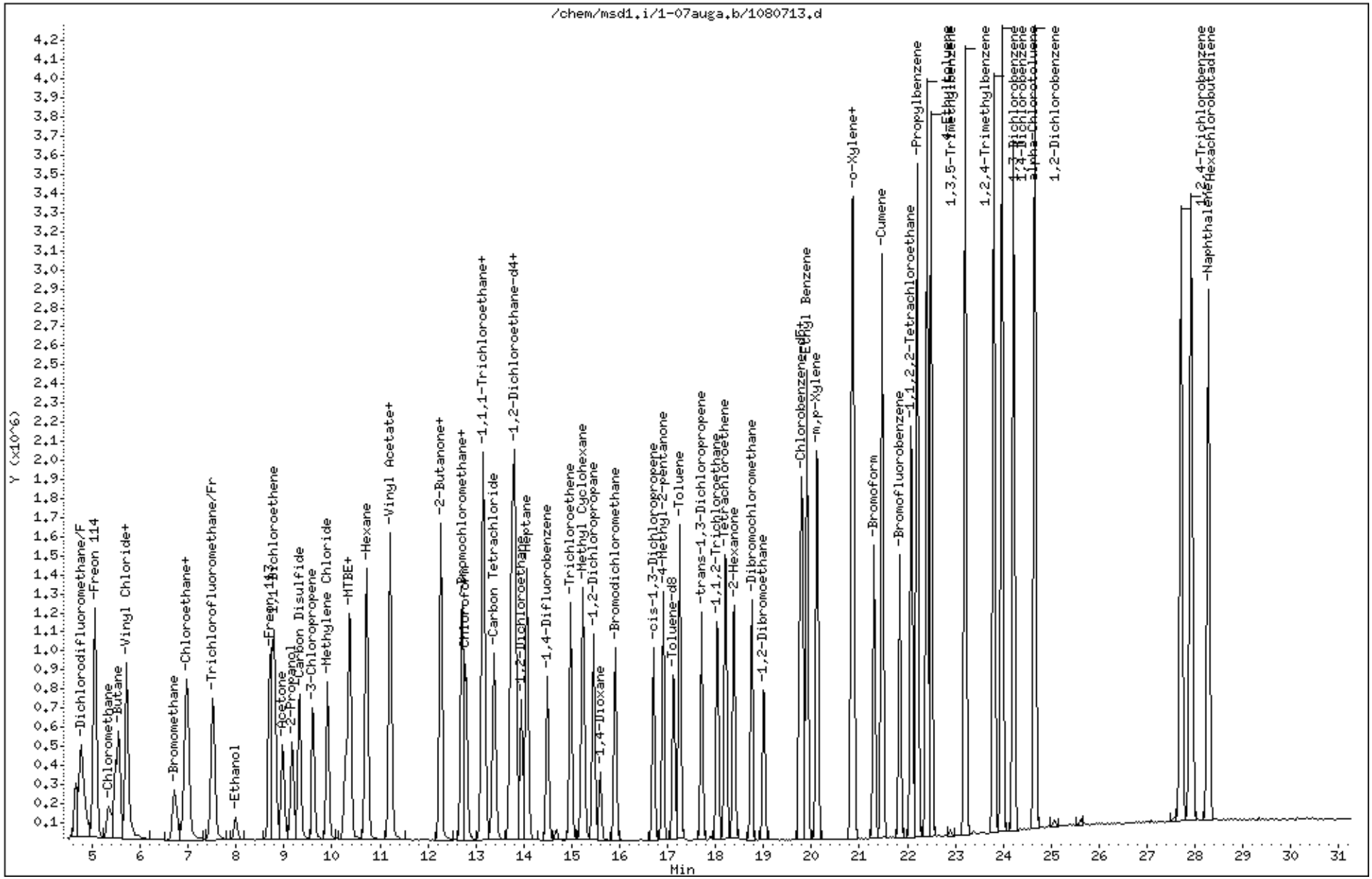
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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.

0102

Data File: /chem/msd1.i/1-07auga.b/1080713.d
Date : 07-AUG-2007 20:18
Client ID: Level 4
Sample Info: 25ml #1443-239

Instrument: msd1.i
Operator: xp
Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080714.d
Lab Smp Id: ICAL Level 5 Client Smp ID: Level 5
Inj Date : 07-AUG-2007 20:55
Operator : xp Inst ID: msd1.i
Smp Info : 50ml #1443-239
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:10 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 20:55 Cal File: 1080714.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
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane						CAS #: 74-97-5		
12.724	12.724 (1.000)	130	372362	25.0000		80.00- 120.00		100.00
12.724	12.724 (1.000)	128	294167			29.00- 129.00		79.00
12.724	12.724 (1.000)	49	1122978			251.58- 351.58		301.58
* 96 1,4-Difluorobenzene						CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1386575	25.0000		80.00- 120.00		100.00
14.494	14.494 (1.000)	88	209958			0.00- 65.14		15.14
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1175809	25.0000		80.00- 120.00		100.00
19.775	19.775 (1.000)	82	661832			4.35- 104.35		56.29
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	611032	25.0000	24.797	80.00- 120.00		100.00
13.802	13.802 (1.085)	67	338499			2.32- 102.32		55.40
$ 113 Toluene-d8						CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1222075	25.0000	24.617	80.00- 120.00		100.00
17.120	17.120 (1.181)	70	139138			0.00- 61.39		11.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	888230			21.82- 121.82	72.68
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	649508	25.0000	24.804	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	1022129			107.37- 207.37	157.37
21.848	21.848 (1.105)	176	619198			45.33- 145.33	95.33
12 Propylene					CAS #: 115-07-1		
4.650	4.650 (0.365)	41	1234011	50.0000	51.481	80.00- 120.00	100.00
4.650	4.650 (0.365)	42	854488			21.55- 121.55	69.24
4.650	4.650 (0.365)	39	932195			32.37- 132.37	75.54
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	3338683	50.0000	51.295	80.00- 120.00	100.00
4.761	4.761 (0.374)	87	1104527			0.00- 81.57	33.08
18 Freon 114					CAS #: 76-14-2		
5.065	5.065 (0.398)	135	2355141	50.0000	52.162	80.00- 120.00	100.00
5.065	5.065 (0.398)	137	735209			0.00- 81.22	31.22
19 Chloromethane					CAS #: 74-87-3		
5.342	5.342 (0.420)	50	1632143	50.0000	49.233	80.00- 120.00	100.00
5.369	5.369 (0.422)	52	542399			0.00- 84.77	33.23
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	2098083	50.0000	53.507	80.00- 120.00	100.00
5.701	5.701 (0.448)	64	604722			0.00- 80.38	28.82
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.701 (0.448)	54	1565369	50.0000	52.657	80.00- 120.00	100.00
5.701	5.701 (0.448)	39	1236990			31.49- 131.49	79.02
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	1241204	50.0000	50.727	80.00- 120.00	100.00
6.697	6.697 (0.526)	96	1154006			42.97- 142.97	92.97
30 Chloroethane					CAS #: 75-00-3		
6.945	6.945 (0.546)	64	988309	50.0000	51.295	80.00- 120.00	100.00
6.945	6.945 (0.546)	49	287559			0.00- 79.94	29.10
6.945	6.945 (0.546)	66	288621			0.00- 79.23	29.20
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.526	7.526 (0.591)	101	3612672	50.0000	53.555	80.00- 120.00	100.00
7.526	7.526 (0.591)	103	2273817			12.94- 112.94	62.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	642744	50.0000	50.969	80.00- 120.00	100.00
7.996	7.996 (0.628)	43	130150			0.00- 76.62	20.25
7.996	7.996 (0.628)	46	237651			0.00- 84.38	36.97
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	1947268	50.0000	53.523	80.00- 120.00	100.00
8.743	8.743 (0.687)	153	1232937			13.32- 113.32	63.32
8.715	8.715 (0.685)	101	2698916			88.60- 188.60	138.60
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	3193310	50.0000	52.401	80.00- 120.00	100.00
8.826	8.826 (0.694)	96	1425420			0.00- 94.64	44.64
8.826	8.826 (0.694)	98	896508			0.00- 78.07	28.07
46 Acetone					CAS #: 67-64-1		
8.991	8.991 (0.707)	58	1020920	50.0000	50.793	80.00- 120.00	100.00
8.991	8.991 (0.707)	43	2711862			218.71- 318.71	265.63
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	3178432	50.0000	51.934	80.00- 120.00	100.00
9.157	9.157 (0.720)	43	646251			0.00- 70.92	20.33
9.185	9.185 (0.722)	59	131606			0.00- 54.48	4.14
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	4694316	50.0000	52.505	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	748988	50.0000	52.550	80.00- 120.00	100.00
9.627	9.627 (0.757)	41	2259943			257.91- 357.91	301.73
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	2241912	50.0000	50.103	80.00- 120.00	100.00
9.904	9.904 (0.778)	84	1228274			4.79- 104.79	54.79
9.904	9.904 (0.778)	51	717026			0.00- 81.78	31.98
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	1998945	50.0000	54.206	80.00- 120.00	100.00
10.291	10.291 (0.809)	57	620693			0.00- 81.05	31.05
10.291	10.291 (0.809)	41	498765			0.00- 78.00	24.95
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	1647818	50.0000	53.981	80.00- 120.00	100.00
10.374	10.374 (0.815)	61	3306500			150.66- 250.66	200.66
10.374	10.374 (0.815)	98	1028528			16.72- 116.72	62.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	3464481	50.0000	52.654	80.00- 120.00	100.00
10.733	10.733 (0.844)	43	1869288			1.68- 101.68	53.96
10.733	10.733 (0.844)	86	361778			0.00- 60.34	10.44
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	334051	50.0000	54.813	80.00- 120.00	100.00
11.203	11.203 (0.880)	43	4883326			1452.24-1552.24	1461.85
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	3795635	50.0000	53.952	80.00- 120.00	100.00
11.203	11.203 (0.880)	65	1130765			0.00- 79.79	29.79
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	719195	50.0000	55.568	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	3566005			445.83- 545.83	495.83
12.254	12.254 (0.963)	57	321643			0.00- 97.87	44.72
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	2753252	50.0000	52.786	80.00- 120.00	100.00
12.282	12.282 (0.965)	96	1521495			5.26- 105.26	55.26
12.282	12.282 (0.965)	98	965422			0.00- 85.06	35.06
79 Tetrahydrofuran					CAS #: 109-99-9		
12.696	12.696 (0.998)	42	1892631	50.0000	46.899	80.00- 120.00	100.00
12.724	12.724 (1.000)	71	649641			0.00- 84.32	34.32
12.724	12.724 (1.000)	72	714730			0.00- 87.61	37.76
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	2649860	50.0000	53.349	80.00- 120.00	100.00
12.807	12.807 (1.007)	85	1698277			14.09- 114.09	64.09
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2636573	50.0000	54.274	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1694128			14.25- 114.25	64.25
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	1745589	50.0000	55.732	80.00- 120.00	100.00
13.139	13.139 (1.033)	56	3045052			124.44- 224.44	174.44
13.139	13.139 (1.033)	41	1387919			29.51- 129.51	79.51
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2617711	50.0000	56.229	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	2721070			53.95- 153.95	103.95
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3744726	50.0000	52.251	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	815358			0.00- 72.79	21.77
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	8845378	50.0000	52.970	80.00- 120.00	100.00
13.747	13.747 (0.948)	56	2958935			0.00- 83.11	33.45
13.747	13.747 (0.948)	41	1921687			0.00- 72.29	21.73
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	2400770	50.0000	53.652	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	698571			0.00- 79.00	29.10
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	1227666	50.0000	53.255	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2665378			176.98- 276.98	217.11
14.051	14.051 (0.969)	57	1668739			85.42- 185.42	135.93
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1448431	50.0000	50.774	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1371842			44.71- 144.71	94.71
14.964	14.964 (1.032)	97	946183			15.32- 115.32	65.32
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1724968	50.0000	51.744	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	1332595			27.25- 127.25	77.25
15.461	15.461 (1.067)	41	915892			3.10- 103.10	53.10
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	847281	50.0000	52.906	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	829503			47.90- 147.90	97.90
15.600	15.600 (1.076)	57	290738			0.00- 84.19	34.31
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2374828	50.0000	54.142	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1516777			13.87- 113.87	63.87
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1997109	50.0000	53.022	80.00- 120.00	100.00
16.706	16.706 (1.153)	77	610336			0.00- 80.56	30.56
16.706	16.706 (1.153)	39	1296808			14.93- 114.93	64.93
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	1625836	50.0000	53.334	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	3515674			163.33- 263.33	216.24
16.899	16.899 (1.166)	85	441222			0.00- 76.84	27.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	3957321	50.0000	51.693	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	2532856			14.00- 114.00	64.00
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	2079277	50.0000	55.120	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	650469			0.00- 81.28	31.28
17.701	17.701 (0.895)	39	1281256			11.62- 111.62	61.62
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.060	18.060 (0.913)	97	1465658	50.0000	53.157	80.00- 120.00	100.00
18.060	18.060 (0.913)	99	886889			10.51- 110.51	60.51
18.033	18.033 (0.912)	83	1213905			32.82- 132.82	82.82
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	1711907	50.0000	54.131	80.00- 120.00	100.00
18.226	18.226 (0.922)	129	1339304			28.23- 128.23	78.23
18.226	18.226 (0.922)	131	1339512			28.25- 128.25	78.25
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	2345134	50.0000	54.145	80.00- 120.00	100.00
18.392	18.392 (0.930)	43	3645936			105.47- 205.47	155.47
18.392	18.392 (0.930)	100	285902			0.00- 61.82	12.19
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	2540950	50.0000	56.479	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	1975706			28.51- 128.51	77.75
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.001 (0.961)	107	2354072	50.0000	53.904	80.00- 120.00	100.00
19.028	19.028 (0.962)	109	2191672			43.10- 143.10	93.10
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	3795070	50.0000	53.871	80.00- 120.00	100.00
19.830	19.830 (1.003)	114	1203034			0.00- 81.70	31.70
19.802	19.802 (1.001)	77	2108707			5.56- 105.56	55.56
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1919900	50.0000	54.292	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	6129231			274.52- 374.52	319.25
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	2524573	50.0000	53.322	80.00- 120.00	100.00
20.134	20.134 (1.018)	91	5097046			148.90- 248.90	201.90
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	2546367	50.0000	54.046	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	5366850			160.76- 260.76	210.76
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	4203661	50.0000	55.840	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	2092894			0.00- 99.79	49.79
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	2585053	50.0000	57.784	80.00- 120.00	100.00
21.295	21.295 (1.077)	171	1339263			1.81- 101.81	51.81
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	7585794	50.0000	53.724	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	2091414			0.00- 77.64	27.57
21.461	21.461 (1.085)	51	996141			0.00- 63.65	13.13
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	4625887	50.0000	53.940	80.00- 120.00	100.00
22.070	22.070 (1.116)	85	2932350			13.39- 113.39	63.39
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	10947242	50.0000	55.357	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	2422702			0.00- 72.66	22.13
22.208	22.208 (1.123)	105	378061			0.00- 53.91	3.45
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	9231475	50.0000	54.468	80.00- 120.00	100.00
22.401	22.401 (1.133)	120	2950430			0.00- 81.96	31.96
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	7862490	50.0000	54.132	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	4051503			0.56- 100.56	51.53
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	8185317	50.0000	54.483	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	3991620			0.00- 98.43	48.77
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	5851863	50.0000	53.915	80.00- 120.00	100.00
23.812	23.812 (1.204)	148	3665088			13.75- 113.75	62.63
23.812	23.812 (1.204)	111	2501115			0.00- 93.40	42.74
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	6202349	50.0000	53.806	80.00- 120.00	100.00
23.977	23.977 (1.213)	148	3833111			12.68- 112.68	61.80
23.977	23.977 (1.213)	111	2541010			0.00- 90.67	40.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	10341588	50.0000	57.211	80.00- 120.00	100.00
24.199	24.199 (1.224)	126	1980109			0.00- 69.63	19.15
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	6300142	50.0000	54.024	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	3937970			12.51- 112.51	62.51
24.669	24.669 (1.247)	111	2783509			0.00- 94.18	44.18
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	4754999	50.0000	56.473	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	4466447			43.93- 143.93	93.93
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	3230119	50.0000	55.050	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	2052403			12.86- 112.86	63.54
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	12958147	50.0000	61.380	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	1544881			0.00- 62.45	11.92
29 Isopentane					CAS #: 78-78-4		
7.001	7.001 (0.550)	43	2018378	50.0000	51.048	80.00- 120.00	100.00
7.001	7.001 (0.550)	57	1633138			28.96- 128.96	80.91
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	328783	50.0000	51.166	80.00- 120.00	100.00
5.563	5.563 (0.437)	43	2332325			658.53- 758.53	709.38
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	2041711	50.0000	52.612	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	904818			0.00- 93.50	44.32
15.240	15.240 (1.052)	55	2470458			70.64- 170.64	121.00

Report Date: 08-Aug-2007 08:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1080714.d
Lab Smp Id: ICAL Level 5
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	372362	0.00
96 1,4-Difluorobenze	1386575	831945	1941205	1386575	0.00
125 Chlorobenzene-d5	1175809	705485	1646133	1175809	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

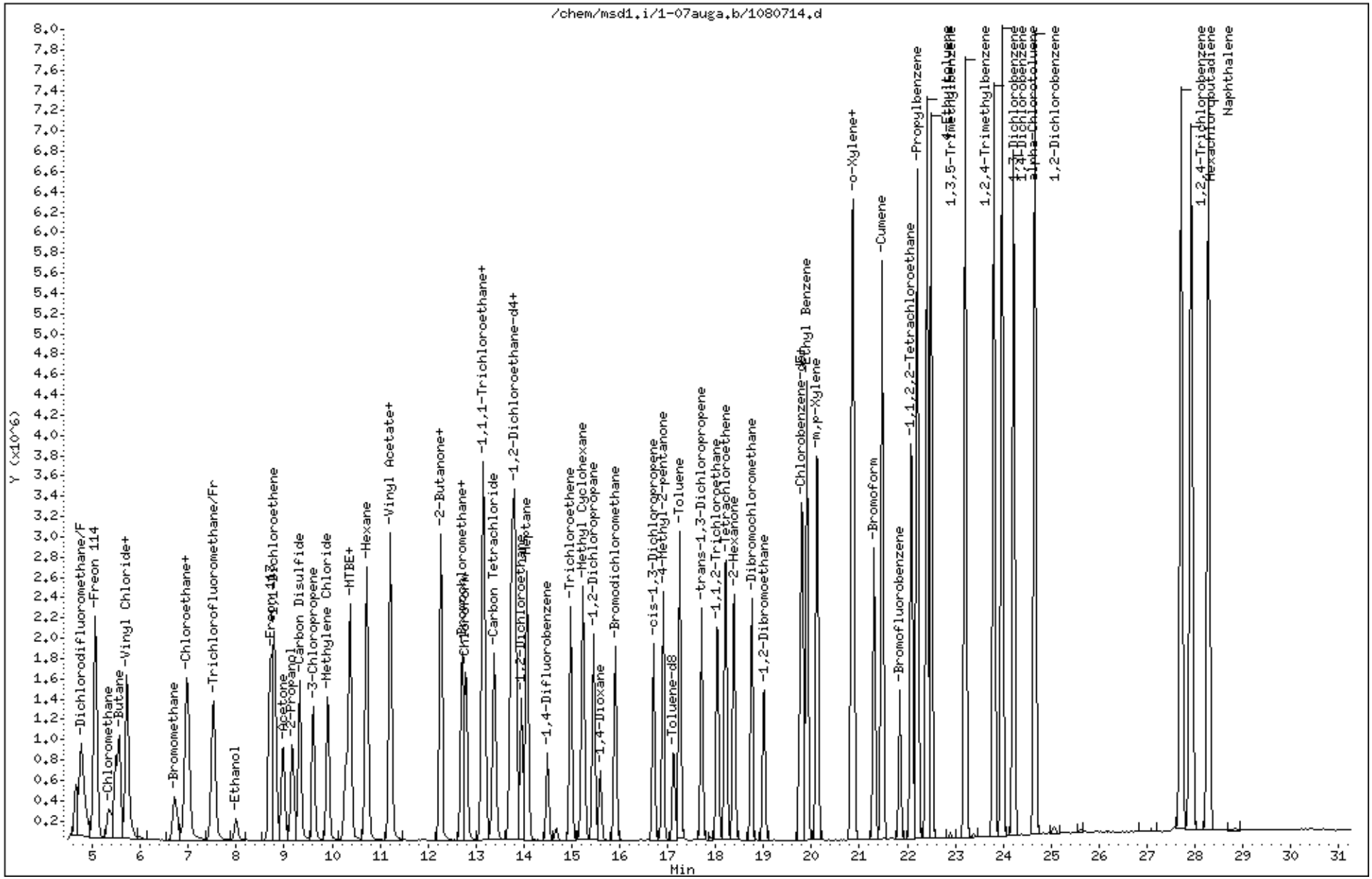
0112

Data File: /chem/msd1.i/1-07auga.b/1080714.d
Date : 07-AUG-2007 20:55
Client ID: Level 5
Sample Info: 50ml #1443-239

