
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 #: 0708361

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Comments:

Completed by:

Vera Belitsky	Vera Belitsky / Document Control	9/5/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708361

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1.
DATE RECEIVED:	08/17/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/29/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	AMS3	Modified TO-15	11.0 "Hg
02A	AMS5	Modified TO-15	2.5 "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: 08/29/07

Laboratory Director

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

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0708361

Two 6 Liter Summa Canister samples were received on August 17, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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
AMS3	0708361-01A	8/15/2007	8/17/2007	NA	12	8/27/2007	NA	Good
AMS5	0708361-02A	8/15/2007	8/17/2007	NA	12	8/27/2007	NA	Good
Lab Blank	0708361-03A	NA	NA	NA	NA	8/27/2007	NA	Good
CCV	0708361-04A	NA	NA	NA	NA	8/27/2007	NA	Good
LCS	0708361-05A	NA	NA	NA	NA	8/27/2007	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: AMS3

Lab ID#: 0708361-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.2	5.7	10	13
2-Butanone (Methyl Ethyl Ketone)	1.1	1.0 J	3.1	3.1

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS3

Lab ID#: 0708361-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082707**	**Date of Collection:**	**8/15/07**
Dil. Factor:	**2.12**	**Date of Analysis:**	**8/27/07 01:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.2	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
Bromomethane	1.1	Not Detected	4.1	Not Detected
Chloroethane	1.1	Not Detected	2.8	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Freon 113	1.1	Not Detected	8.1	Not Detected
Methylene Chloride	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
Toluene	1.1	Not Detected	4.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.1	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	1.1	Not Detected	4.6	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,3-Butadiene	1.1	Not Detected	2.3	Not Detected
Hexane	1.1	Not Detected	3.7	Not Detected
Cyclohexane	1.1	Not Detected	3.6	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS3

Lab ID#: 0708361-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082707**	**Date of Collection: 8/15/07**	
Dil. Factor:	**2.12**	**Date of Analysis: 8/27/07 01:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.1	Not Detected	4.3	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
Dibromochloromethane	1.1	Not Detected	9.0	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
Chloromethane	4.2	Not Detected	8.8	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
Acetone	4.2	5.7	10	13
Carbon Disulfide	1.1	Not Detected	3.3	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	1.0 J	3.1	3.1
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.3	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
Ethanol	4.2	Not Detected	8.0	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Naphthalene	4.2	Not Detected	22	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	97	70-130

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AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-27aug.b/8082707.d
Lab Smp Id: 0708361-01A
Inj Date : 27-AUG-2007 13:29
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #33378
Misc Info : 11.0"Hg -> 5psi
Comment :
Method : /chem/msd8.i/8-27aug.b/t14q823a.m
Meth Date : 27-Aug-2007 09:44 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1
Dil Factor: 2.12000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	393904	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	309054			48.38- 108.38	78.46
7.270	7.270 (1.000)	49	684300			138.94- 198.94	173.72
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.150	9.150 (1.000)	114	1803334	25.0000		80.00- 120.00	100.00
9.122	9.150 (1.000)	88	266600			0.00- 45.01	14.78
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1581670	25.0000		80.00- 120.00	100.00
14.486	14.486 (1.000)	82	809893			0.00- 30.00	51.20
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.348	8.348 (1.148)	65	483139	27.5087	27.509	80.00- 120.00	100.00
8.348	8.348 (1.148)	67	269335			0.00- 30.00	55.75
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.308)	98	1740120	26.6282	26.628	80.00- 120.00	100.00
11.970	11.970 (1.308)	70	157807			0.00- 30.00	9.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1152075			0.00- 30.00	66.21
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	678378	24.3147	24.315	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	983524			123.37- 183.37	144.98
16.118	16.118 (1.113)	176	648882			65.60- 125.60	95.65
30 Acetone					CAS #: 67-64-1		
4.035	4.035 (0.555)	58	29278	2.67515	5.671	80.00- 120.00	100.00
4.035	4.035 (0.555)	43	88429			0.00- 30.00	302.03
65 2-Butanone					CAS #: 78-93-3		
6.910	6.910 (0.951)	72	5557	0.49602	1.052	80.00- 120.00	100.00(a)
6.910	6.910 (0.951)	43	26247			460.39- 520.39	472.32
6.883	6.910 (0.947)	57	5872			0.00- 30.00	105.67