Instrument: msd1.i

Operator: xp

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080715.d
Lab Smp Id: ICAL Level 6 Client Smp ID: Level 6
Inj Date : 07-AUG-2007 21:33
Operator : xp Inst ID: msd1.i
Smp Info : 100ml #1443-239
Misc Info : 200ppbv-100ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:10 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 21:33 Cal File: 1080715.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
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	365795	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	296973			28.91- 128.91	81.19
12.724	12.724 (1.000)	49	1445091			228.07- 328.07	395.05
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	1415465	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	209511			0.00- 65.18	14.80
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	1184569	25.0000		50.00- 150.00	100.00
19.775	19.775 (1.000)	82	641643			4.35- 104.35	54.17
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	635277	25.0000	26.243	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	374008			2.32- 102.32	58.87
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.120	17.120 (1.181)	98	1240721	25.0000	24.483	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	140386			0.00- 61.39	11.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	876162			21.82- 121.82	70.62
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	672155	25.0000	25.478	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	1034627			106.26- 206.26	153.93
21.848	21.848 (1.105)	176	623334			44.36- 144.36	92.74
12 Propylene					CAS #: 115-07-1		
4.650	4.650 (0.365)	41	2296080	100.000	97.509	50.00- 150.00	100.00
4.650	4.650 (0.365)	42	1635073			21.55- 121.55	71.21
4.650	4.650 (0.365)	39	1819221			32.37- 132.37	79.23
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	6366538	100.000	99.570	50.00- 150.00	100.00
4.761	4.761 (0.374)	87	2015396			0.00- 81.57	31.66
18 Freon 114					CAS #: 76-14-2		
5.065	5.065 (0.398)	135	4586871	100.000	103.42	50.00- 150.00	100.00
5.065	5.065 (0.398)	137	1420900			0.00- 82.77	30.98
19 Chloromethane					CAS #: 74-87-3		
5.369	5.369 (0.422)	50	3177683	100.000	97.574	50.00- 150.00	100.00
5.369	5.369 (0.422)	52	1062011			0.00- 84.77	33.42
22 Vinyl Chloride					CAS #: 75-01-4		
5.673	5.673 (0.446)	62	3986046	100.000	103.48	50.00- 150.00	100.00
5.701	5.701 (0.448)	64	1150679			0.00- 80.38	28.87
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.701 (0.448)	54	3053275	100.000	104.55	50.00- 150.00	100.00
5.701	5.701 (0.448)	39	2361537			31.49- 131.49	77.34
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	2527876	100.000	105.17	50.00- 150.00	100.00
6.697	6.697 (0.526)	96	2334865			51.16- 151.16	92.36
30 Chloroethane					CAS #: 75-00-3		
6.945	6.945 (0.546)	64	1941780	100.000	102.59	50.00- 150.00	100.00
6.945	6.945 (0.546)	49	548881			0.00- 79.94	28.27
6.945	6.945 (0.546)	66	579389			0.00- 79.23	29.84
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.498	7.498 (0.589)	101	7015841	100.000	105.87	50.00- 150.00	100.00
7.498	7.498 (0.589)	103	4485901			14.40- 114.40	63.94

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	1239215	100.000	100.03	50.00- 150.00	100.00
7.996	7.996 (0.628)	43	251081			0.00- 76.62	20.26
7.996	7.996 (0.628)	46	456556			0.00- 84.38	36.84
44 Freon 113					CAS #: 76-13-1		
8.715	8.715 (0.685)	151	3781534	100.000	105.81	50.00- 150.00	100.00
8.715	8.715 (0.685)	153	2371714			12.61- 112.61	62.72
8.715	8.715 (0.685)	101	5173430			93.51- 193.51	136.81
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	6208133	100.000	103.70	50.00- 150.00	100.00
8.798	8.798 (0.691)	96	2739213			0.00- 95.26	44.12
8.798	8.798 (0.691)	98	1742152			0.00- 77.08	28.06
46 Acetone					CAS #: 67-64-1		
8.964	8.964 (0.704)	58	1998570	100.000	101.22	50.00- 150.00	100.00
8.964	8.964 (0.704)	43	5291330			218.71- 318.71	264.76
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	6091139	100.000	101.31	50.00- 150.00	100.00
9.157	9.157 (0.720)	43	1265178			0.00- 70.92	20.77
9.157	9.157 (0.720)	59	270911			0.00- 54.48	4.45
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	9045953	100.000	102.99	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.600	9.600 (0.754)	76	1456767	100.000	104.04	50.00- 150.00	100.00
9.600	9.600 (0.754)	41	4409046			257.91- 357.91	302.66
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	4412379	100.000	100.38	50.00- 150.00	100.00
9.904	9.904 (0.778)	84	2396565			3.92- 103.92	54.31
9.904	9.904 (0.778)	51	1397114			0.00- 81.78	31.66
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	3455174	100.000	95.378	50.00- 150.00	100.00
10.263	10.263 (0.807)	57	1080813			0.00- 84.90	31.28
10.263	10.263 (0.807)	41	883862			0.00- 78.00	25.58
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.346	10.346 (0.813)	96	3151981	100.000	105.11	50.00- 150.00	100.00
10.346	10.346 (0.813)	61	6328237			148.62- 248.62	200.77
10.374	10.374 (0.815)	98	1972015			16.72- 116.72	62.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	6695642	100.000	103.59	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	3526640			1.68- 101.68	52.67
10.733	10.733 (0.844)	86	656696			0.00- 60.34	9.81
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	633546	100.000	105.82	50.00- 150.00	100.00
11.203	11.203 (0.880)	43	9533713			1452.24-1552.24	1504.82
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	7295726	100.000	105.56	50.00- 150.00	100.00
11.203	11.203 (0.880)	65	2113927			0.00- 79.62	28.97
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	1349430	100.000	106.14	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	6870237			476.77- 576.77	509.12
12.254	12.254 (0.963)	57	626237			0.00- 97.87	46.41
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	5322251	100.000	103.87	50.00- 150.00	100.00
12.254	12.254 (0.963)	96	2866805			3.98- 103.98	53.86
12.254	12.254 (0.963)	98	1827944			0.00- 83.59	34.35
79 Tetrahydrofuran					CAS #: 109-99-9		
12.696	12.696 (0.998)	42	3690542	100.000	93.093	50.00- 150.00	100.00
12.696	12.696 (0.998)	71	1256333			0.00- 83.40	34.04
12.696	12.696 (0.998)	72	1347811			0.00- 87.61	36.52
81 Chloroform					CAS #: 67-66-3		
12.779	12.779 (1.004)	83	5088213	100.000	104.28	50.00- 150.00	100.00
12.779	12.779 (1.004)	85	3258751			13.66- 113.66	64.05
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	5123452	100.000	107.36	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	3185870			12.60- 112.60	62.18
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	3307269	100.000	107.49	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	5817082			133.49- 233.49	175.89
13.139	13.139 (1.033)	41	2649922			41.56- 141.56	80.12
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	5127514	100.000	112.12	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	5406482			59.14- 159.14	105.44
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	7281604	100.000	99.528	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	1571970			0.00- 72.79	21.59
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	17253573	100.000	101.21	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	5779848			0.00- 83.11	33.50
13.747	13.747 (0.948)	41	3753436			0.00- 72.29	21.75
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	4667341	100.000	102.18	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	1363840			0.00- 79.00	29.22
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	2350454	100.000	99.879	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	5134958			176.98- 276.98	218.47
14.051	14.051 (0.969)	57	3277857			85.42- 185.42	139.46
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	2888408	100.000	99.186	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	2732485			41.09- 141.09	94.60
14.964	14.964 (1.032)	97	1837475			12.28- 112.28	63.62
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	3404744	100.000	100.05	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	2576415			22.59- 122.59	75.67
15.461	15.461 (1.067)	41	1808286			7.68- 107.68	53.11
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	1619041	100.000	99.032	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	1627128			49.46- 149.46	100.50
15.600	15.600 (1.076)	57	562759			0.00- 84.19	34.76
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	4720223	100.000	105.42	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	2994002			14.60- 114.60	63.43
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	3903106	100.000	101.51	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	1197914			0.00- 80.76	30.69
16.706	16.706 (1.153)	39	2533420			17.93- 117.93	64.91
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	3214999	100.000	103.31	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	6932426			163.33- 263.33	215.63
16.899	16.899 (1.166)	85	879734			0.00- 76.84	27.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	7777829	100.000	99.525	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	4940862			12.51- 112.51	63.52
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	4072493	100.000	107.16	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	1275549			0.00- 81.89	31.32
17.701	17.701 (0.895)	39	2521527			20.32- 120.32	61.92
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	2809176	100.000	101.13	50.00- 150.00	100.00
18.060	18.060 (0.913)	99	1740037			8.60- 108.60	61.94
18.033	18.033 (0.912)	83	2310154			30.06- 130.06	82.24
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	3331914	100.000	104.58	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	2597925			29.31- 129.31	77.97
18.226	18.226 (0.922)	131	2622462			30.82- 130.82	78.71
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	4547649	100.000	104.22	50.00- 150.00	100.00
18.365	18.365 (0.929)	43	7154512			107.49- 207.49	157.32
18.392	18.392 (0.930)	100	551929			0.00- 61.82	12.14
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	4970405	100.000	109.66	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	3947082			28.51- 128.51	79.41
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.961)	107	4585890	100.000	104.23	50.00- 150.00	100.00
19.000	19.000 (0.961)	109	4269599			39.73- 139.73	93.10
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	7343014	100.000	103.46	50.00- 150.00	100.00
19.830	19.830 (1.003)	114	2294725			0.00- 82.85	31.25
19.802	19.802 (1.001)	77	4062780			15.92- 115.92	55.33
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	3734413	100.000	104.82	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	11930907			274.52- 374.52	319.49
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	4937035	100.000	103.50	50.00- 150.00	100.00
20.134	20.134 (1.018)	91	9784294			148.90- 248.90	198.18
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	4834259	100.000	101.85	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	10173016			161.03- 261.03	210.44
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	8106676	100.000	106.89	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	3921350			2.86- 102.86	48.37
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	5031509	100.000	111.64	50.00- 150.00	100.00
21.295	21.295 (1.077)	171	2608168			3.29- 103.29	51.84
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	14719696	100.000	103.48	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	4028689			0.00- 77.64	27.37
21.461	21.461 (1.085)	51	1920282			0.00- 63.65	13.05
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	8689279	100.000	100.57	50.00- 150.00	100.00
22.070	22.070 (1.116)	85	5490711			12.26- 112.26	63.19
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	21081788	100.000	105.82	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	4615109			0.00- 72.66	21.89
22.208	22.208 (1.123)	105	691879			0.00- 53.91	3.28
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	17771664	100.000	104.08	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	5560115			0.00- 81.62	31.29
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	15083848	100.000	103.08	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	7782073			0.56- 100.56	51.59
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	15722771	100.000	103.88	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	7578683			0.00- 98.43	48.20
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	11123273	100.000	101.72	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	6925724			13.75- 113.75	62.26
23.811	23.811 (1.204)	111	4756497			0.00- 93.40	42.76
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	11819036	100.000	101.77	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	7324708			12.68- 112.68	61.97
23.977	23.977 (1.213)	111	4810724			0.00- 90.67	40.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	20304333	100.000	111.50	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	3776892			0.00- 69.63	18.60
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	11975619	100.000	101.93	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	7408628			13.47- 113.47	61.86
24.669	24.669 (1.247)	111	5246320			0.00- 93.43	43.81
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	8753214	100.000	103.19	50.00- 150.00	100.00
27.710	27.710 (1.401)	182	8255437			44.31- 144.31	94.31
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	5906204	100.000	99.913	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	3743921			12.86- 112.86	63.39
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	24727036	100.000	116.26	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	2902113			0.00- 62.45	11.74
29 Isopentane					CAS #: 78-78-4		
6.973	6.973 (0.548)	43	3854023	100.000	99.225	50.00- 150.00	100.00
6.973	6.973 (0.548)	57	3118524			28.96- 128.96	80.92
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	613883	100.000	97.249	50.00- 150.00	100.00
5.535	5.535 (0.435)	43	4525370			658.53- 758.53	737.17
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	3983937	100.000	100.56	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	1751438			0.00- 93.50	43.96
15.240	15.240 (1.052)	55	4807299			70.64- 170.64	120.67

Report Date: 08-Aug-2007 08:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1080715.d
Lab Smp Id: ICAL Level 6
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-100ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	365795	-1.76
96 1,4-Difluorobenze	1386575	831945	1941205	1415465	2.08
125 Chlorobenzene-d5	1175809	705485	1646133	1184569	0.75

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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.

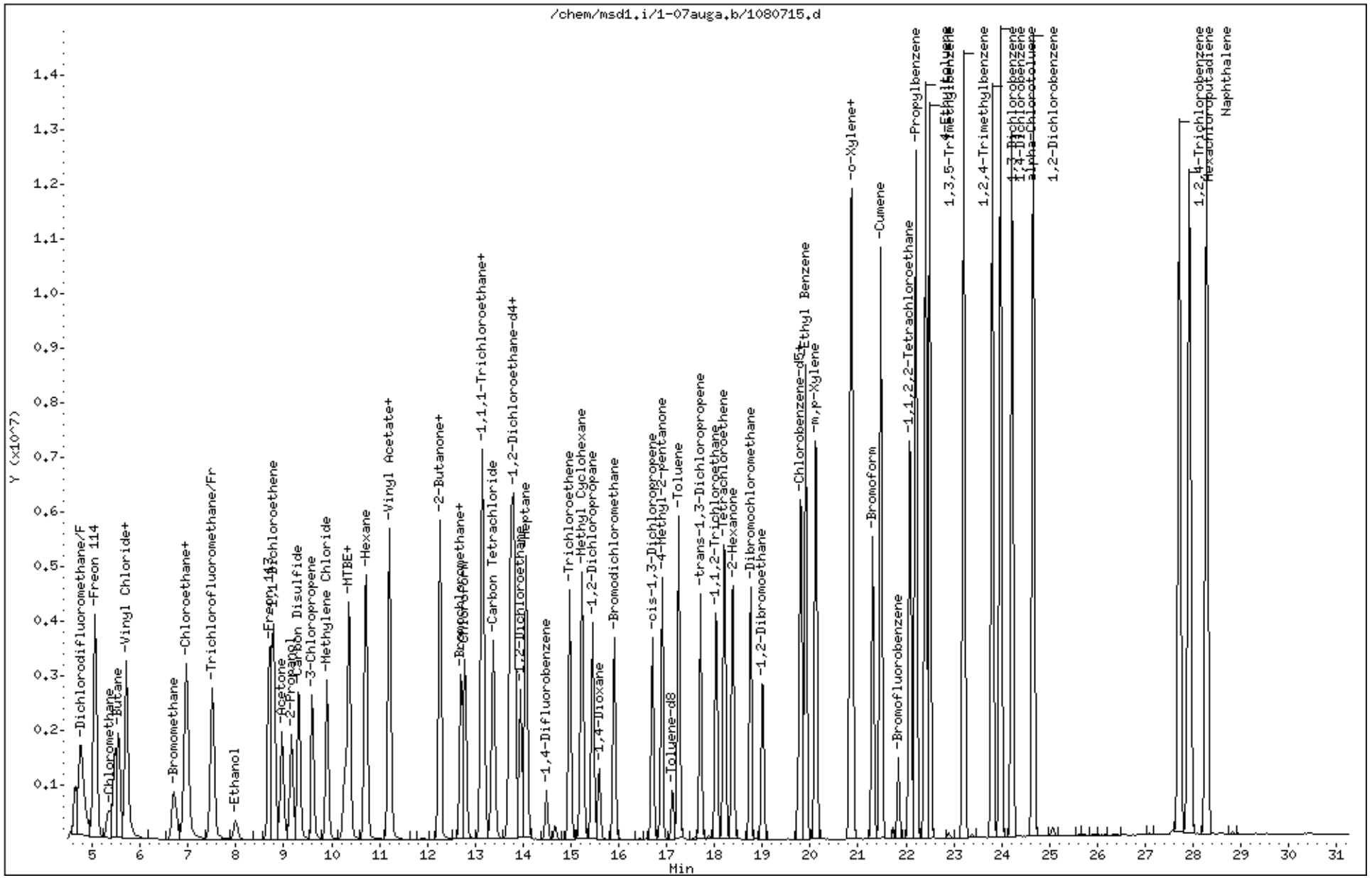
0122

Data File: /chem/msd1.i/1-07auga.b/1080715.d
Date : 07-AUG-2007 21:33
Client ID: Level 6
Sample Info: 100ml #1443-239

Column phase: RTx-624

Instrument: msd1.i

Operator: xp
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-07auga.b/1080716.d
Lab Smp Id: ICAL Level 7 Client Smp ID: Level 7
Inj Date : 07-AUG-2007 22:10
Operator : xp Inst ID: msd1.i
Smp Info : 200ml #1443-239
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd1.i/1-07auga.b/t14q807a.m
Meth Date : 08-Aug-2007 08:10 lover Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.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
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	370983	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	298153			28.91- 128.91	80.37
12.724	12.724 (1.000)	49	960902			228.07- 328.07	259.02
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	1393441	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	204288			0.00- 65.18	14.66
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	1191074	25.0000		50.00- 150.00	100.00
19.775	19.775 (1.000)	82	640388			4.35- 104.35	53.77
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	665589	25.0000	27.111	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	438472			2.32- 102.32	65.88
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.148	17.148 (1.183)	98	1262756	25.0000	25.312	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	142581			0.00- 61.39	11.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	909198			21.82- 121.82	72.00
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	693657	25.0000	26.150	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	1057972			106.26- 206.26	152.52
21.848	21.848 (1.105)	176	650185			44.36- 144.36	93.73
12 Propylene					CAS #: 115-07-1		
4.650	4.650 (0.365)	41	4694643	200.000	196.58	50.00- 150.00	100.00
4.650	4.650 (0.365)	42	3230796			21.55- 121.55	68.82
4.650	4.650 (0.365)	39	3679325			32.37- 132.37	78.37
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	12719776	200.000	196.15	50.00- 150.00	100.00
4.761	4.761 (0.374)	87	3996540			0.00- 81.57	31.42
18 Freon 114					CAS #: 76-14-2		
5.093	5.093 (0.400)	135	9111738	200.000	202.56	50.00- 150.00	100.00(A)
5.093	5.093 (0.400)	137	2839303			0.00- 82.77	31.16
19 Chloromethane					CAS #: 74-87-3		
5.397	5.397 (0.424)	50	6638372	200.000	200.99	50.00- 150.00	100.00(A)
5.397	5.397 (0.424)	52	2207316			0.00- 84.77	33.25
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	7947018	200.000	203.42	50.00- 150.00	100.00(A)
5.701	5.701 (0.448)	64	2264739			0.00- 80.38	28.50
23 1,3-Butadiene					CAS #: 106-99-0		
5.729	5.729 (0.450)	54	6104725	200.000	206.12	50.00- 150.00	100.00(A)
5.729	5.729 (0.450)	39	4752884			31.49- 131.49	77.86
27 Bromomethane					CAS #: 74-83-9		
6.696	6.696 (0.526)	94	5286597	200.000	216.86	50.00- 150.00	100.00(A)
6.696	6.696 (0.526)	96	4888621			51.16- 151.16	92.47
30 Chloroethane					CAS #: 75-00-3		
6.973	6.973 (0.548)	64	3894916	200.000	202.90	50.00- 150.00	100.00(A)
6.973	6.973 (0.548)	49	1117042			0.00- 79.94	28.68
6.973	6.973 (0.548)	66	1166900			0.00- 79.23	29.96
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.526	7.526 (0.591)	101	14007685	200.000	208.43	50.00- 150.00	100.00(A)
7.526	7.526 (0.591)	103	8932688			14.40- 114.40	63.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	2575924	200.000	205.03	50.00- 150.00	100.00(A)
8.051	8.051 (0.633)	43	508512			0.00- 76.62	19.74
8.051	8.051 (0.633)	46	931568			0.00- 84.38	36.16
44 Freon 113					CAS #: 76-13-1		
8.742	8.742 (0.687)	151	7487812	200.000	206.58	50.00- 150.00	100.00(A)
8.742	8.742 (0.687)	153	4709095			12.61- 112.61	62.89
8.715	8.715 (0.685)	101	10225092			93.51- 193.51	136.56
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.825	8.825 (0.694)	61	12395034	200.000	204.16	50.00- 150.00	100.00(A)
8.825	8.825 (0.694)	96	5419758			0.00- 95.26	43.73
8.825	8.825 (0.694)	98	3354141			0.00- 77.08	27.06
46 Acetone					CAS #: 67-64-1		
8.991	8.991 (0.707)	58	4057287	200.000	202.61	50.00- 150.00	100.00(A)
8.991	8.991 (0.707)	43	10895984			218.71- 318.71	268.55
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	12561943	200.000	206.02	50.00- 150.00	100.00(A)
9.157	9.157 (0.720)	43	2520430			0.00- 70.92	20.06
9.157	9.157 (0.720)	59	546594			0.00- 54.48	4.35
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	18456778	200.000	207.20	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	2930813	200.000	206.39	50.00- 150.00	100.00(A)
9.627	9.627 (0.757)	41	9025053			257.91- 357.91	307.94
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	9072289	200.000	203.50	50.00- 150.00	100.00(A)
9.931	9.931 (0.781)	84	4795669			3.92- 103.92	52.86
9.931	9.931 (0.781)	51	2817735			0.00- 81.78	31.06
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	5529471	200.000	150.50	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	1765103			0.00- 84.90	31.92
10.291	10.291 (0.809)	41	1404313			0.00- 78.00	25.40
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	6259933	200.000	205.83	50.00- 150.00	100.00(A)
10.374	10.374 (0.815)	61	12652922			148.62- 248.62	202.13
10.374	10.374 (0.815)	98	3907738			16.72- 116.72	62.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	13350910	200.000	203.67	50.00- 150.00	100.00(A)
10.733	10.733 (0.844)	43	6992306			1.68- 101.68	52.37
10.733	10.733 (0.844)	86	1326557			0.00- 60.34	9.94
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	1288282	200.000	212.17	50.00- 150.00	100.00(A)
11.203	11.203 (0.880)	43	19148331			1452.24-1552.24	1486.35
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	14514230	200.000	207.07	50.00- 150.00	100.00(A)
11.203	11.203 (0.880)	65	4203397			0.00- 79.62	28.96
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	2704891	200.000	209.77	50.00- 150.00	100.00(A)
12.254	12.254 (0.963)	43	13602248			476.77- 576.77	502.88
12.254	12.254 (0.963)	57	1246015			0.00- 97.87	46.07
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	10670747	200.000	205.34	50.00- 150.00	100.00(A)
12.282	12.282 (0.965)	96	5646373			3.98- 103.98	52.91
12.282	12.282 (0.965)	98	3548665			0.00- 83.59	33.26
79 Tetrahydrofuran					CAS #: 109-99-9		
12.696	12.696 (0.998)	42	7404779	200.000	184.17	50.00- 150.00	100.00
12.696	12.696 (0.998)	71	2524048			0.00- 83.40	34.09
12.696	12.696 (0.998)	72	2692459			0.00- 87.61	36.36
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	10297735	200.000	208.09	50.00- 150.00	100.00(A)
12.807	12.807 (1.007)	85	6493718			13.66- 113.66	63.06
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	10166073	200.000	210.04	50.00- 150.00	100.00(A)
13.139	13.139 (1.033)	99	6395051			12.60- 112.60	62.91
84 Cyclohexane					CAS #: 110-82-7		
13.166	13.166 (1.035)	84	6455671	200.000	206.88	50.00- 150.00	100.00(A)
13.139	13.139 (1.033)	56	11396714			133.49- 233.49	176.54
13.139	13.139 (1.033)	41	5152094			41.56- 141.56	79.81
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	10478850	200.000	225.92	50.00- 150.00	100.00(A)
13.388	13.388 (1.052)	117	10958595			59.14- 159.14	104.58
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	14470013	200.000	200.91	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	3080049			0.00- 72.79	21.29
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	34716970	200.000	206.88	50.00- 150.00	100.00(A)
13.747	13.747 (0.948)	56	11506295			0.00- 83.11	33.14
13.747	13.747 (0.948)	41	7451823			0.00- 72.29	21.46
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	9495978	200.000	211.17	50.00- 150.00	100.00(A)
13.941	13.941 (0.962)	64	2717417			0.00- 79.00	28.62
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	4669846	200.000	201.57	50.00- 150.00	100.00(A)
14.051	14.051 (0.969)	43	10171813			176.98- 276.98	217.82
14.051	14.051 (0.969)	57	6466810			85.42- 185.42	138.48
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	5672801	200.000	197.88	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	5457083			41.09- 141.09	96.20
14.964	14.964 (1.032)	97	3609390			12.28- 112.28	63.63
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	6732132	200.000	200.95	50.00- 150.00	100.00(A)
15.461	15.461 (1.067)	62	5105269			22.59- 122.59	75.83
15.461	15.461 (1.067)	41	3582180			7.68- 107.68	53.21
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	3246019	200.000	201.69	50.00- 150.00	100.00(A)
15.600	15.600 (1.076)	58	3283033			49.46- 149.46	101.14
15.600	15.600 (1.076)	57	1144320			0.00- 84.19	35.25
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	9432597	200.000	213.99	50.00- 150.00	100.00(A)
15.904	15.904 (1.097)	85	5969291			14.60- 114.60	63.28
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.705	16.705 (1.153)	75	7816746	200.000	206.51	50.00- 150.00	100.00(A)
16.705	16.705 (1.153)	77	2425852			0.00- 80.76	31.03
16.705	16.705 (1.153)	39	5117039			17.93- 117.93	65.46
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	6427388	200.000	209.80	50.00- 150.00	100.00(A)
16.899	16.899 (1.166)	43	13992966			163.33- 263.33	217.71
16.899	16.899 (1.166)	85	1761160			0.00- 76.84	27.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.258	17.258 (1.191)	91	15601892	200.000	202.80	50.00- 150.00	100.00(A)
17.258	17.258 (1.191)	92	9783789			12.51- 112.51	62.71
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	8253566	200.000	215.99	50.00- 150.00	100.00(A)
17.701	17.701 (0.895)	77	2574569			0.00- 81.89	31.19
17.701	17.701 (0.895)	39	5116250			20.32- 120.32	61.99
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.060	18.060 (0.913)	97	5570761	200.000	199.45	50.00- 150.00	100.00
18.060	18.060 (0.913)	99	3435205			8.60- 108.60	61.66
18.033	18.033 (0.912)	83	4538342			30.06- 130.06	81.47
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	6605354	200.000	206.18	50.00- 150.00	100.00(A)
18.226	18.226 (0.922)	129	5175651			29.31- 129.31	78.36
18.226	18.226 (0.922)	131	5138697			30.82- 130.82	77.80
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	9264406	200.000	211.16	50.00- 150.00	100.00(A)
18.392	18.392 (0.930)	43	14440881			107.49- 207.49	155.87
18.392	18.392 (0.930)	100	1115010			0.00- 61.82	12.04
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	10049226	200.000	220.50	50.00- 150.00	100.00(A)
18.752	18.752 (0.948)	127	7887383			28.51- 128.51	78.49
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.028	19.028 (0.962)	107	9105482	200.000	205.83	50.00- 150.00	100.00(A)
19.028	19.028 (0.962)	109	8484575			39.73- 139.73	93.18
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	14662421	200.000	205.46	50.00- 150.00	100.00(A)
19.830	19.830 (1.003)	114	4551940			0.00- 82.85	31.04
19.802	19.802 (1.001)	77	8029850			15.92- 115.92	54.76
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	7294131	200.000	203.62	50.00- 150.00	100.00(A)
19.913	19.913 (1.007)	91	23845679			274.52- 374.52	326.92
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	9566643	200.000	199.47	50.00- 150.00	100.00
20.134	20.134 (1.018)	91	19580470			148.90- 248.90	204.67
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	9184802	200.000	192.45	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	19662180			161.03- 261.03	214.07
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	15768051	200.000	206.77	50.00- 150.00	100.00(A)
20.881	20.881 (1.056)	78	7614532			2.86- 102.86	48.29
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	9942136	200.000	219.39	50.00- 150.00	100.00(A)
21.295	21.295 (1.077)	171	5158912			3.29- 103.29	51.89
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	28844394	200.000	201.66	50.00- 150.00	100.00(A)
21.461	21.461 (1.085)	120	7852921			0.00- 77.64	27.23
21.461	21.461 (1.085)	51	3610440			0.00- 63.65	12.52
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.069	22.069 (1.116)	83	16755322	200.000	192.87	50.00- 150.00	100.00
22.069	22.069 (1.116)	85	10465136			12.26- 112.26	62.46
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	34384632	200.000	171.64	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	9031921			0.00- 72.66	26.27
22.208	22.208 (1.123)	105	1323435			0.00- 53.91	3.85
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	30738585	200.000	179.04	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	10742303			0.00- 81.62	34.95
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	28507731	200.000	193.75	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	15147623			0.56- 100.56	53.14
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	28368497	200.000	186.41	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	14614910			0.00- 98.43	51.52
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	21303122	200.000	193.76	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	13107000			13.75- 113.75	61.53
23.811	23.811 (1.204)	111	9003626			0.00- 93.40	42.26
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	22393269	200.000	191.77	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	13754980			12.68- 112.68	61.42
23.977	23.977 (1.213)	111	9026341			0.00- 90.67	40.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.198	24.198 (1.224)	91	33346751	200.000	182.11	50.00- 150.00	100.00
24.198	24.198 (1.224)	126	7306917			0.00- 69.63	21.91
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	22559306	200.000	190.97	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	13883585			13.47- 113.47	61.54
24.669	24.669 (1.247)	111	9746893			0.00- 93.43	43.21
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	17059452	200.000	200.01	50.00- 150.00	100.00(A)
27.710	27.710 (1.401)	182	16042542			44.31- 144.31	94.04
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	11256336	200.000	189.38	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	7129492			12.86- 112.86	63.34
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	42720441	200.000	199.76	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	5843265			0.00- 62.45	13.68
29 Isopentane					CAS #: 78-78-4		
7.001	7.001 (0.550)	43	7477642	200.000	189.83	50.00- 150.00	100.00
7.001	7.001 (0.550)	57	6097451			28.96- 128.96	81.54
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	1243802	200.000	194.28	50.00- 150.00	100.00
5.563	5.563 (0.437)	43	8848948			658.53- 758.53	711.44
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	7817844	200.000	200.46	50.00- 150.00	100.00(A)
15.240	15.240 (1.052)	98	3520974			0.00- 93.50	45.04
15.240	15.240 (1.052)	55	9563724			70.64- 170.64	122.33

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: msd1.i
Lab File ID: 1080716.d
Lab Smp Id: ICAL Level 7
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-07auga.b/t14q807a.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 07-AUG-2007
Calibration Time: 20:55
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	372362	223417	521307	370983	-0.37
96 1,4-Difluorobenze	1386575	831945	1941205	1393441	0.50
125 Chlorobenzene-d5	1175809	705485	1646133	1191074	1.30

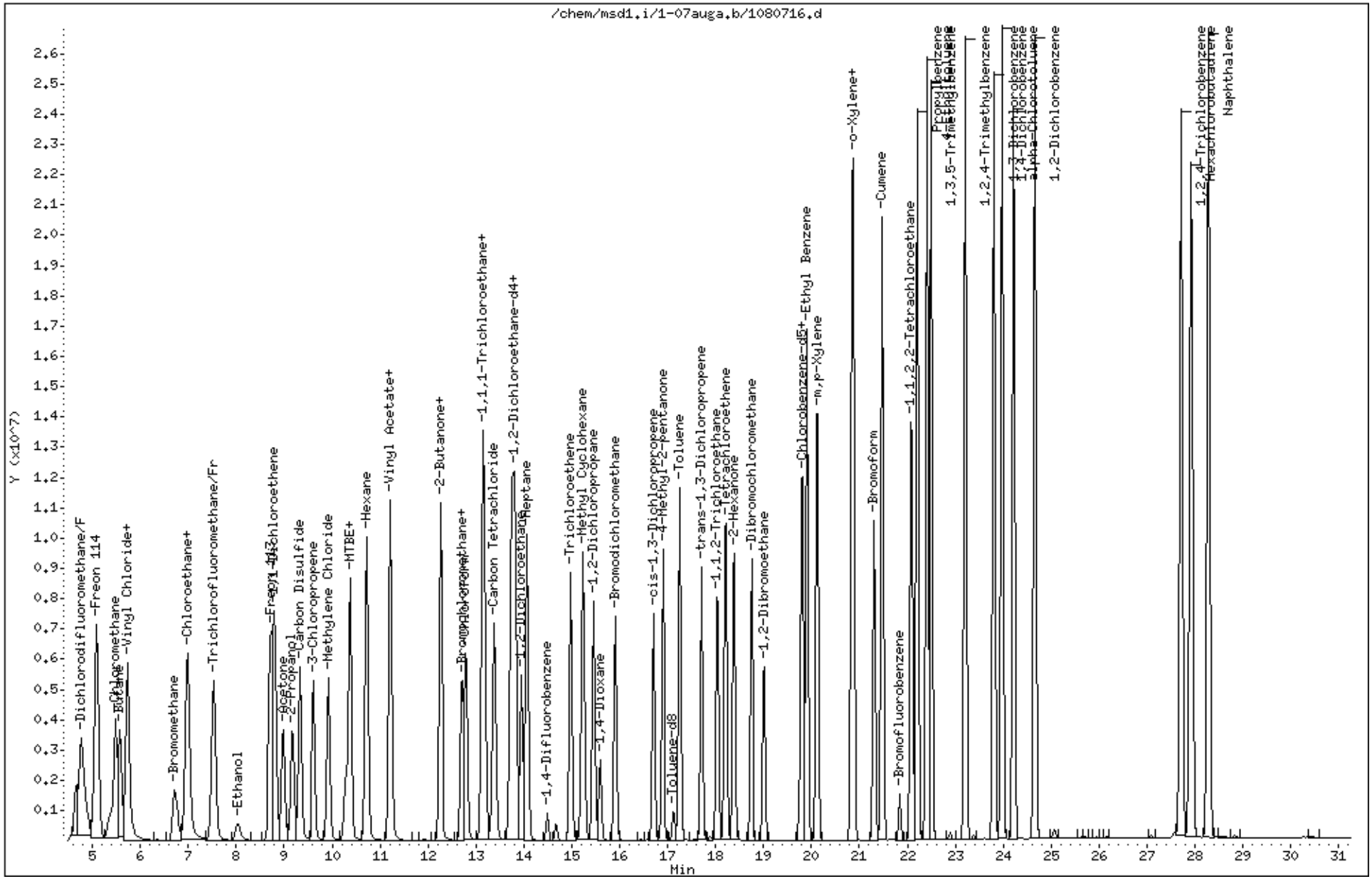
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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/msd1.i/1-07auga.b/1080716.d
Date : 07-AUG-2007 22:10
Client ID: Level 7
Sample Info: 200ml #1443-239

Instrument: msd1.i
Operator: xp
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707553-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081002**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 08:39 AM**

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707553-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 08:39 AM**	

Compound	%Recovery
Heptane	105
Bromodichloromethane	112
Dibromochloromethane	114
Cumene	104
Propylbenzene	108
Chloromethane	104
1,2,4-Trichlorobenzene	109
Hexachlorobutadiene	107
Acetone	100
Carbon Disulfide	100
2-Propanol	103
trans-1,2-Dichloroethene	104
2-Butanone (Methyl Ethyl Ketone)	108
Tetrahydrofuran	92
1,4-Dioxane	104
4-Methyl-2-pentanone	107
2-Hexanone	104
Bromoform	116
4-Ethyltoluene	104
Ethanol	101
Methyl tert-butyl ether	99
3-Chloropropene	102
2,2,4-Trimethylpentane	106
Naphthalene	112