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082707.d
Lab Smp Id: 0708361-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 11.0"Hg -> 5psi

Calibration Date: 27-AUG-2007
Calibration Time: 09:03
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	474833	284900	664766	393904	-17.04
88 1,4-Difluorobenze	2226801	1336081	3117521	1803334	-19.02
125 Chlorobenzene-d5	1791943	1075166	2508720	1581670	-11.73

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.15	8.82	9.48	9.15	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	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: 8-27aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708361-01A
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 11.0"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	27.509	110.03	70-130
$ 104 Toluene-d8	25.000	26.628	106.51	70-130
$ 140 Bromofluorobenzene	25.000	24.315	97.26	70-130

Data File: /chem/msd8.i/8-27aug.b/8082707.d

Date : 27-AUG-2007 13:29

Client ID:

Sample Info: 200ml #33378

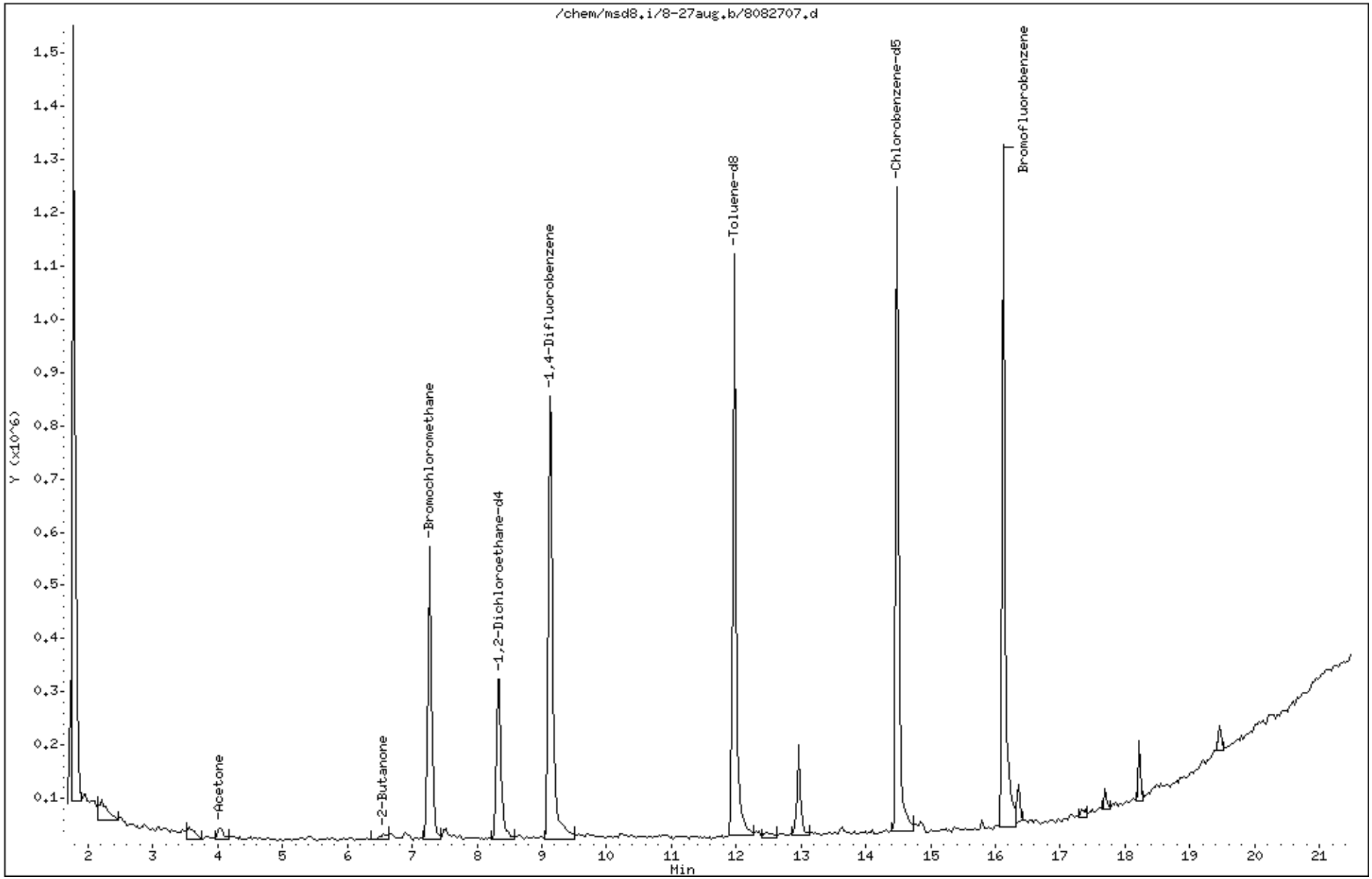
Column phase: RTx-624

Instrument: msd8.i

Operator: lmr

Column diameter: 0.53

0013



Data File: /chem/msd8.i/8-27aug.b/8082707.d

Date : 27-AUG-2007 13:29

Client ID:

Instrument: msd8.i

Sample Info: 200ml #33378

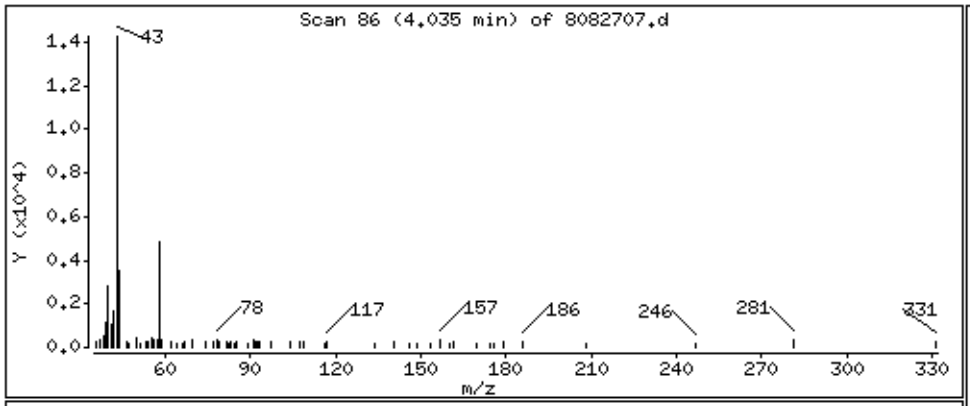
Operator: lmr

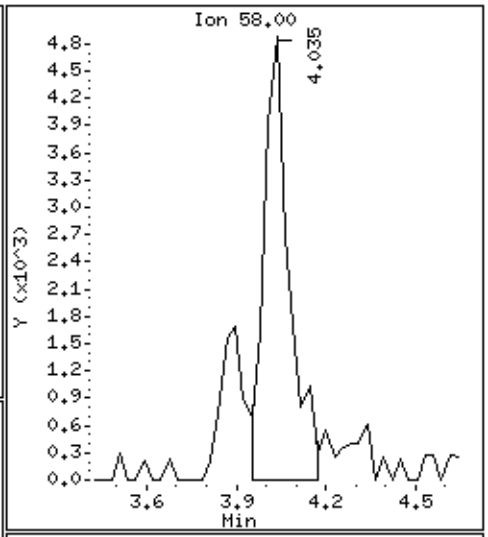
Column phase: RTx-624

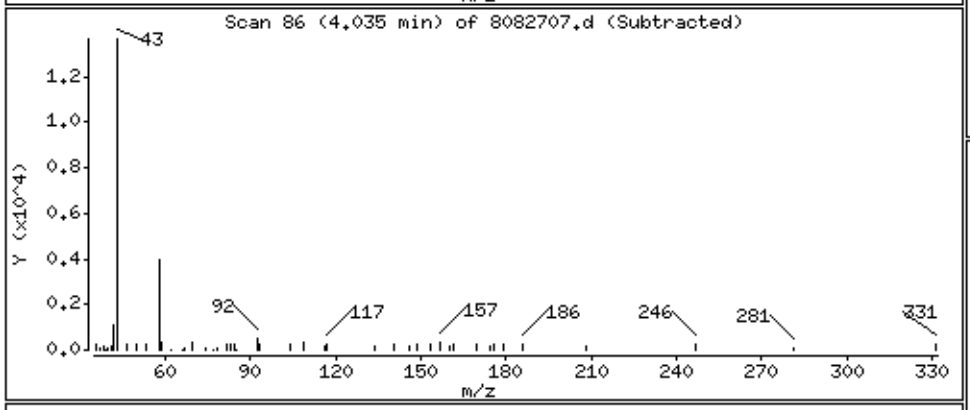
Column diameter: 0.53