Container Type: NA - Not Applicable

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

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 10-AUG-2007 08:39
Lab File ID: 1081002.d Init. Cal. Date(s): 07-AUG-2007 07-AUG-2007
Analysis Type: AIR Init. Cal. Times: 19:00 22:10
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd1.i/1-10aug.b/t14q807a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.65441	1.67696	0.010	-1.36271	30.00000	Averaged
$ 113 Toluene-d8	0.89506	0.90737	0.010	-1.37568	30.00000	Averaged
$ 137 Bromofluorobenzene	0.55677	0.55948	0.010	-0.48662	30.00000	Averaged
12 Propylene	1.60932	1.68826	0.010	-4.90480	30.00000	Averaged
15 Dichlorodifluoromethane/Fr1	4.36997	4.91306	0.010	-12.42796	30.00000	Averaged
18 Freon 114	3.03134	3.29569	0.010	-8.72038	30.00000	Averaged
19 Chloromethane	2.22576	2.32198	0.010	-4.32301	30.00000	Averaged
22 Vinyl Chloride	2.63263	2.79964	0.010	-6.34416	30.00000	Averaged
23 1,3-Butadiene	1.99588	2.14351	0.010	-7.39657	30.00000	Averaged
27 Bromomethane	1.64277	1.88201	0.010	-14.56296	30.00000	Averaged
30 Chloroethane	1.29357	1.29947	0.010	-0.45600	30.00000	Averaged
32 Trichlorofluoromethane/Fr11	4.52897	4.90664	0.010	-8.33878	30.00000	Averaged
39 Ethanol	0.84666	0.85870	0.010	-1.42162	30.00000	Averaged
44 Freon 113	2.44262	2.53359	0.010	-3.72424	30.00000	Averaged
45 1,1-Dichloroethene	4.09141	4.24542	0.010	-3.76419	30.00000	Averaged
46 Acetone	1.34948	1.34649	0.010	0.22139	30.00000	Averaged
47 2-Propanol	4.10902	4.21933	0.010	-2.68445	30.00000	Averaged
49 Carbon Disulfide	6.00265	6.03041	0.010	-0.46246	30.00000	Averaged
51 3-Chloropropene	0.95693	0.97409	0.010	-1.79331	30.00000	Averaged
56 Methylene Chloride	3.00421	3.00848	0.010	-0.14203	30.00000	Averaged
60 MTBE	2.47585	2.46107	0.010	0.59702	30.00000	Averaged
61 trans-1,2-Dichloroethene	2.04947	2.13501	0.010	-4.17352	30.00000	Averaged
65 Hexane	4.41750	4.45533	0.010	-0.85625	30.00000	Averaged
69 Vinyl Acetate	0.40917	0.42970	0.010	-5.01719	30.00000	Averaged
70 1,1-Dichloroethane	4.72341	4.96490	0.010	-5.11272	30.00000	Averaged
75 2-Butanone	0.86895	0.93744	0.010	-7.88208	30.00000	Averaged
77 cis-1,2-Dichloroethene	3.50187	3.63958	0.010	-3.93261	30.00000	Averaged
79 Tetrahydrofuran	2.70940	2.49955	0.010	7.74544	30.00000	Averaged
81 Chloroform	3.33483	3.48004	0.010	-4.35433	30.00000	Averaged
83 1,1,1-Trichloroethane	3.26156	3.54539	0.010	-8.70221	30.00000	Averaged
84 Cyclohexane	2.10286	2.21354	0.010	-5.26359	30.00000	Averaged
86 Carbon Tetrachloride	3.12562	3.50253	0.010	-12.05887	30.00000	Averaged
89 2,2,4-Trimethylpentane	3.01082	3.19499	0.010	-6.11686	30.00000	Averaged
91 Benzene	1.29218	1.34542	0.010	-4.12030	30.00000	Averaged
93 1,2-Dichloroethane	0.80679	0.88381	0.010	-9.54622	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 10-AUG-2007 08:39
Lab File ID: 1081002.d Init. Cal. Date(s): 07-AUG-2007 07-AUG-2007
Analysis Type: AIR Init. Cal. Times: 19:00 22:10
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd1.i/1-10aug.b/t14q807a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.41564	0.43576	0.010	-4.84057	30.00000	Averaged
100 Trichloroethene	0.51434	0.53307	0.010	-3.64231	30.00000	Averaged
104 1,2-Dichloropropane	0.60106	0.62019	0.010	-3.18333	30.00000	Averaged
106 1,4-Dioxane	0.28875	0.30173	0.010	-4.49602	30.00000	Averaged
108 Bromodichloromethane	0.79085	0.89005	0.010	-12.54325	30.00000	Averaged
111 cis-1,3-Dichloropropene	0.67912	0.71448	0.010	-5.20793	30.00000	Averaged
112 4-Methyl-2-pentanone	0.54963	0.58641	0.010	-6.69227	30.00000	Averaged
115 Toluene	1.38028	1.44107	0.010	-4.40423	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.80206	0.86823	0.010	-8.25043	30.00000	Averaged
118 1,1,2-Trichloroethane	0.58624	0.61538	0.010	-4.97101	30.00000	Averaged
119 Tetrachloroethene	0.67242	0.72190	0.010	-7.35843	30.00000	Averaged
120 2-Hexanone	0.92090	0.95673	0.010	-3.89124	30.00000	Averaged
123 Dibromochloromethane	0.95656	1.09213	0.010	-14.17214	30.00000	Averaged
124 1,2-Dibromoethane	0.92855	1.00366	0.010	-8.08899	30.00000	Averaged
126 Chlorobenzene	1.49786	1.57754	0.010	-5.31984	30.00000	Averaged
128 Ethyl Benzene	0.75187	0.80010	0.010	-6.41480	30.00000	Averaged
130 m,p-Xylene	1.00667	1.04196	0.010	-3.50565	30.00000	Averaged
131 o-Xylene	1.00174	1.03932	0.010	-3.75104	30.00000	Averaged
132 Styrene	1.60062	1.70872	0.010	-6.75395	30.00000	Averaged
133 Bromoform	0.95119	1.09886	0.010	-15.52439	30.00000	Averaged
135 Cumene	3.00217	3.12727	0.010	-4.16687	30.00000	Averaged
138 1,1,2,2-Tetrachloroethane	1.82342	1.91904	0.010	-5.24386	30.00000	Averaged
139 Propylbenzene	4.20468	4.52389	0.010	-7.59192	30.00000	Averaged
144 4-Ethyltoluene	3.60360	3.76788	0.010	-4.55859	30.00000	Averaged
146 1,3,5-Trimethylbenzene	3.08825	3.19989	0.010	-3.61488	30.00000	Averaged
150 1,2,4-Trimethylbenzene	3.19431	3.33261	0.010	-4.32988	30.00000	Averaged
156 1,3-Dichlorobenzene	2.30776	2.42417	0.010	-5.04454	30.00000	Averaged
157 1,4-Dichlorobenzene	2.45092	2.54241	0.010	-3.73266	30.00000	Averaged
159 alpha-Chlorotoluene	3.84337	4.28609	0.010	-11.51923	30.00000	Averaged
162 1,2-Dichlorobenzene	2.47951	2.58082	0.010	-4.08570	30.00000	Averaged
167 1,2,4-Trichlorobenzene	1.79025	1.94701	0.010	-8.75652	30.00000	Averaged
168 Hexachlorobutadiene	1.24757	1.33539	0.010	-7.03965	30.00000	Averaged
29 Isopentane	2.65457	2.69904	0.010	-1.67535	30.00000	Averaged
20 Butane	0.43142	0.43246	0.010	-0.24146	30.00000	Averaged
102 Methyl Cyclohexane	0.69969	0.72041	0.010	-2.96136	30.00000	Averaged
169 Naphthalene	4.48866	5.05130	0.010	-12.53461	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081002.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 10-AUG-2007 08:39
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-239
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	397970	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	308567			27.54- 127.54	77.54
12.724	12.724 (1.000)	49	1201985			252.03- 352.03	302.03
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1420779	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	226192			0.00- 65.92	15.92
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1233589	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	676959			4.35- 104.35	54.88
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.803	13.803 (1.085)	65	667379	25.0000	25.341	80.00- 120.00	100.00
13.803	13.803 (1.085)	67	359631			2.32- 102.32	53.89
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	1289177	25.0000	25.344	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	154885			0.00- 61.39	12.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	920076			21.82- 121.82	71.37
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.849	21.849 (1.105)	174	690165	25.0000	25.122	80.00- 120.00	100.00
21.849	21.849 (1.105)	95	1060421			103.65- 203.65	153.65
21.849	21.849 (1.105)	176	644450			43.38- 143.38	93.38
12 Propylene					CAS #: 115-07-1		
4.651	4.651 (0.365)	41	1343752	50.0000	52.452	80.00- 120.00	100.00
4.651	4.651 (0.365)	42	964735			21.55- 121.55	71.79
4.651	4.651 (0.365)	39	1057349			32.37- 132.37	78.69
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	3910504	50.0000	56.214	80.00- 120.00	100.00
4.761	4.761 (0.374)	87	1207158			0.00- 81.57	30.87
18 Freon 114					CAS #: 76-14-2		
5.093	5.093 (0.400)	135	2623169	50.0000	54.360	80.00- 120.00	100.00
5.093	5.093 (0.400)	137	802576			0.00- 80.60	30.60
19 Chloromethane					CAS #: 74-87-3		
5.369	5.369 (0.422)	50	1848154	50.0000	52.162	80.00- 120.00	100.00
5.369	5.369 (0.422)	52	626978			0.00- 84.77	33.92
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	2228348	50.0000	53.172	80.00- 120.00	100.00
5.701	5.701 (0.448)	64	641717			0.00- 80.38	28.80
23 1,3-Butadiene					CAS #: 106-99-0		
5.729	5.729 (0.450)	54	1706107	50.0000	53.698	80.00- 120.00	100.00
5.729	5.729 (0.450)	39	1302986			31.49- 131.49	76.37
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	1497964	50.0000	57.281	80.00- 120.00	100.00
6.697	6.697 (0.526)	96	1425801			45.18- 145.18	95.18
30 Chloroethane					CAS #: 75-00-3		
6.945	6.945 (0.546)	64	1034298	50.0000	50.228	80.00- 120.00	100.00
6.945	6.945 (0.546)	49	303746			0.00- 79.94	29.37
6.945	6.945 (0.546)	66	311094			0.00- 79.23	30.08
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.526	7.526 (0.591)	101	3905388	50.0000	54.169	80.00- 120.00	100.00
7.526	7.526 (0.591)	103	2499525			14.00- 114.00	64.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	683470	50.0000	50.711	80.00- 120.00	100.00
7.996	7.996 (0.628)	43	134195			0.00- 76.62	19.63
7.996	7.996 (0.628)	46	244563			0.00- 84.38	35.78
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	2016586	50.0000	51.862	80.00- 120.00	100.00
8.743	8.743 (0.687)	153	1274544			13.20- 113.20	63.20
8.715	8.715 (0.685)	101	2787596			88.23- 188.23	138.23
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	3379098	50.0000	51.882	80.00- 120.00	100.00
8.826	8.826 (0.694)	96	1461645			0.00- 93.26	43.26
8.826	8.826 (0.694)	98	931485			0.00- 77.57	27.57
46 Acetone					CAS #: 67-64-1		
8.992	8.992 (0.707)	58	1071724	50.0000	49.889	80.00- 120.00	100.00
8.992	8.992 (0.707)	43	2902924			218.71- 318.71	270.86
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	3358330	50.0000	51.342	80.00- 120.00	100.00
9.157	9.157 (0.720)	43	686500			0.00- 70.92	20.44
9.157	9.157 (0.720)	59	144981			0.00- 54.48	4.32
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	4799843	50.0000	50.231	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	775314	50.0000	50.897	80.00- 120.00	100.00
9.627	9.627 (0.757)	41	2390645			257.91- 357.91	308.35
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	2394569	50.0000	50.071	80.00- 120.00	100.00
9.904	9.904 (0.778)	84	1281818			3.53- 103.53	53.53
9.904	9.904 (0.778)	51	752553			0.00- 81.78	31.43
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	1958866	50.0000	49.701	80.00- 120.00	100.00
10.291	10.291 (0.809)	57	625278			0.00- 81.92	31.92
10.291	10.291 (0.809)	41	521389			0.00- 78.00	26.62
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	1699339	50.0000	52.087	80.00- 120.00	100.00
10.374	10.374 (0.815)	61	3430298			151.86- 251.86	201.86
10.374	10.374 (0.815)	98	1053701			16.72- 116.72	62.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	3546173	50.0000	50.428	80.00- 120.00	100.00
10.733	10.733 (0.844)	43	1936972			1.68- 101.68	54.62
10.733	10.733 (0.844)	86	361013			0.00- 60.34	10.18
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	342016	50.0000	52.508	80.00- 120.00	100.00
11.203	11.203 (0.880)	43	5177885			1452.24-1552.24	1513.93
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	3951765	50.0000	52.556	80.00- 120.00	100.00
11.203	11.203 (0.880)	65	1127822			0.00- 78.54	28.54
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	746144	50.0000	53.941	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	3686295			444.05- 544.05	494.05
12.254	12.254 (0.963)	57	333915			0.00- 97.87	44.75
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	2896891	50.0000	51.966	80.00- 120.00	100.00
12.254	12.254 (0.963)	96	1552746			3.60- 103.60	53.60
12.254	12.254 (0.963)	98	978725			0.00- 83.79	33.79
79 Tetrahydrofuran					CAS #: 109-99-9		
12.697	12.697 (0.998)	42	1989489	50.0000	46.127	80.00- 120.00	100.00
12.724	12.724 (1.000)	71	649709			0.00- 82.66	32.66
12.724	12.724 (1.000)	72	706103			0.00- 87.61	35.49
81 Chloroform					CAS #: 67-66-3		
12.780	12.780 (1.004)	83	2769905	50.0000	52.177	80.00- 120.00	100.00
12.780	12.780 (1.004)	85	1782928			14.37- 114.37	64.37
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2821914	50.0000	54.351	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1796627			13.67- 113.67	63.67
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	1761846	50.0000	52.632	80.00- 120.00	100.00
13.139	13.139 (1.033)	56	3195378			131.37- 231.37	181.37
13.139	13.139 (1.033)	41	1446306			32.09- 132.09	82.09
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2787803	50.0000	56.029	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	2893047			53.78- 153.78	103.78
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	9078746	50.0000	53.058	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	3094880			0.00- 83.11	34.09
13.747	13.747 (0.948)	41	1990028			0.00- 72.29	21.92
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3823087	50.0000	52.060	80.00- 120.00	100.00
13.830	13.830 (0.954)	77	815520			0.00- 72.79	21.33
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	2511394	50.0000	54.773	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	725021			0.00- 79.00	28.87
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	1238239	50.0000	52.420	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2709055			176.98- 276.98	218.78
14.051	14.051 (0.969)	57	1728220			85.42- 185.42	139.57
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1514761	50.0000	51.821	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1455799			46.11- 146.11	96.11
14.964	14.964 (1.032)	97	957480			13.21- 113.21	63.21
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1762310	50.0000	51.592	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	1335523			25.78- 125.78	75.78
15.461	15.461 (1.067)	41	963348			4.66- 104.66	54.66
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	857387	50.0000	52.248	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	853874			49.59- 149.59	99.59
15.600	15.600 (1.076)	57	298875			0.00- 84.19	34.86
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2529127	50.0000	56.272	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1580280			12.48- 112.48	62.48
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	2030249	50.0000	52.604	80.00- 120.00	100.00
16.706	16.706 (1.153)	77	652738			0.00- 82.15	32.15
16.706	16.706 (1.153)	39	1320670			15.05- 115.05	65.05
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	1666326	50.0000	53.346	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	3613754			163.33- 263.33	216.87
16.899	16.899 (1.166)	85	450363			0.00- 76.84	27.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	4094881	50.0000	52.202	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	2593169			13.33- 113.33	63.33
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	2142078	50.0000	54.125	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	673305			0.00- 81.43	31.43
17.701	17.701 (0.895)	39	1352173			13.12- 113.12	63.12
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.061	18.061 (0.913)	97	1518248	50.0000	52.486	80.00- 120.00	100.00
18.033	18.033 (0.912)	99	929466			11.22- 111.22	61.22
18.033	18.033 (0.912)	83	1252420			32.49- 132.49	82.49
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	1781050	50.0000	53.679	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	1377223			27.33- 127.33	77.33
18.226	18.226 (0.922)	131	1400237			28.62- 128.62	78.62
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	2360426	50.0000	51.946	80.00- 120.00	100.00
18.392	18.392 (0.930)	43	3748331			108.80- 208.80	158.80
18.392	18.392 (0.930)	100	278477			0.00- 61.82	11.80
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	2694476	50.0000	57.086	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	2129350			28.51- 128.51	79.03
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.028	19.028 (0.962)	107	2476196	50.0000	54.044	80.00- 120.00	100.00
19.001	19.001 (0.961)	109	2298109			42.81- 142.81	92.81
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	3892077	50.0000	52.660	80.00- 120.00	100.00
19.830	19.830 (1.003)	114	1212453			0.00- 81.15	31.15
19.802	19.802 (1.001)	77	2185812			6.16- 106.16	56.16
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1973994	50.0000	53.207	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	6292527			274.52- 374.52	318.77
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	2570691	50.0000	51.753	80.00- 120.00	100.00
20.134	20.134 (1.018)	91	5212919			148.90- 248.90	202.78
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	2564183	50.0000	51.876	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	5572031			167.30- 267.30	217.30
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	4215716	50.0000	53.377	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	2112970			0.12- 100.12	50.12
133 Bromoform					CAS #: 75-25-2		
21.296	21.296 (1.077)	173	2711074	50.0000	57.762	80.00- 120.00	100.00
21.296	21.296 (1.077)	171	1397896			1.56- 101.56	51.56
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	7715522	50.0000	52.083	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	2109174			0.00- 77.64	27.34
21.461	21.461 (1.085)	51	1035071			0.00- 63.65	13.42
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	4734602	50.0000	52.622	80.00- 120.00	100.00
22.070	22.070 (1.116)	85	2955454			12.42- 112.42	62.42
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	11161246	50.0000	53.796	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	2420388			0.00- 72.66	21.69
22.208	22.208 (1.123)	105	388006			0.00- 53.91	3.48
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	9296019	50.0000	52.279	80.00- 120.00	100.00
22.401	22.401 (1.133)	120	2924380			0.00- 81.46	31.46
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	7894689	50.0000	51.807	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	4077850			0.56- 100.56	51.65
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	8222154	50.0000	52.165	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	4016210			0.00- 98.43	48.85
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	5980865	50.0000	52.522	80.00- 120.00	100.00
23.812	23.812 (1.204)	148	3708978			13.75- 113.75	62.01
23.812	23.812 (1.204)	111	2528301			0.00- 93.40	42.27
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.978	23.978 (1.213)	146	6272571	50.0000	51.866	80.00- 120.00	100.00
23.978	23.978 (1.213)	148	3974183			12.68- 112.68	63.36
23.978	23.978 (1.213)	111	2547236			0.00- 90.67	40.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	10574554	50.0000	55.760	80.00- 120.00	100.00
24.199	24.199 (1.224)	126	2010328			0.00- 69.63	19.01
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	6367331	50.0000	52.043	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	3977267			12.46- 112.46	62.46
24.669	24.669 (1.247)	111	2760872			0.00- 93.36	43.36
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	4803623	50.0000	54.378	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	4530557			44.32- 144.32	94.32
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	3294656	50.0000	53.520	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	2093701			12.86- 112.86	63.55
29 Isopentane					CAS #: 78-78-4		
7.001	7.001 (0.550)	43	2148275	50.0000	50.838	80.00- 120.00	100.00
7.001	7.001 (0.550)	57	1740592			28.96- 128.96	81.02
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	344216	50.0000	50.121	80.00- 120.00	100.00
5.563	5.563 (0.437)	43	2506571			658.53- 758.53	728.20
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	2047094	50.0000	51.481	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	925630			0.00- 93.50	45.22
15.240	15.240 (1.052)	55	2539403			70.64- 170.64	124.05
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	12462451	50.0000	56.267	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	1511571			0.00- 62.45	12.13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081002.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

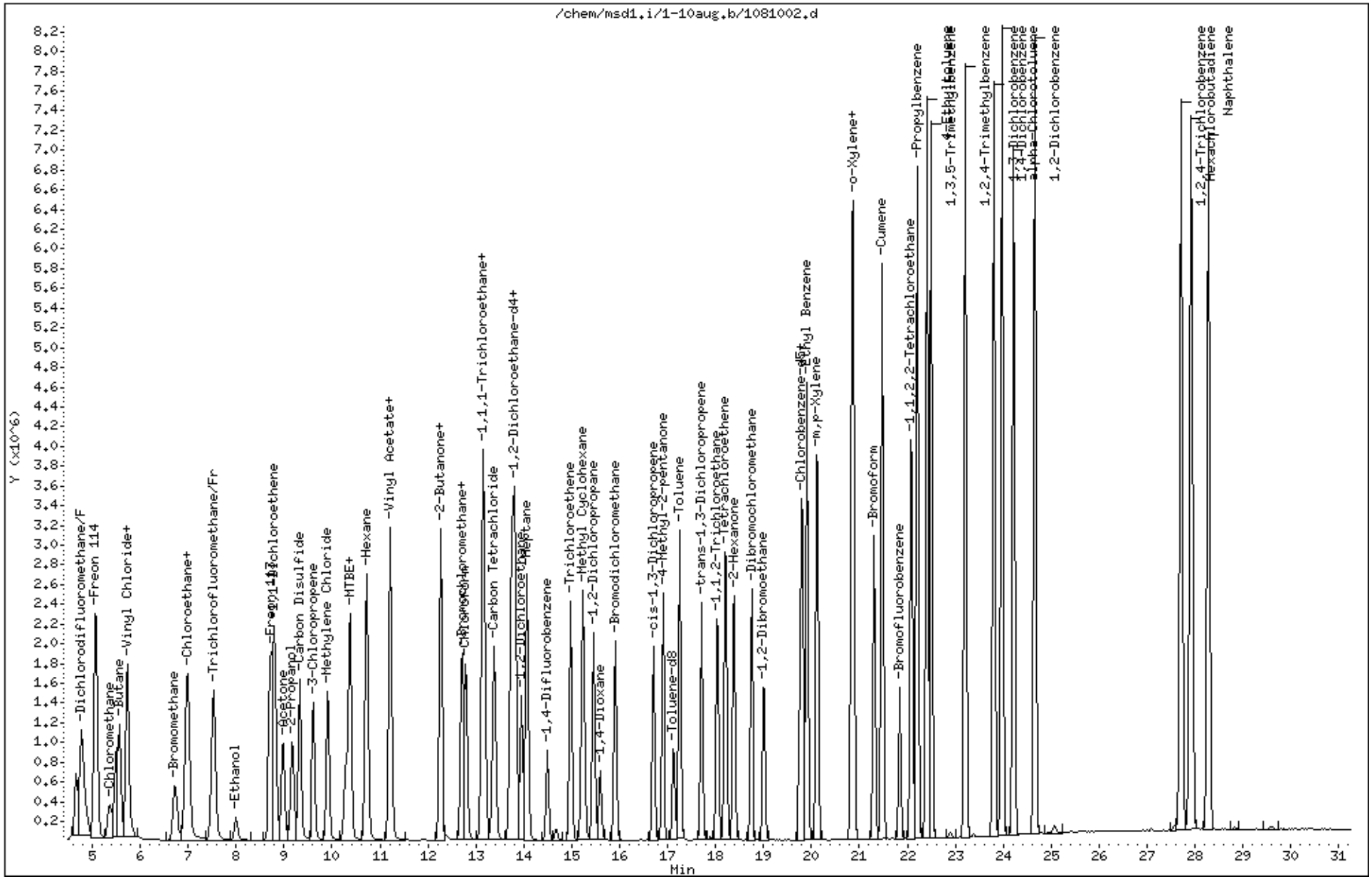
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	397970	0.00
96 1,4-Difluorobenze	1420779	852467	1989091	1420779	0.00
125 Chlorobenzene-d5	1233589	740153	1727025	1233589	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	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/msd1.i/1-10aug.b/1081002.d
Date : 10-AUG-2007 08:39
Client ID: CCV-1
Sample Info: 50mL #1443-239

Instrument: msd1.i
Operator: cb
Column phase: RTx-624
Column diameter: 0.53



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707553-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081003**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 09:19 AM**

Compound	%Recovery
Freon 12	107
Freon 114	107
Vinyl Chloride	105
Bromomethane	115
Chloroethane	98
Freon 11	106
1,1-Dichloroethene	100
Freon 113	105
Methylene Chloride	100
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	103
Chloroform	104
1,1,1-Trichloroethane	108
Carbon Tetrachloride	112
Benzene	101
1,2-Dichloroethane	106
Trichloroethene	101
1,2-Dichloropropane	101
cis-1,3-Dichloropropene	103
Toluene	101
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	99
Tetrachloroethene	105
1,2-Dibromoethane (EDB)	103
Chlorobenzene	102
Ethyl Benzene	104
m,p-Xylene	101
o-Xylene	102
Styrene	104
1,1,2,2-Tetrachloroethane	101
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	106
1,2-Dichlorobenzene	101
1,3-Butadiene	106
Hexane	103
Cyclohexane	106

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707553-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1081003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/07 09:19 AM**	

Compound	%Recovery
Heptane	104
Bromodichloromethane	108
Dibromochloromethane	111
Cumene	102
Propylbenzene	105
Chloromethane	105
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	100
Acetone	99
Carbon Disulfide	100
2-Propanol	100
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	104
Tetrahydrofuran	90
1,4-Dioxane	96
4-Methyl-2-pentanone	104
2-Hexanone	100
Bromoform	112
4-Ethyltoluene	102
Ethanol	97
Methyl tert-butyl ether	68
3-Chloropropene	99
2,2,4-Trimethylpentane	104
Naphthalene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	102	70-130

Report Date: 10-Aug-2007 09:39

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-10aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
15 Dichlorodifluorome	50.000	53.356	106.71	70-130
18 Freon 114	50.000	53.639	107.28	70-130
19 Chloromethane	50.000	52.319	104.64	70-130
22 Vinyl Chloride	50.000	52.712	105.42	70-130
23 1,3-Butadiene	50.000	52.934	105.87	60-140
27 Bromomethane	50.000	57.739	115.48	70-130
30 Chloroethane	50.000	49.173	98.35	70-130
32 Trichlorofluoromet	50.000	53.085	106.17	70-130
39 Ethanol	50.000	48.405	96.81	60-140
44 Freon 113	50.000	52.498	105.00	70-130
45 1,1-Dichloroethene	50.000	49.854	99.71	70-130
46 Acetone	50.000	49.394	98.79	60-140
49 Carbon Disulfide	50.000	50.030	100.06	60-140
47 2-Propanol	50.000	49.815	99.63	60-140
56 Methylene Chloride	50.000	50.145	100.29	70-130
60 MTBE	50.000	34.097	68.19	60-140
61 trans-1,2-Dichloro	50.000	51.251	102.50	60-140
65 Hexane	50.000	51.708	103.42	60-140
70 1,1-Dichloroethane	50.000	52.037	104.07	70-130
77 cis-1,2-Dichloroet	50.000	51.599	103.20	70-130
75 2-Butanone	50.000	52.151	104.30	60-140
79 Tetrahydrofuran	50.000	45.062	90.12	60-140
81 Chloroform	50.000	52.276	104.55	70-130
84 Cyclohexane	50.000	52.834	105.67	60-140
83 1,1,1-Trichloroeth	50.000	53.866	107.73	70-130
86 Carbon Tetrachlori	50.000	55.850	111.70	70-130
91 Benzene	50.000	50.682	101.37	70-130
93 1,2-Dichloroethane	50.000	52.865	105.73	70-130
94 Heptane	50.000	51.839	103.68	60-140
100 Trichloroethene	50.000	50.375	100.75	70-130
104 1,2-Dichloropropan	50.000	50.362	100.72	70-130
106 1,4-Dioxane	50.000	47.960	95.92	60-140
108 Bromodichlorometha	50.000	53.874	107.75	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
111 cis-1,3-Dichloropr	50.000	51.312	102.63	70-130
112 4-Methyl-2-pentano	50.000	52.047	104.09	60-140
115 Toluene	50.000	50.421	100.84	70-130
116 trans-1,3-Dichloro	50.000	52.946	105.89	70-130
118 1,1,2-Trichloroeth	50.000	49.707	99.41	70-130
119 Tetrachloroethene	50.000	52.356	104.71	70-130
120 2-Hexanone	50.000	50.129	100.26	60-140
123 Dibromochlorometha	50.000	55.455	110.91	60-140
124 1,2-Dibromoethane	50.000	51.400	102.80	70-130
126 Chlorobenzene	50.000	51.263	102.53	70-130
128 Ethyl Benzene	50.000	52.002	104.00	70-130
130 m,p-Xylene	50.000	50.606	101.21	70-130
131 o-Xylene	50.000	51.076	102.15	70-130
132 Styrene	50.000	51.981	103.96	70-130
133 Bromoform	50.000	56.058	112.12	60-140
138 1,1,2,2-Tetrachlor	50.000	50.574	101.15	70-130
144 4-Ethyltoluene	50.000	51.122	102.24	60-140
146 1,3,5-Trimethylben	50.000	50.613	101.23	70-130
150 1,2,4-Trimethylben	50.000	50.862	101.73	70-130
156 1,3-Dichlorobenzen	50.000	51.067	102.13	70-130
157 1,4-Dichlorobenzen	50.000	50.809	101.62	70-130
159 alpha-Chlorotoluen	50.000	53.200	106.40	70-130
162 1,2-Dichlorobenzen	50.000	50.453	100.91	70-130
167 1,2,4-Trichloroben	50.000	49.441	98.88	70-130
168 Hexachlorobutadien	50.000	49.787	99.57	70-130
139 Propylbenzene	50.000	52.536	105.07	60-140
135 Cumene	50.000	51.229	102.46	60-140
51 3-Chloropropene	50.000	49.636	99.27	60-140
89 2,2,4-Trimethylpen	50.000	51.811	103.62	60-140
29 Isopentane	50.000	49.633	99.27	70-130
20 Butane	50.000	50.912	101.82	70-130
102 Methyl Cyclohexane	50.000	49.718	99.44	70-130
12 Propylene	50.000	50.590	101.18	60-140
169 Naphthalene	50.000	49.401	98.80	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.025	104.10	70-130
$ 113 Toluene-d8	25.000	24.822	99.29	70-130
$ 137 Bromofluorobenzene	25.000	25.463	101.85	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-10aug.b/1081003.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 10-AUG-2007 09:19
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-163
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /var/chem/msd1.i/1-10aug.b/t14q807a.m
Meth Date : 10-Aug-2007 08:56 cbond Quant Type: ISTD
Cal Date : 07-AUG-2007 22:10 Cal File: 1080716.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	384138	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	310012			27.54- 127.54	80.70
12.696	12.724 (1.000)	49	1194227			252.03- 352.03	310.88
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1418902	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	207768			0.00- 65.92	14.64
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	1227172	25.0000		80.00- 120.00	100.00
19.775	19.775 (1.000)	82	682288			4.35- 104.35	55.60
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.803 (1.085)	65	661577	26.0249	26.025	80.00- 120.00	100.00
13.802	13.803 (1.085)	67	336725			2.32- 102.32	50.90
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.120	17.148 (1.181)	98	1260959	24.8220	24.822	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	144729			0.00- 61.39	11.48

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.148 (1.181)	100	878480			21.82- 121.82	69.67
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.849 (1.105)	174	695902	25.4629	25.463	80.00- 120.00	100.00
21.848	21.849 (1.105)	95	1047334			103.65- 203.65	150.50
21.848	21.849 (1.105)	176	646137			43.38- 143.38	92.85
12 Propylene					CAS #: 115-07-1		
4.650	4.651 (0.365)	41	1250998	50.5901	50.590	80.00- 120.00	100.00
4.650	4.651 (0.365)	42	878647			21.55- 121.55	70.24
4.650	4.651 (0.365)	39	965244			32.37- 132.37	77.16
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.761	4.761 (0.374)	85	3582661	53.3556	53.356	80.00- 120.00	100.00
4.761	4.761 (0.374)	87	1135240			0.00- 81.57	31.69
18 Freon 114					CAS #: 76-14-2		
5.065	5.093 (0.398)	135	2498407	53.6390	53.639	80.00- 120.00	100.00
5.065	5.093 (0.398)	137	782164			0.00- 80.60	31.31
19 Chloromethane					CAS #: 74-87-3		
5.369	5.369 (0.422)	50	1789307	52.3191	52.319	80.00- 120.00	100.00
5.369	5.369 (0.422)	52	600309			0.00- 84.77	33.55
22 Vinyl Chloride					CAS #: 75-01-4		
5.701	5.701 (0.448)	62	2132276	52.7117	52.712	80.00- 120.00	100.00
5.701	5.701 (0.448)	64	611420			0.00- 80.38	28.67
23 1,3-Butadiene					CAS #: 106-99-0		
5.701	5.729 (0.448)	54	1623359	52.9336	52.934	80.00- 120.00	100.00
5.701	5.729 (0.448)	39	1244092			31.49- 131.49	76.64
27 Bromomethane					CAS #: 74-83-9		
6.697	6.697 (0.526)	94	1457454	57.7392	57.739	80.00- 120.00	100.00
6.697	6.697 (0.526)	96	1353500			45.18- 145.18	92.87
30 Chloroethane					CAS #: 75-00-3		
6.945	6.945 (0.546)	64	977373	49.1726	49.173	80.00- 120.00	100.00
6.945	6.945 (0.546)	49	288860			0.00- 79.94	29.55
6.945	6.945 (0.546)	66	288057			0.00- 79.23	29.47
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.498	7.526 (0.589)	101	3694221	53.0855	53.085	80.00- 120.00	100.00
7.498	7.526 (0.589)	103	2366723			14.00- 114.00	64.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
7.996	7.996 (0.628)	45	629713	48.4046	48.405	80.00- 120.00	100.00
7.996	7.996 (0.628)	43	119102			0.00- 76.62	18.91
7.996	7.996 (0.628)	46	227341			0.00- 84.38	36.10
44 Freon 113					CAS #: 76-13-1		
8.715	8.743 (0.685)	151	1970371	52.4982	52.498	80.00- 120.00	100.00
8.715	8.743 (0.685)	153	1226230			13.20- 113.20	62.23
8.715	8.715 (0.685)	101	2690198			88.23- 188.23	136.53
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.798	8.798 (0.691)	61	3134163	49.8542	49.854	80.00- 120.00	100.00
8.798	8.826 (0.691)	96	1398875			0.00- 93.26	44.63
8.798	8.826 (0.691)	98	906892			0.00- 77.57	28.94
46 Acetone					CAS #: 67-64-1		
8.964	8.992 (0.704)	58	1024197	49.3936	49.394	80.00- 120.00	100.00
8.964	8.992 (0.704)	43	2768678			218.71- 318.71	270.33
47 2-Propanol					CAS #: 67-63-0		
9.157	9.157 (0.720)	45	3145183	49.8150	49.815	80.00- 120.00	100.00
9.157	9.157 (0.720)	43	691066			0.00- 70.92	21.97
9.157	9.157 (0.720)	59	143547			0.00- 54.48	4.56
49 Carbon Disulfide					CAS #: 75-15-0		
9.323	9.323 (0.733)	76	4614449	50.0299	50.030	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.600	9.627 (0.754)	76	729837	49.6364	49.636	80.00- 120.00	100.00
9.600	9.627 (0.754)	41	2276613			257.91- 357.91	311.93
56 Methylene Chloride					CAS #: 75-09-2		
9.904	9.904 (0.778)	49	2314770	50.1453	50.145	80.00- 120.00	100.00
9.904	9.904 (0.778)	84	1222484			3.53- 103.53	52.81
9.904	9.904 (0.778)	51	741118			0.00- 81.78	32.02
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	1297156	34.0973	34.097	80.00- 120.00	100.00
10.291	10.291 (0.809)	57	414605			0.00- 81.92	31.96
10.291	10.291 (0.809)	41	326435			0.00- 78.00	25.17
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	1613947	51.2507	51.251	80.00- 120.00	100.00
10.346	10.374 (0.813)	61	3313957			151.86- 251.86	205.33
10.374	10.374 (0.815)	98	1015613			16.72- 116.72	62.93

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	3509818	51.7083	51.708	80.00- 120.00	100.00
10.733	10.733 (0.844)	43	1873104			1.68- 101.68	53.37
10.733	10.733 (0.844)	86	348308			0.00- 60.34	9.92
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	317834	50.5531	50.553	80.00- 120.00	100.00
11.203	11.203 (0.880)	43	4934017			1452.24-1552.24	1552.39
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.203 (0.880)	63	3776721	52.0370	52.037	80.00- 120.00	100.00
11.203	11.203 (0.880)	65	1106919			0.00- 78.54	29.31
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	696308	52.1508	52.151	80.00- 120.00	100.00
12.226	12.254 (0.961)	43	3465292			444.05- 544.05	497.67
12.254	12.254 (0.963)	57	326949			0.00- 97.87	46.95
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.254 (0.963)	61	2776443	51.5990	51.599	80.00- 120.00	100.00
12.254	12.254 (0.963)	96	1484806			3.60- 103.60	53.48
12.254	12.254 (0.963)	98	943430			0.00- 83.79	33.98
79 Tetrahydrofuran					CAS #: 109-99-9		
12.696	12.697 (0.998)	42	1876006	45.0623	45.062	80.00- 120.00	100.00
12.696	12.724 (0.998)	71	626890			0.00- 82.66	33.42
12.696	12.724 (0.998)	72	683419			0.00- 87.61	36.43
81 Chloroform					CAS #: 67-66-3		
12.779	12.780 (1.004)	83	2678673	52.2755	52.276	80.00- 120.00	100.00
12.779	12.780 (1.004)	85	1731165			14.37- 114.37	64.63
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2699546	53.8665	53.866	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1708677			13.67- 113.67	63.29
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	1707135	52.8337	52.834	80.00- 120.00	100.00
13.139	13.139 (1.033)	56	3117532			131.37- 231.37	182.62
13.139	13.139 (1.033)	41	1411186			32.09- 132.09	82.66
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2682308	55.8503	55.850	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	2825456			53.78- 153.78	105.34
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	8853570	51.8109	51.811	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	2928942			0.00- 83.11	33.08
13.747	13.747 (0.948)	41	1960745			0.00- 72.29	22.15
91 Benzene					CAS #: 71-43-2		
13.802	13.830 (0.952)	78	3717004	50.6825	50.682	80.00- 120.00	100.00
13.830	13.830 (0.954)	77	812097			0.00- 72.79	21.85
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	2420714	52.8652	52.865	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	713280			0.00- 79.00	29.47
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	1222902	51.8395	51.839	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2634866			176.98- 276.98	215.46
14.051	14.051 (0.969)	57	1660355			85.42- 185.42	135.77
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1470548	50.3751	50.375	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1410543			46.11- 146.11	95.92
14.964	14.964 (1.032)	97	951001			13.21- 113.21	64.67
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1718043	50.3623	50.362	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	1317425			25.78- 125.78	76.68
15.461	15.461 (1.067)	41	930966			4.66- 104.66	54.19
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	785986	47.9603	47.960	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	788036			49.59- 149.59	100.26
15.600	15.600 (1.076)	57	283187			0.00- 84.19	36.03
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2418154	53.8737	53.874	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1547700			12.48- 112.48	64.00
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1977789	51.3125	51.312	80.00- 120.00	100.00
16.706	16.706 (1.153)	77	613024			0.00- 82.15	31.00
16.706	16.706 (1.153)	39	1256680			15.05- 115.05	63.54
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	1623610	52.0474	52.047	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	3455904			163.33- 263.33	212.85
16.899	16.899 (1.166)	85	445826			0.00- 76.84	27.46