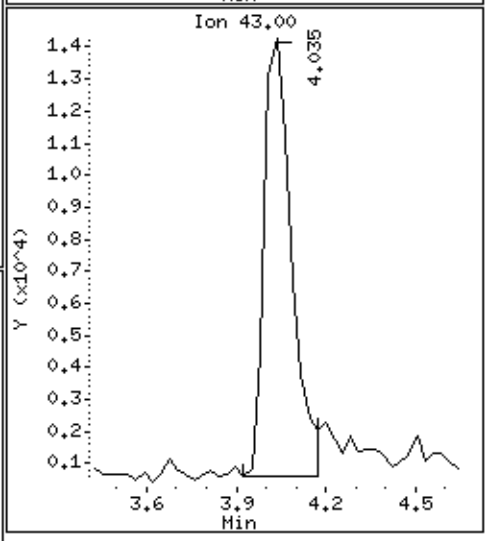
30 Acetone

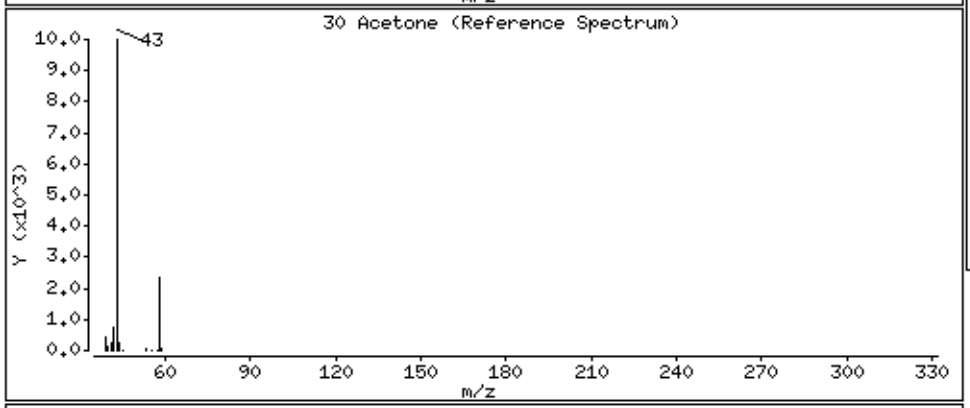
Concentration: 5.671 PPBV

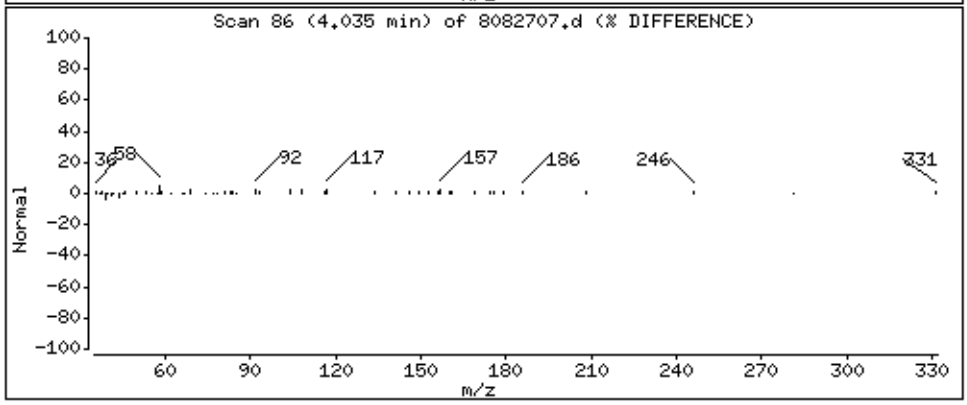












Data File: /chem/msd8.i/8-27aug.b/8082707.d

Date : 27-AUG-2007 13:29

Client ID:

Instrument: msd8.i

Sample Info: 200ml #33378

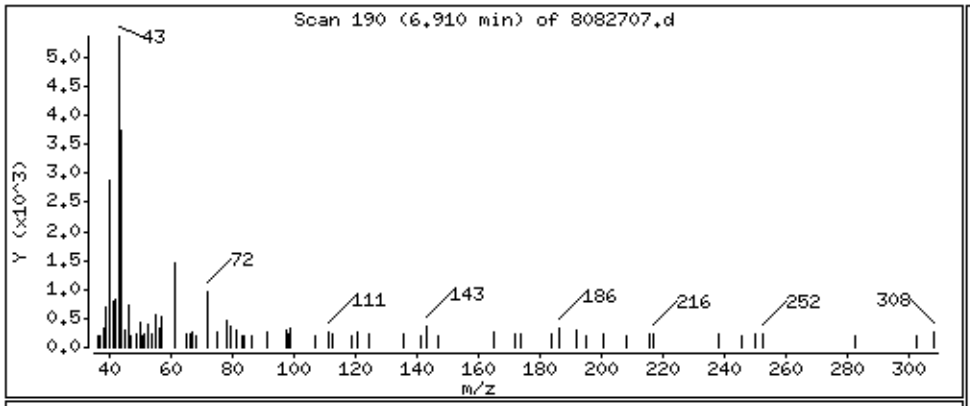
Operator: lmr

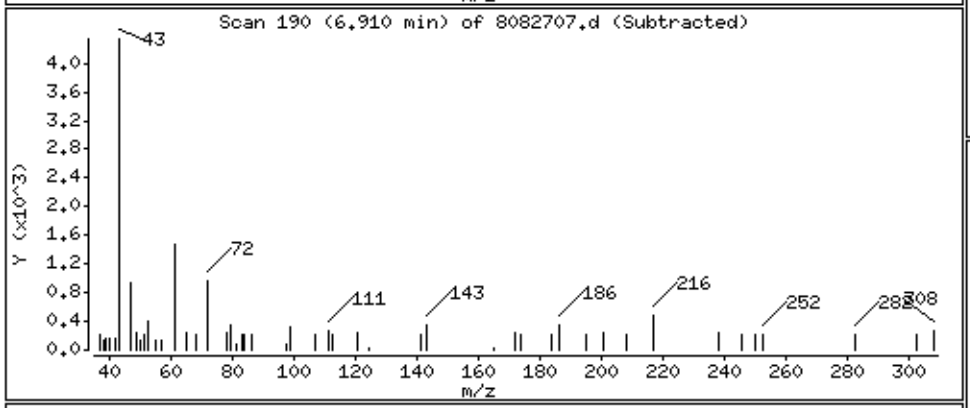
Column phase: RTx-624

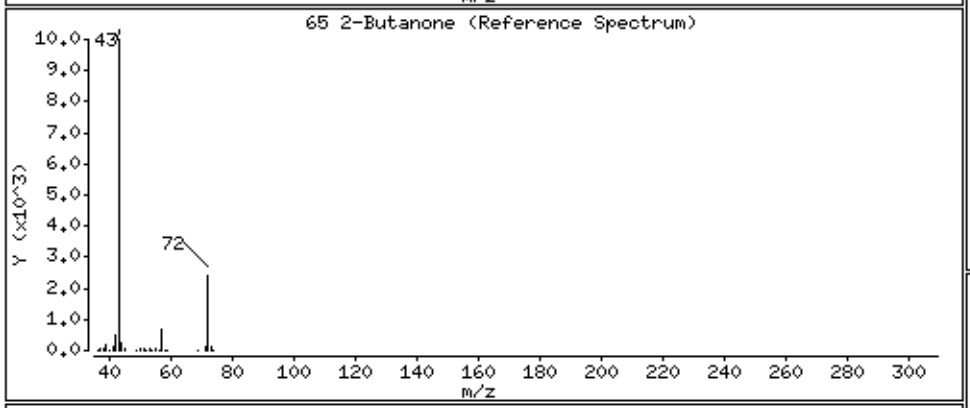
Column diameter: 0.53

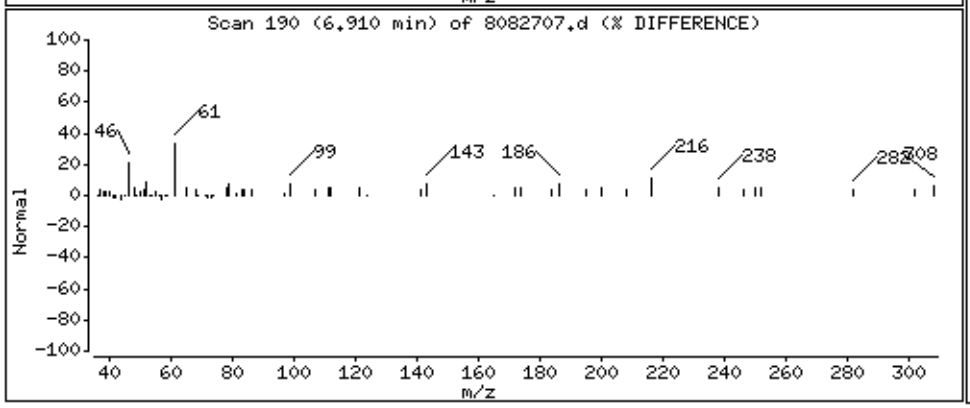
65 2-Butanone

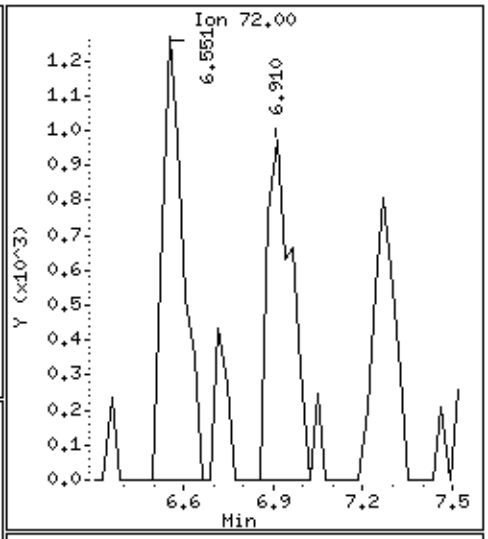
Concentration: 1.052 PPBV

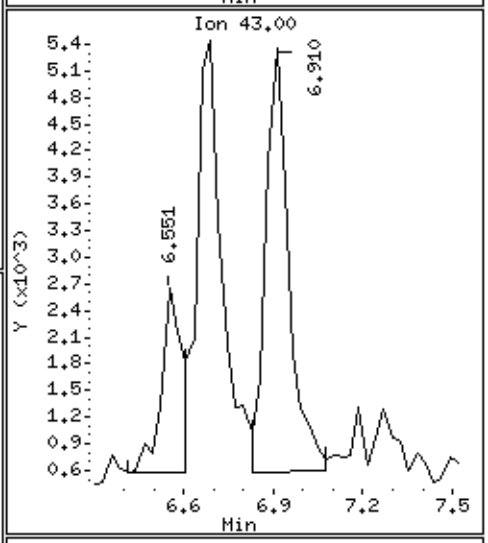


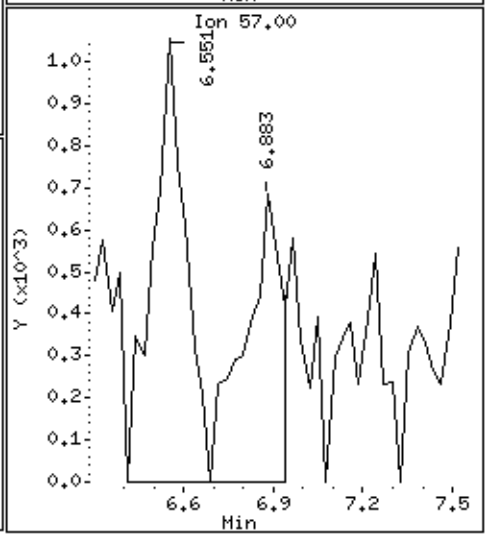












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS5

Lab ID#: 0708361-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methylene Chloride	0.73	1.3	2.5	4.4
Toluene	0.73	2.2	2.8	8.2
Acetone	2.9	6.0	6.9	14
2-Butanone (Methyl Ethyl Ketone)	0.73	0.90	2.2	2.7
Ethanol	2.9	3.5	5.5	6.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS5

Lab ID#: 0708361-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082708**	**Date of Collection:**	**8/15/07**