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	3949964	50.4213	50.421	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	2509715			13.33- 113.33	63.54
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	2084520	52.9463	52.946	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	659575			0.00- 81.43	31.64
17.701	17.701 (0.895)	39	1298049			13.12- 113.12	62.27
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.061 (0.912)	97	1430396	49.7071	49.707	80.00- 120.00	100.00
18.060	18.033 (0.913)	99	897411			11.22- 111.22	62.74
18.033	18.033 (0.912)	83	1193527			32.49- 132.49	83.44
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	1728125	52.3565	52.356	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	1356648			27.33- 127.33	78.50
18.199	18.226 (0.920)	131	1351437			28.62- 128.62	78.20
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	2266037	50.1292	50.129	80.00- 120.00	100.00
18.365	18.392 (0.929)	43	3551482			108.80- 208.80	156.73
18.392	18.392 (0.930)	100	273213			0.00- 61.82	12.06
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	2603863	55.4548	55.455	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	2023306			28.51- 128.51	77.70
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.028 (0.961)	107	2342793	51.4003	51.400	80.00- 120.00	100.00
19.028	19.001 (0.962)	109	2196978			42.81- 142.81	93.78
126 Chlorobenzene					CAS #: 108-90-7		
19.830	19.830 (1.003)	112	3769150	51.2634	51.263	80.00- 120.00	100.00
19.830	19.830 (1.003)	114	1184031			0.00- 81.15	31.41
19.802	19.802 (1.001)	77	2112393			6.16- 106.16	56.04
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1919237	52.0020	52.002	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	6117418			274.52- 374.52	318.74
130 m,p-Xylene					CAS #: 108-38-3		
20.134	20.134 (1.018)	106	2500662	50.6063	50.606	80.00- 120.00	100.00
20.134	20.134 (1.018)	91	4983079			148.90- 248.90	199.27
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	2511531	51.0760	51.076	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	5310134			167.30- 267.30	211.43
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	4084125	51.9812	51.981	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	2073697			0.12- 100.12	50.77
133 Bromoform					CAS #: 75-25-2		
21.295	21.296 (1.077)	173	2617397	56.0579	56.058	80.00- 120.00	100.00
21.295	21.296 (1.077)	171	1374556			1.56- 101.56	52.52
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	7549520	51.2293	51.229	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	2045804			0.00- 77.64	27.10
21.461	21.461 (1.085)	51	1026342			0.00- 63.65	13.59
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	4526659	50.5739	50.574	80.00- 120.00	100.00
22.070	22.070 (1.116)	85	2855362			12.42- 112.42	63.08
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	10843049	52.5356	52.536	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	2374390			0.00- 72.66	21.90
22.208	22.208 (1.123)	105	363374			0.00- 53.91	3.35
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	9042966	51.1221	51.122	80.00- 120.00	100.00
22.401	22.401 (1.133)	120	2877238			0.00- 81.46	31.82
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	7672535	50.6129	50.613	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	3959388			0.56- 100.56	51.60
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	7975168	50.8625	50.862	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	3893055			0.00- 98.43	48.81
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	5784898	51.0670	51.067	80.00- 120.00	100.00
23.812	23.812 (1.204)	148	3604605			13.75- 113.75	62.31
23.812	23.812 (1.204)	111	2453841			0.00- 93.40	42.42
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.978 (1.213)	146	6112767	50.8093	50.809	80.00- 120.00	100.00
23.977	23.978 (1.213)	148	3818575			12.68- 112.68	62.47
23.977	23.978 (1.213)	111	2514771			0.00- 90.67	41.14

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	10036591	53.1997	53.200	80.00- 120.00	100.00
24.199	24.199 (1.224)	126	1886672			0.00- 69.63	18.80
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	6140664	50.4527	50.453	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	3855872			12.46- 112.46	62.79
24.669	24.669 (1.247)	111	2723352			0.00- 93.36	44.35
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	4344730	49.4407	49.441	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	4083988			44.32- 144.32	94.00
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	3048916	49.7869	49.787	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	1921525			12.86- 112.86	63.02
29 Isopentane					CAS #: 78-78-4		
7.001	7.001 (0.550)	43	2024479	49.6332	49.633	80.00- 120.00	100.00
7.001	7.001 (0.550)	57	1658548			28.96- 128.96	81.92
20 Butane					CAS #: 106-97-8		
5.563	5.563 (0.437)	58	337497	50.9119	50.912	80.00- 120.00	100.00
5.563	5.563 (0.437)	43	2361928			658.53- 758.53	699.84
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1974412	49.7185	49.718	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	892330			0.00- 93.50	45.19
15.240	15.240 (1.052)	55	2478704			70.64- 170.64	125.54
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	10884733	49.4010	49.401	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	1285971			0.00- 62.45	11.81

Report Date: 10-Aug-2007 09:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1081003.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd1.i/1-10aug.b/t14q807a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 10-AUG-2007
Calibration Time: 08:39
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	397970	238782	557158	384138	-3.48
96 1,4-Difluorobenze	1420779	852467	1989091	1418902	-0.13
125 Chlorobenzene-d5	1233589	740153	1727025	1227172	-0.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

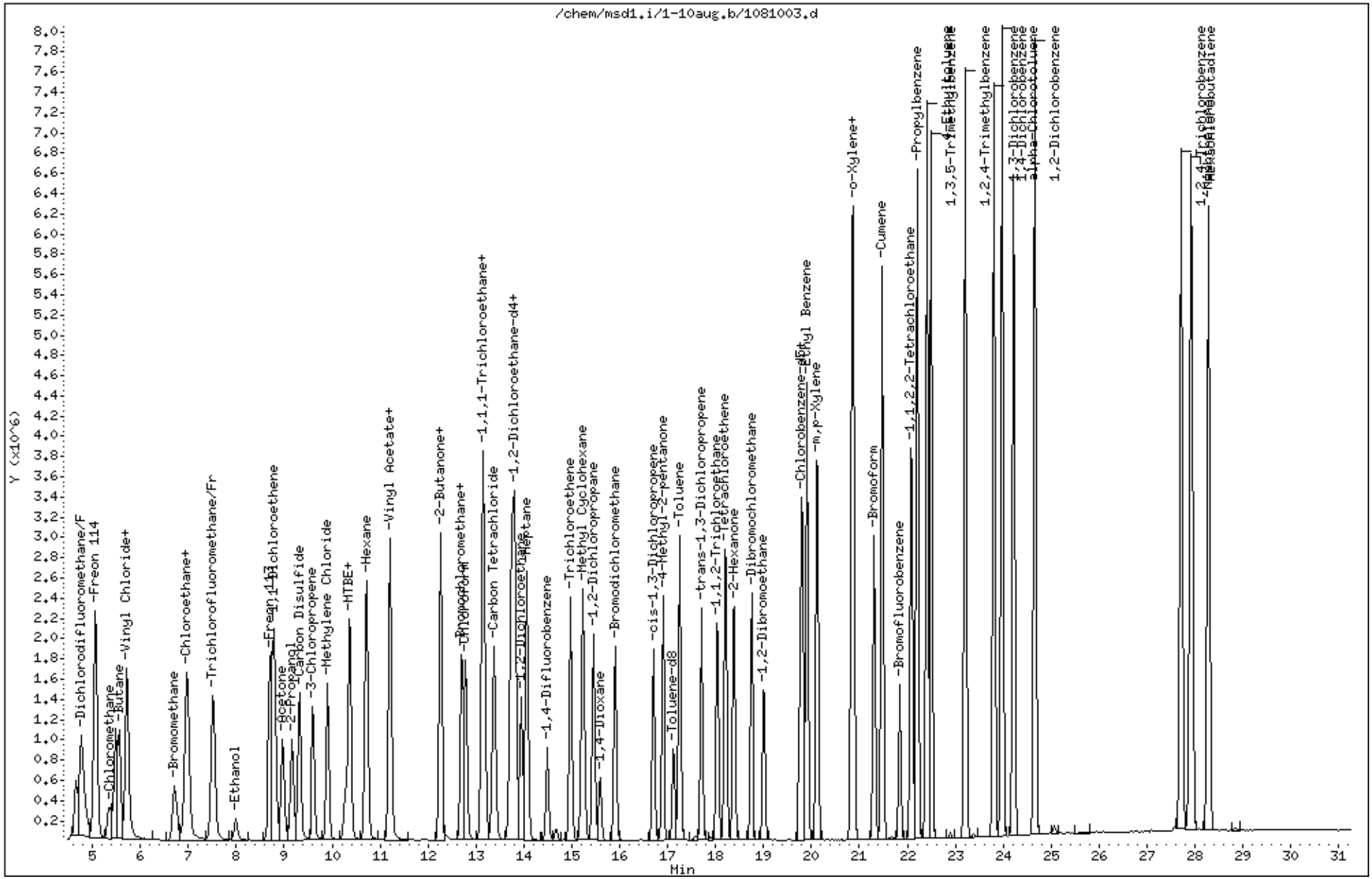
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0160

Data File: /chem/msd1.i/1-10aug.b/1081003.d
Date : 10-AUG-2007 09:19
Client ID: LCS-1
Sample Info: 50mL #1443-163

Instrument: msd1.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.55
75	30.0 – 60.0% of mass 95	42.59
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	7.07
173	Less than 2.0% of mass 174	(0.69)[1]
174	Greater than 50.0% of mass 95	66.18
175	5.0 – 9.0% of mass 174	(6.99)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.30)[1]
177	5.0 – 9.0% of mass 176	(6.44)[2]

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

BFB Injection Date: 8/10/07

BFB Injection Time: 0818

BFB File ID: 1081001

Tekmar Purge Flow: 19.6 mL/min

Vacuum: 3.6×10^{-5} torr

IS/S Std.#:	1443-226	Exp. Date: 10/31/07
BCM	397970	
1,4-DFB	1420779	
CB-d5	1233589	

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

Verify 176/174 m/z Ratio: 1204224 / 1263616 x100 = 95.30%

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

Calculation Check:

$$\text{ppbv of compound} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 667379\ )}{(\ 397970\ )} \times \frac{(\ 25.0\ )}{(\ 1.65441\ )} = 25.341$$

File ID:	1081002
Compound:	1,2-DCA-d4
Initials:	CB

Reported Result 25.341

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1081001	BFB Tune Check	843-2915	50ng	2mL	1.00	CB	8/10/07	0818	CB/NA	Apex
2	✓	02	CCV-1 (200 ppbv)	1443-239	50 ppbv	50mL		CB		0839	CB/NA	
3	✓	03	LCS-1 (200 ppbv)	1443-163	50 ppbv	50mL		CB		0919	CB	
4	✓	04	TVH (200 ppbv)	1443-161	100 ppbv	100mL		CB		1002	CB	
5	✓	05	Lab Blank	31437	Humid	200mL	↓	CB		1055	CB	
6	✓	06	0708165A - 03A	3710	5.5"Hg-5psi	200mL	1.64	CB		1229	CB	
7	✓	07	- 04A	9531	5.5"Hg-15psi	2mL	247	CB		1321	CB	Dil for NT
8	✓	08	- 04AA	↓	↓	↓	↓	CB		1406	CB	↓
9	✓	09	- 05A	9329	6.0"Hg-15psi	1.5mL	337	CB	↓	1454	CB	

8/10/07
Date

0161

10	✓	10810 10	0707553-01A	~~34188~~	9.0"Hg-5psi	200mL	1.91	CB	8/10/07	1548	GS	34188 on ID
11	✓	11	-01AA	34188	1	1	1	CB	↓	1631	GS	
12	✓	12	02A	338161	9.5"Hg-5psi	200mL	1.96	GS		1708	GS	
13	X	13	0707550-01A	25318	2.0"Hg-5psi	~~35mL~~ 75mL	1.110	GS		1753	GS	500X R2@75mL
14	✓	14	0707550-01A	25318	2.0"Hg-5psi	75mL	1920	GS		1846	GS	500X
15	X	15	02A	35285	9.0"Hg-5psi	100mL	620	GS		1936	GS	200X
16	✓	16	02A	35285	9.0"Hg-5psi	50mL	1240	GS		2018	GS	200X
17	✓	17	03A	34310	2.5"Hg-5psi	75mL	1150	GS		2056	GS	500X
18	X	18	04A	13343	5.5"Hg-5psi	50mL	3230	GS		2140	GS	500X VK >600ppb
19	✓	19	System Blank	31437	Hg-5psi	200mL	1.00	GS	↓	2220	GS	
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

Comments:

Signature

Date

0162

Air Toxics Ltd.

Data file : /chem/msd1.i/1-07auga.b/1080710.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 07-AUG-2007 18:32
Operator : xp Inst ID: msd1.i
Smp Info : 2ul #843-2915;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-07auga.b/bfb105.m
Meth Date : 07-Aug-2007 18:24 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.222	8.228	-0.006	95	586138			100.00- 100.00	100.00
8.222	8.228	-0.006	50	132492			15.00- 40.00	22.60
8.222	8.228	-0.006	75	239880			30.00- 60.00	40.93
8.222	8.228	-0.006	96	46920			5.00- 9.00	8.00
8.222	8.228	-0.006	173	2258			0.00- 2.00	0.61
8.222	8.228	-0.006	174	370085			50.00- 100.00	63.14
8.222	8.228	-0.006	175	26354			5.00- 9.00	7.12
8.222	8.228	-0.006	176	352010			95.00- 101.00	95.12
8.222	8.228	-0.006	177	26136			5.00- 9.00	7.42

Data File: /chem/msd1.i/1-07auga.b/1080710.d

Date : 07-AUG-2007 18:32

Client ID: BFB

Instrument: msd1.i

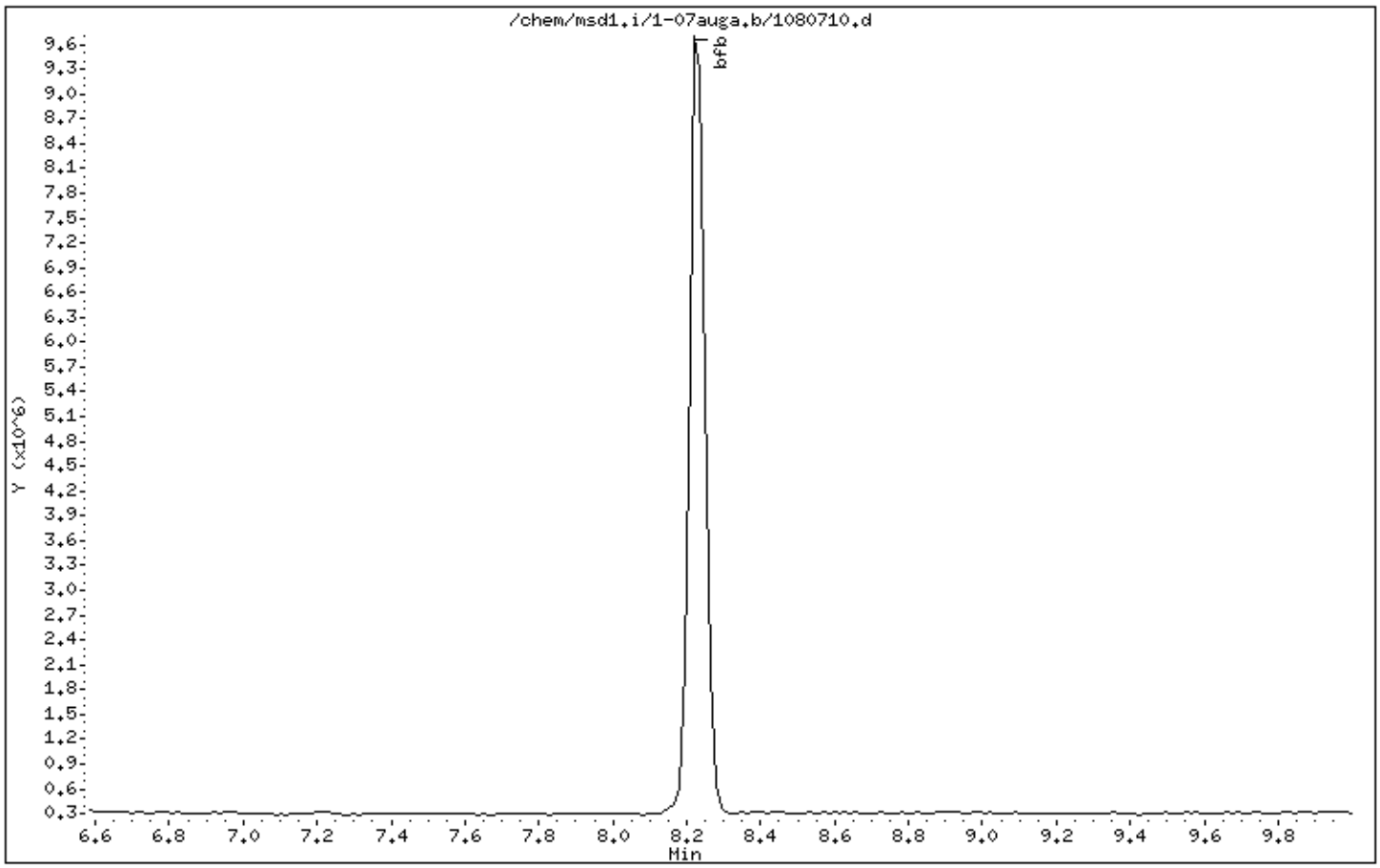
Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00