Dil. Factor:	**1.46**	**Date of Analysis:**	**8/27/07 02:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.73	Not Detected	3.6	Not Detected
Freon 114	0.73	Not Detected	5.1	Not Detected
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Bromomethane	0.73	Not Detected	2.8	Not Detected
Chloroethane	0.73	Not Detected	1.9	Not Detected
Freon 11	0.73	Not Detected	4.1	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Freon 113	0.73	Not Detected	5.6	Not Detected
Methylene Chloride	0.73	1.3	2.5	4.4
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Chloroform	0.73	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.73	Not Detected	4.0	Not Detected
Carbon Tetrachloride	0.73	Not Detected	4.6	Not Detected
Benzene	0.73	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.73	Not Detected	3.0	Not Detected
Trichloroethene	0.73	Not Detected	3.9	Not Detected
1,2-Dichloropropane	0.73	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.73	Not Detected	3.3	Not Detected
Toluene	0.73	2.2	2.8	8.2
trans-1,3-Dichloropropene	0.73	Not Detected	3.3	Not Detected
1,1,2-Trichloroethane	0.73	Not Detected	4.0	Not Detected
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	0.73	Not Detected	5.6	Not Detected
Chlorobenzene	0.73	Not Detected	3.4	Not Detected
Ethyl Benzene	0.73	Not Detected	3.2	Not Detected
m,p-Xylene	0.73	Not Detected	3.2	Not Detected
o-Xylene	0.73	Not Detected	3.2	Not Detected
Styrene	0.73	Not Detected	3.1	Not Detected
1,1,2,2-Tetrachloroethane	0.73	Not Detected	5.0	Not Detected
1,3,5-Trimethylbenzene	0.73	Not Detected	3.6	Not Detected
1,2,4-Trimethylbenzene	0.73	Not Detected	3.6	Not Detected
1,3-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
1,4-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
alpha-Chlorotoluene	0.73	Not Detected	3.8	Not Detected
1,2-Dichlorobenzene	0.73	Not Detected	4.4	Not Detected
1,3-Butadiene	0.73	Not Detected	1.6	Not Detected
Hexane	0.73	Not Detected	2.6	Not Detected
Cyclohexane	0.73	Not Detected	2.5	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS5

Lab ID#: 0708361-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082708**	**Date of Collection: 8/15/07**	
Dil. Factor:	**1.46**	**Date of Analysis: 8/27/07 02:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.73	Not Detected	3.0	Not Detected
Bromodichloromethane	0.73	Not Detected	4.9	Not Detected
Dibromochloromethane	0.73	Not Detected	6.2	Not Detected
Cumene	0.73	Not Detected	3.6	Not Detected
Propylbenzene	0.73	Not Detected	3.6	Not Detected
Chloromethane	2.9	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	2.9	Not Detected	22	Not Detected
Hexachlorobutadiene	2.9	Not Detected	31	Not Detected
Acetone	2.9	6.0	6.9	14
Carbon Disulfide	0.73	Not Detected	2.3	Not Detected
2-Propanol	2.9	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.73	0.90	2.2	2.7
Tetrahydrofuran	0.73	Not Detected	2.2	Not Detected
1,4-Dioxane	2.9	Not Detected	10	Not Detected
4-Methyl-2-pentanone	0.73	Not Detected	3.0	Not Detected
2-Hexanone	2.9	Not Detected	12	Not Detected
Bromoform	0.73	Not Detected	7.5	Not Detected
4-Ethyltoluene	0.73	Not Detected	3.6	Not Detected
Ethanol	2.9	3.5	5.5	6.7
Methyl tert-butyl ether	0.73	Not Detected	2.6	Not Detected
3-Chloropropene	2.9	Not Detected	9.1	Not Detected
2,2,4-Trimethylpentane	0.73	Not Detected	3.4	Not Detected
Naphthalene	2.9	Not Detected	15	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-27aug.b/8082708.d
Lab Smp Id: 0708361-02A
Inj Date : 27-AUG-2007 14:11
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #35161
Misc Info : 2.5"Hg -> 5psi
Comment :
Method : /chem/msd8.i/8-27aug.b/t14q823a.m
Meth Date : 27-Aug-2007 09:44 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1
Dil Factor: 1.46000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	392364	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	304698			48.38- 108.38	77.66
7.270	7.270 (1.000)	49	666875			138.94- 198.94	169.96
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.150	9.150 (1.000)	114	1819272	25.0000		80.00- 120.00	100.00
9.122	9.150 (1.000)	88	282162			0.00- 45.01	15.51
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1566465	25.0000		80.00- 120.00	100.00
14.486	14.486 (1.000)	82	802825			0.00- 30.00	51.25
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.348	8.348 (1.148)	65	471914	26.9750	26.975	80.00- 120.00	100.00
8.348	8.348 (1.148)	67	258232			0.00- 30.00	54.72
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.308)	98	1702680	25.8270	25.827	80.00- 120.00	100.00
11.970	11.970 (1.308)	70	152307			0.00- 30.00	8.95

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1150665			0.00- 30.00	67.58
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.117	16.118 (1.113)	174	665194	24.0736	24.074	80.00- 120.00	100.00
16.117	16.118 (1.113)	95	985890			123.37- 183.37	148.21
16.117	16.118 (1.113)	176	649764			65.60- 125.60	97.68
23 Ethanol					CAS #: 64-17-5		
3.426	3.454 (0.471)	45	17864	2.42254	3.537	80.00- 120.00	100.00
3.426	3.454 (0.471)	43	4266			0.00- 30.00	23.88
3.454	3.454 (0.475)	46	4845			0.00- 30.00	27.12
30 Acetone					CAS #: 67-64-1		
4.007	4.035 (0.551)	58	44806	4.11003	6.001	80.00- 120.00	100.00
4.035	4.035 (0.555)	43	136664			0.00- 30.00	305.01
40 Methylene Chloride					CAS #: 75-09-2		
4.754	4.726 (0.654)	49	22114	0.87144	1.272	80.00- 120.00	100.00
4.726	4.726 (0.650)	84	14725			33.49- 93.49	66.59
4.698	4.726 (0.646)	51	7760			0.00- 30.00	35.09
65 2-Butanone					CAS #: 78-93-3		
6.883	6.910 (0.947)	72	6898	0.61813	0.9025	80.00- 120.00	100.00
6.800	6.910 (0.935)	43	1925			460.39- 520.39	27.91
6.910	6.910 (0.951)	57	3613			0.00- 30.00	52.38
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.323)	91	123766	1.48142	2.163	80.00- 120.00	100.00
12.108	12.108 (1.323)	92	73575			29.56- 89.56	59.45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082708.d
Lab Smp Id: 0708361-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 2.5"Hg -> 5psi

Calibration Date: 27-AUG-2007
Calibration Time: 09:03
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	474833	284900	664766	392364	-17.37
88 1,4-Difluorobenze	2226801	1336081	3117521	1819272	-18.30
125 Chlorobenzene-d5	1791943	1075166	2508720	1566465	-12.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.15	8.82	9.48	9.15	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	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: 8-27aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708361-02A
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 2.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	26.975	107.90	70-130
$ 104 Toluene-d8	