Data File: /chem/msd1.i/1-07auga.b/1080710.d

Date : 07-AUG-2007 18:32

Client ID: BFB

Instrument: msd1.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

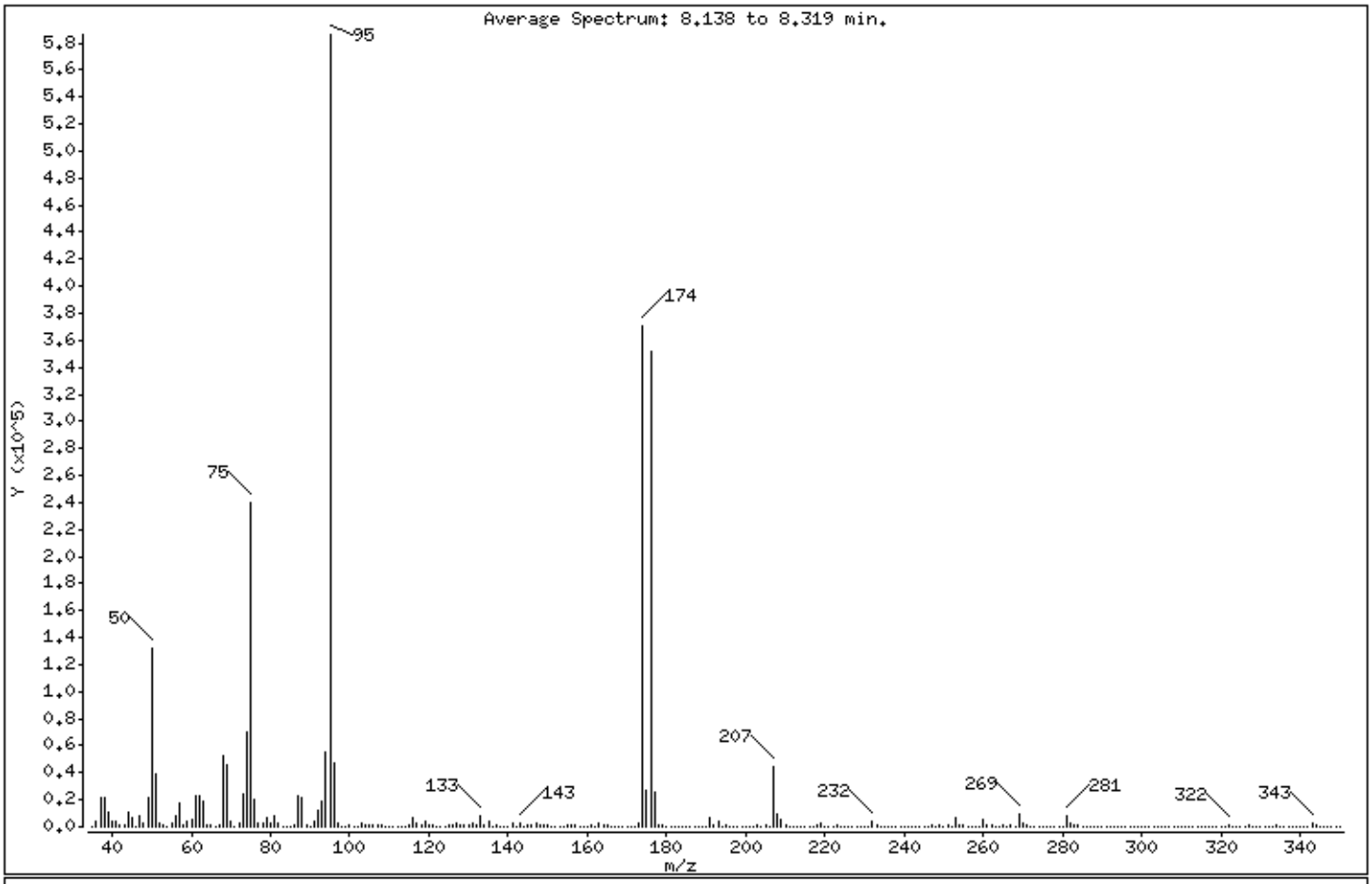
Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.60
75	30.00 - 60.00% of mass 95	40.93
96	5.00 - 9.00% of mass 95	8.00
173	Less than 2.00% of mass 174	0.39 (0.61)
174	50.00 - 100.00% of mass 95	63.14
175	5.00 - 9.00% of mass 174	4.50 (7.12)
176	95.00 - 101.00% of mass 174	60.06 (95.12)
177	5.00 - 9.00% of mass 176	4.46 (7.42)

Date : 07-AUG-2007 18:32

Client ID: BFB Instrument: msd1.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00

Data File: 1080710.d
Spectrum: Average Spectrum: 8.138 to 8.319 min.
Location of Maximum: 95.00
Number of points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	58	115.00	1863	195.00	1249	275.00	100
36.00	3485	116.00	6538	196.00	294	276.00	81
37.00	20888	117.00	3013	197.00	297	277.00	166
38.00	21000	118.00	1663	198.00	82	278.00	146
39.00	10201	119.00	4552	199.00	112	279.00	164
40.00	3678	120.00	679	200.00	112	280.00	41
41.00	4110	121.00	695	201.00	151	281.00	7570
42.00	1897	122.00	311	202.00	272	282.00	2342
43.00	1914	123.00	382	203.00	801	283.00	1474
44.00	10641	124.00	424	204.00	401	284.00	739
45.00	7058	125.00	896	205.00	733	285.00	311
46.00	532	126.00	913	206.00	556	286.00	75
47.00	8165	127.00	2709	207.00	44640	287.00	61
48.00	2704	128.00	1606	208.00	9210	288.00	88
49.00	21144	129.00	880	209.00	5674	289.00	12
50.00	132480	130.00	1481	210.00	1043	290.00	188
51.00	39368	131.00	2446	211.00	334	291.00	113
52.00	2295	132.00	797	212.00	106	292.00	79
53.00	704	133.00	7945	213.00	58	293.00	516
54.00	543	134.00	1388	214.00	69	294.00	344
55.00	2053	135.00	3993	215.00	83	295.00	189
56.00	8148	136.00	575	216.00	291	296.00	197
57.00	16920	137.00	1175	217.00	317	297.00	171
58.00	1094	138.00	322	218.00	848	298.00	104
59.00	3376	139.00	453	219.00	2189	299.00	17
60.00	4923	140.00	612	220.00	498	300.00	30
61.00	23344	141.00	2449	221.00	616	301.00	44
62.00	22432	142.00	498	222.00	155	302.00	13
63.00	18280	143.00	3017	223.00	703	303.00	33
64.00	1727	144.00	475	224.00	160	304.00	45
65.00	842	145.00	782	225.00	177	305.00	66
66.00	434	146.00	875	226.00	132	306.00	367
67.00	1786	147.00	2914	227.00	158	307.00	191
68.00	52304	148.00	1260	228.00	94	308.00	93
69.00	45992	149.00	1468	229.00	44	309.00	150

Date : 07-AUG-2007 18:32

Client ID: BFB Instrument: msd1.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00

Data File: 1080710.d
Spectrum: Average Spectrum: 8.138 to 8.319 min.
Location of Maximum: 95.00
Number of points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	3986	150.00	762	230.00	130	310.00	90
71.00	594	151.00	244	231.00	72	311.00	159
72.00	2729	152.00	361	232.00	3724	312.00	93
73.00	24384	153.00	425	233.00	931	313.00	313
74.00	70288	154.00	558	234.00	541	314.00	72
75.00	239872	155.00	1266	235.00	555	315.00	170
76.00	19760	156.00	1087	236.00	135	316.00	118
77.00	3322	157.00	866	237.00	221	317.00	101
78.00	2723	158.00	526	238.00	132	318.00	56
79.00	6129	159.00	633	239.00	583	319.00	65
80.00	2130	160.00	204	240.00	226	320.00	11
81.00	7430	161.00	1498	241.00	121	321.00	41
82.00	2076	162.00	440	242.00	53	322.00	726
83.00	463	163.00	2198	243.00	94	323.00	433
84.00	224	164.00	1139	244.00	154	324.00	118
85.00	601	165.00	1554	245.00	83	325.00	316
86.00	821	166.00	357	246.00	101	326.00	174
87.00	22688	167.00	361	247.00	820	327.00	1020
88.00	21616	168.00	307	248.00	298	328.00	444
89.00	1516	169.00	289	249.00	1411	329.00	288
90.00	415	170.00	328	250.00	549	330.00	173
91.00	3749	171.00	543	251.00	748	331.00	542
92.00	11661	172.00	447	252.00	264	332.00	168
93.00	19264	173.00	2258	253.00	6599	333.00	73
94.00	55336	174.00	370048	254.00	1848	334.00	1399
95.00	586112	175.00	26352	255.00	992	335.00	585
96.00	46920	176.00	352000	256.00	259	336.00	477
97.00	2376	177.00	26136	257.00	102	337.00	162
98.00	462	178.00	1296	258.00	121	338.00	52
99.00	208	179.00	1576	259.00	130	339.00	71
100.00	728	180.00	519	260.00	4937	340.00	63
101.00	423	181.00	533	261.00	1515	341.00	616
102.00	637	182.00	194	262.00	851	342.00	227
103.00	2293	183.00	132	263.00	237	343.00	2338
104.00	1813	184.00	97	264.00	153	344.00	934

Date : 07-AUG-2007 18:32

Client ID: BFB Instrument: msd1.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00

Data File: 1080710.d
Spectrum: Average Spectrum: 8.138 to 8.319 min.
Location of Maximum: 95.00
Number of points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	1609	185.00	189	265.00	1127	345.00	596
106.00	1475	186.00	89	266.00	407	346.00	221
107.00	906	187.00	170	267.00	1388	347.00	108
108.00	1229	188.00	238	268.00	407	348.00	50
109.00	566	189.00	587	269.00	9551	349.00	86
110.00	451	190.00	227	270.00	2586	350.00	42
111.00	515	191.00	7304	271.00	1446		
112.00	650	192.00	1747	272.00	528		
113.00	505	193.00	3410	273.00	205		
114.00	90	194.00	673	274.00	33		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-08aug.b/1080801.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 08-AUG-2007 09:22
Operator : cb Inst ID: msd1.i
Smp Info : 2uL #843-2915;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-08aug.b/bfb105.m
Meth Date : 08-Aug-2007 09:15 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.236	8.228	0.008	95	1808912			100.00- 100.00	100.00
8.236	8.228	0.008	50	391289			15.00- 40.00	21.63
8.236	8.228	0.008	75	720714			30.00- 60.00	39.84
8.236	8.228	0.008	96	115837			5.00- 9.00	6.40
8.236	8.228	0.008	173	7945			0.00- 2.00	0.68
8.236	8.228	0.008	174	1174592			50.00- 100.00	64.93
8.236	8.228	0.008	175	82460			5.00- 9.00	7.02
8.236	8.228	0.008	176	1127323			95.00- 101.00	95.98
8.236	8.228	0.008	177	71094			5.00- 9.00	6.31

Data File: /var/chem/msd1.i/1-08aug.b/1080801.d

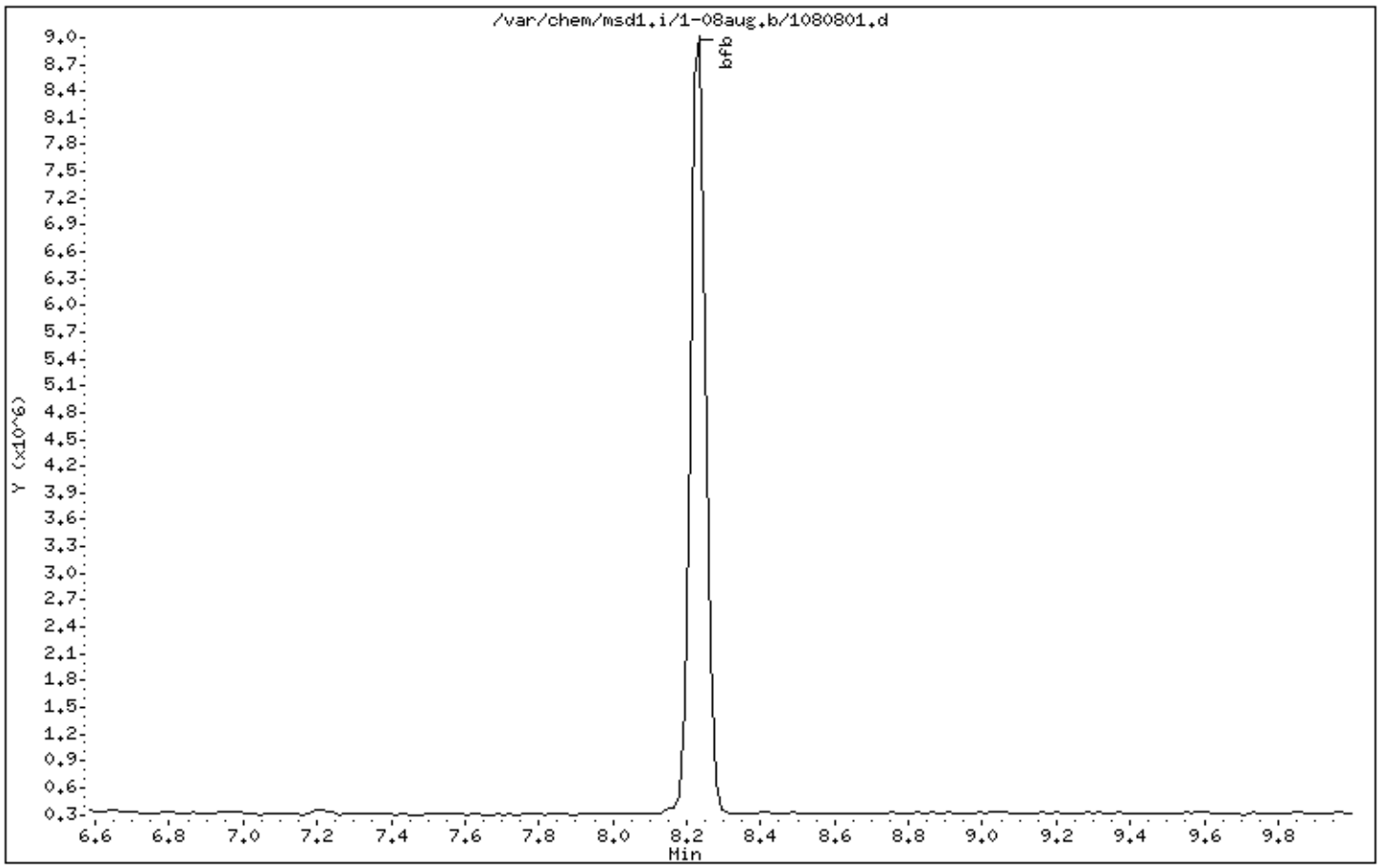
Date : 08-AUG-2007 09:22

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /var/chem/msd1.i/1-08aug.b/1080801.d

Date : 08-AUG-2007 09:22

Client ID: BFB

Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BFB tune check

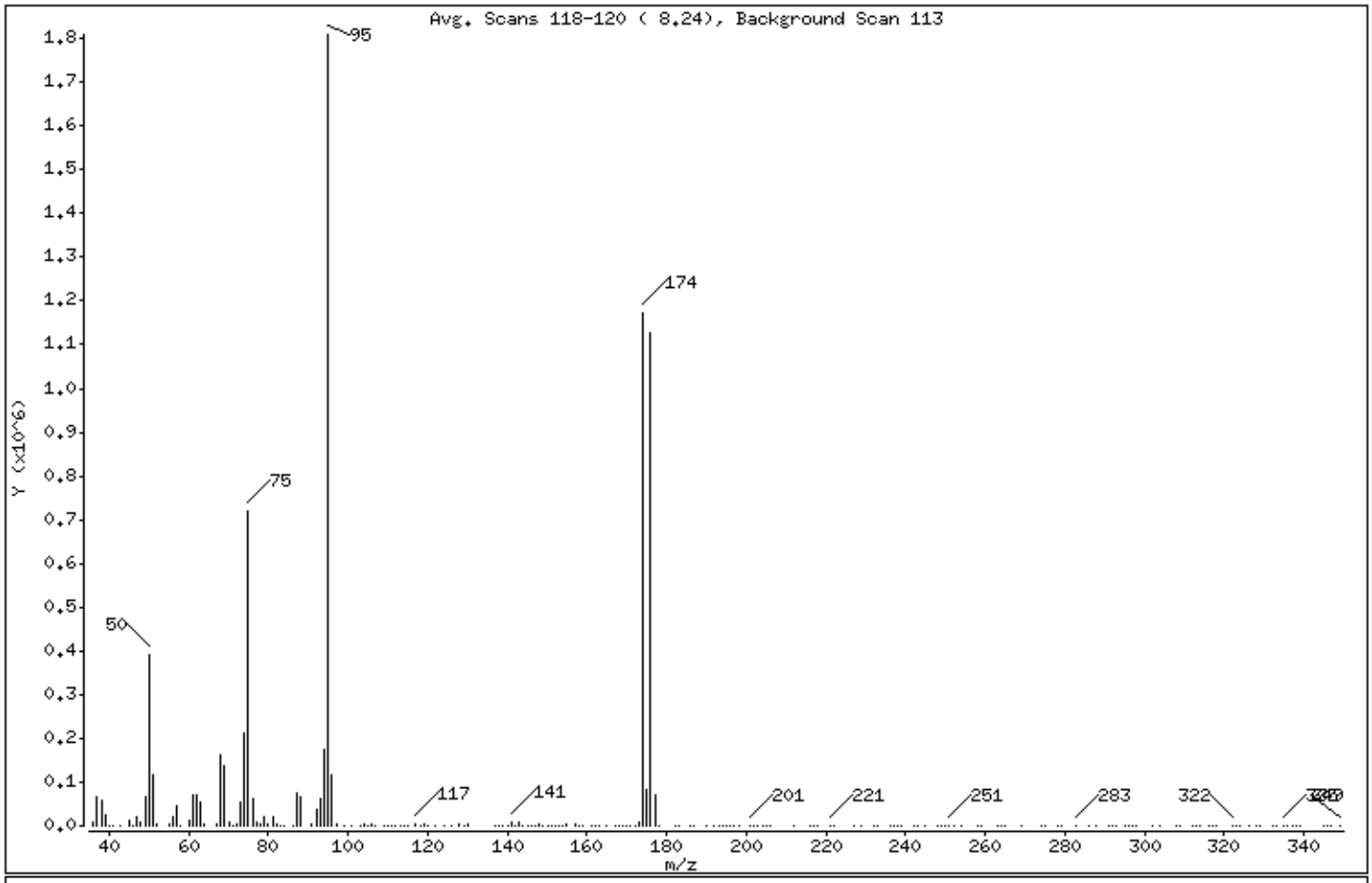
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.63
75	30.00 - 60.00% of mass 95	39.84
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.44 (0.68)
174	50.00 - 100.00% of mass 95	64.93
175	5.00 - 9.00% of mass 174	4.56 (7.02)
176	95.00 - 101.00% of mass 174	62.32 (95.98)
177	5.00 - 9.00% of mass 176	3.93 (6.31)

Date : 08-AUG-2007 09:22

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1080801.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 113
Location of Maximum: 95.00
Number of points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10080	97.00	3315	167.00	77	252.00	171
37.00	66880	99.00	205	168.00	402	254.00	402
38.00	59432	101.00	153	169.00	255	258.00	106
39.00	25448	103.00	233	170.00	292	259.00	95
40.00	973	104.00	3900	171.00	1733	263.00	77
41.00	45	105.00	658	172.00	1288	264.00	203
43.00	429	106.00	3527	173.00	7945	265.00	409
45.00	12874	107.00	665	174.00	1174528	269.00	853
46.00	529	109.00	77	175.00	82456	274.00	157
47.00	22720	110.00	224	176.00	1126912	275.00	108
48.00	7671	111.00	630	177.00	71088	278.00	143
49.00	66072	112.00	529	178.00	1732	279.00	56
50.00	391232	113.00	575	182.00	13	283.00	560
51.00	115216	114.00	112	183.00	82	286.00	129
52.00	4376	115.00	1025	186.00	71	288.00	53
55.00	3241	117.00	5055	187.00	174	291.00	82
56.00	19648	118.00	1609	190.00	201	292.00	102
57.00	47072	119.00	4110	192.00	356	293.00	219
58.00	835	120.00	877	193.00	37	295.00	302
60.00	11578	122.00	115	194.00	196	296.00	303
61.00	68992	124.00	646	195.00	358	297.00	108
62.00	70888	126.00	489	196.00	350	298.00	56
63.00	54824	128.00	3945	197.00	76	302.00	67
64.00	4618	129.00	1667	198.00	58	304.00	87
67.00	2909	130.00	4300	201.00	397	308.00	284
68.00	161088	137.00	1156	202.00	237	309.00	62
69.00	137536	138.00	385	203.00	234	312.00	163
70.00	7954	139.00	114	204.00	199	313.00	89
71.00	44	140.00	535	205.00	45	314.00	239
72.00	2233	141.00	8133	206.00	20	316.00	94
73.00	53272	142.00	1636	212.00	81	317.00	109
74.00	213312	143.00	7959	216.00	182	318.00	233
75.00	720704	144.00	395	217.00	192	322.00	349
76.00	61248	145.00	415	218.00	101	323.00	99
77.00	9125	146.00	1342	221.00	523	324.00	280

Date : 08-AUG-2007 09:22

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1080801.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 113
Location of Maximum: 95.00
Number of points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	5643	147.00	765	222.00	90	326.00	220
79.00	19528	148.00	2691	227.00	278	328.00	208
80.00	6053	149.00	668	229.00	121	329.00	158
81.00	19432	150.00	1109	232.00	63	332.00	195
82.00	3401	151.00	306	233.00	388	333.00	228
83.00	729	152.00	783	236.00	185	335.00	387
84.00	213	153.00	422	237.00	8	336.00	184
86.00	1707	154.00	859	238.00	120	337.00	184
87.00	73640	155.00	3015	239.00	53	338.00	187
88.00	65256	157.00	2315	242.00	138	339.00	52
91.00	3817	158.00	384	243.00	50	345.00	188
92.00	37520	159.00	963	245.00	109	346.00	88
93.00	63640	161.00	776	248.00	384	347.00	109
94.00	175296	162.00	268	249.00	90	349.00	176
95.00	1808896	163.00	97	250.00	65		
96.00	115832	165.00	125	251.00	866		

Air Toxics Ltd.

Data file : /chem/msd1.i/1-10aug.b/1081001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 10-AUG-2007 08:18
Operator : cb Inst ID: msd1.i
Smp Info : 2uL #843-2915;BFB tune check;BF tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-10aug.b/bfb105.m
Meth Date : 10-Aug-2007 08:10 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.236	8.228	0.008	95	1909248			100.00- 100.00	100.00
8.236	8.228	0.008	50	449600			15.00- 40.00	23.55
8.236	8.228	0.008	75	813056			30.00- 60.00	42.59
8.236	8.228	0.008	96	134912			5.00- 9.00	7.07
8.236	8.228	0.008	173	8688			0.00- 2.00	0.69
8.236	8.228	0.008	174	1263616			50.00- 100.00	66.18
8.236	8.228	0.008	175	88304			5.00- 9.00	6.99
8.236	8.228	0.008	176	1204224			95.00- 101.00	95.30
8.236	8.228	0.008	177	77560			5.00- 9.00	6.44

Data File: /chem/msd1.i/1-10aug.b/1081001.d

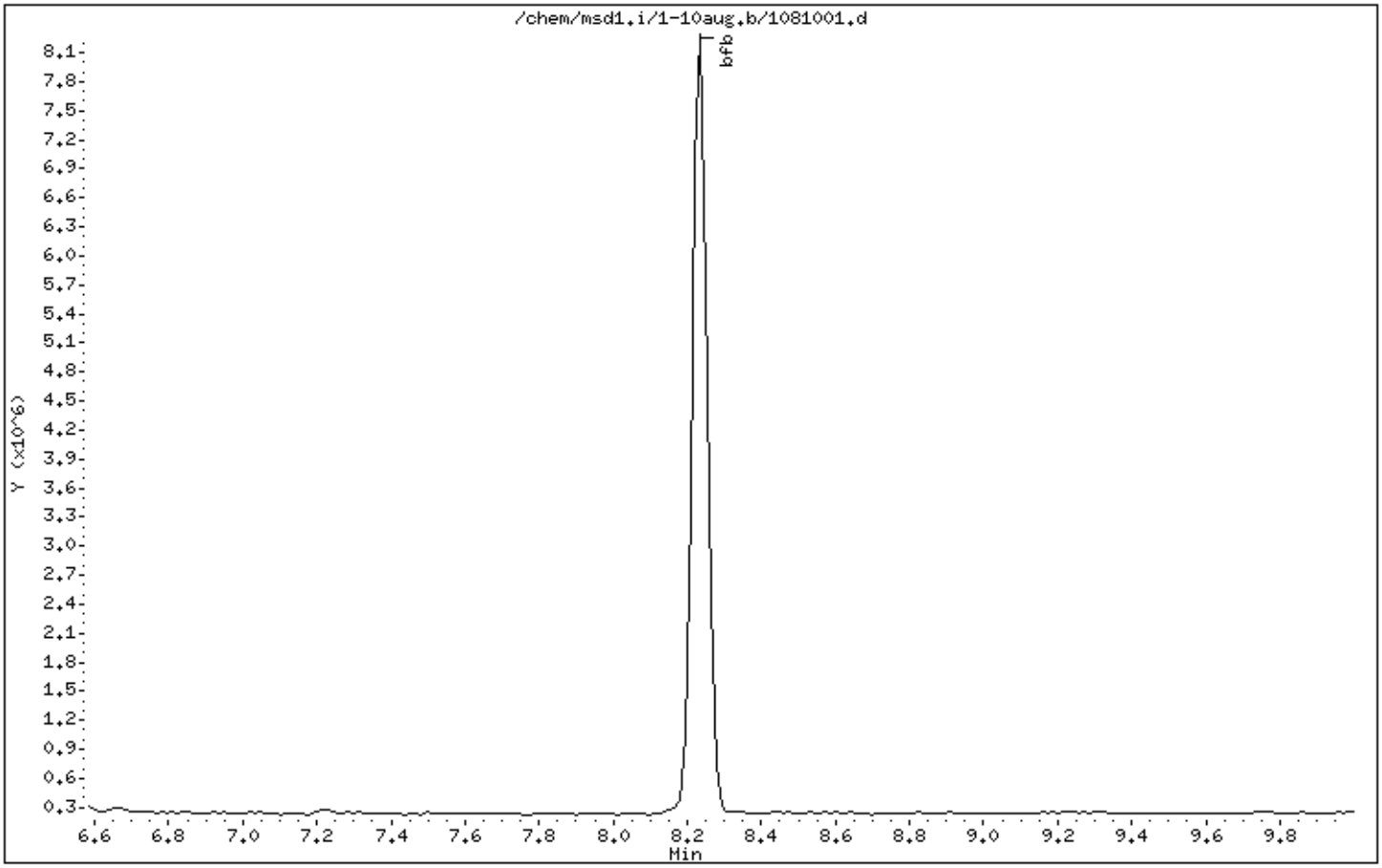
Date : 10-AUG-2007 08:18

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BF tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /chem/msd1.i/1-10aug.b/1081001.d

Date : 10-AUG-2007 08:18

Client ID: BFB

Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BF tune check

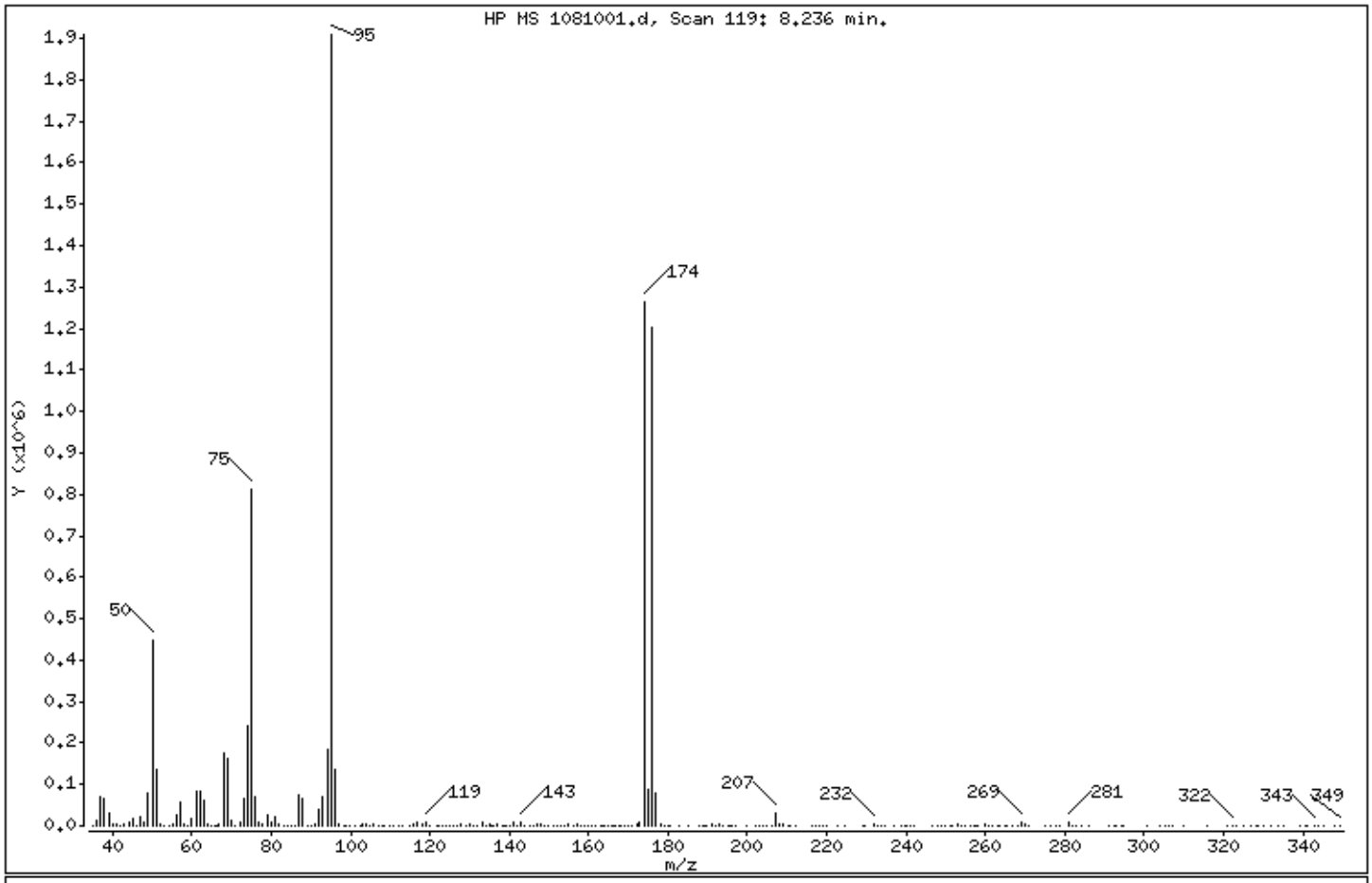
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.55
75	30.00 - 60.00% of mass 95	42.59
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.46 (0.69)
174	50.00 - 100.00% of mass 95	66.18
175	5.00 - 9.00% of mass 174	4.63 (6.99)
176	95.00 - 101.00% of mass 174	63.07 (95.30)
177	5.00 - 9.00% of mass 176	4.06 (6.44)

Date : 10-AUG-2007 08:18

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BF tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1081001.d
Spectrum: HP MS 1081001.d, Scan 119: 8.236 min.
Location of Maximum: 95.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.10	301	99.90	179	164.10	407	248.10	155
36.00	12163	101.20	445	164.80	794	249.00	1371
37.00	69248	102.30	391	165.60	183	250.00	320
38.00	66728	103.00	2246	166.20	293	251.00	536
39.00	29312	103.90	4039	166.80	327	251.70	199
40.00	2422	105.00	1468	167.50	371	253.00	4758
41.00	3261	105.90	5008	168.30	438	254.00	808
42.00	341	107.00	1343	169.20	573	255.00	516
43.00	2645	107.90	349	170.00	852	256.20	368
44.00	9356	108.50	936	170.80	1113	257.10	255
45.00	17328	109.80	234	172.10	2950	257.80	232
46.10	794	110.90	1329	172.90	8688	258.20	299
47.00	24064	111.90	710	173.90	1263616	260.00	3596
47.90	9058	112.90	882	174.90	88304	261.00	919
49.00	78840	115.00	1752	175.90	1204224	261.90	423
50.00	449600	115.90	5004	176.90	77560	263.10	185
51.00	135232	116.90	6818	178.00	2990	263.70	360
52.00	6220	117.90	4516	179.00	1062	264.90	582
53.10	624	118.90	8418	180.10	238	265.50	233
54.10	758	119.90	446	180.60	360	266.90	1007
55.10	4253	121.90	328	182.90	382	268.00	152
56.00	24184	122.30	273	185.30	166	269.00	8435
57.00	55160	123.00	342	187.90	243	270.00	2833
58.00	2379	123.90	753	188.70	447	270.90	936
59.10	1663	124.90	1234	189.00	379	275.20	204
60.00	17448	126.00	687	189.70	180	276.60	298
61.00	81400	126.80	1547	190.90	5368	277.70	196
62.00	83648	127.90	3314	192.00	1244	278.60	187
63.00	61920	128.90	1363	193.00	2267	281.00	8582
64.00	5367	129.90	4089	193.80	234	282.10	1728
64.90	383	131.00	2109	195.10	1824	283.00	1396
65.70	313	132.00	804	195.80	327	284.00	538
66.20	423	133.00	6840	196.30	154	286.00	166
66.90	3681	134.00	1214	197.00	489	291.10	301
68.00	176832	134.90	4315	200.00	166	292.30	158

Date : 10-AUG-2007 08:18

Client ID: BFB Instrument: msd1.i

Sample Info: 2uL #843-2915;BFB tune check;BF tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1081001.d
Spectrum: HP MS 1081001.d, Scan 119: 8.236 min.
Location of Maximum: 95.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	162176	135.60	630	202.20	304	293.10	940
70.00	11796	136.00	736	202.80	268	294.20	269
70.90	830	136.90	2618	203.70	714	294.60	184
72.00	7587	138.20	180	204.90	857	300.90	169
73.00	65864	138.80	606	206.00	238	303.80	204
74.00	242240	139.30	345	207.00	31512	305.10	205
75.00	813056	139.90	484	208.00	6257	306.20	317
76.00	72160	140.90	8981	209.00	4320	307.10	365
76.90	7250	141.90	1343	210.20	242	310.10	254
77.90	5067	142.90	9583	210.90	249	316.00	318
78.90	25248	143.90	493	212.00	197	320.80	287
79.90	8278	145.10	1050	216.10	162	322.10	590
80.90	23344	145.90	2125	217.10	235	323.30	361
81.90	5273	147.00	3020	218.00	347	325.00	302
83.10	786	147.90	3185	219.10	1593	327.00	384
84.20	516	148.90	1252	220.00	561	328.10	210
85.10	364	149.90	1313	222.80	369	328.90	321
85.90	1694	151.20	288	224.40	194	330.00	330
86.90	72968	152.00	449	229.10	305	332.00	220
87.90	67312	152.80	837	229.50	223	333.90	969
89.00	946	153.90	1466	232.00	2475	335.20	317
90.00	431	154.90	3288	232.90	1241	339.10	211
90.90	6284	156.00	898	233.90	222	340.80	241
92.00	40960	157.00	2466	234.50	464	341.20	322
93.00	69064	158.00	201	237.10	350	343.10	1820
94.00	183552	158.90	815	238.90	494	344.00	650
95.00	1909248	160.00	355	239.50	248	345.10	559
96.00	134912	160.80	1587	240.10	151	348.00	170
96.90	4409	161.80	357	241.20	177	349.30	250
98.20	380	162.90	1530	242.00	201		
99.00	488	163.60	296	246.80	179		

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 #: 0707553
# of pages (Including Cover): 1

8/16/2007

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

The following discrepancy has been observed:

The Chain of Custody (COC) was not completed properly. Please note for future reference that the COC must be signed and dated in order to properly relinquish or receive samples.

Your prompt response is appreciated.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

Receipt VBR 8/1/07

0181

Contact	Dave Terry
Company	GEI Consultants, Inc.
Address	455 Winding Brook Glastonbury CT 06033
Phone	860-368-5300 Fax 860-368-5307
Collected By: Signature:	

Project Info:

P.O. #

Project # 982482 - 1 - 1013

Project Name Clifton Former MGP Air Monitoring

Turn Around Time:

[X] Normal

[ ] Rush _____

Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	UW-AMS3	7/31/07 7:15-1530	TO-15 + Naphthalene + TICs	7-30	-10	9.0 "Hg
02A	DW-AMS6	7/31/07 7:45-1545	TO-15 + Naphthalene + TICs	7-30	-11	9.5 "Hg

Relinquished By: (Signature) Date/Time

Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time

Received By: (Signature) Date/Time T.W. Fields ATL 7/31/07 0905

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	8589 3397 8896	NA			Yes No (None)	0707553

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0707553

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: 08/14/07
Date Completed: 8/13/07
Date Received: 7/31/07
PO#: NR
Project#: 061140-8-1703 Bay Shore OU1 South Perimeter Air
Total $: $ 699.29
Logged By: ANC

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UW AMS3	Modified TO-15	7/27/2007	9.0 "Hg	$225.00
01AA	UW AMS3 Lab Duplicate	Modified TO-15	7/27/2007	9.0 "Hg	$0.00
02A	DW-AMS6	Modified TO-15	7/27/2007	9.5 "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
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00
	Shipping Charges (Shipped 7/09/07 Overnight. [53223])	$75.29

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

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

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Sample Discrepancy Report

Identification

Initiated By: ANC **Date:** 8/01/07 **Discrepancy Type:** (circle all that apply) (I.) II. III.

Workorder(s) affected: 0707553 **Sample(s) affected:** 01A-02A (All)

I. Sample Receipt Discrepancies

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

Narration not required:

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

Narration Required:

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

Describe the Discrepancy: No dates, No rec'g info.

II. Sample Receipt/Screening Discrepancies requiring CSR notification

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

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

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

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

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0707553

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)
NA	NA	☐	NA	☐	Corrective Action issued - # _____
☑	☑	☐	☑	☐	Unusual circumstances have been documented in the notes section below

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

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

☑	☑	☐	☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☑	☐		Correct amount of sample analyzed (i.e. sample not over-diluted)
	☑	☐		Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐		TICs resemble reference spectra
	☐	☐		TICs between duplicate samples are consistent
NA	☐	☐	☑	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
	NA		☑	Extra printed copies are provided per client profile
	☐		☑	Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☑	☐	☑	☐ Client LUMEN report reviewed for accuracy and completeness

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

A/R: All QC met

OIA dup

M/Q: _____

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
CB 8/13/07	R: TJS 8-13-07	Dept 8/13/07	
	T: _____		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 10/19/05

Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable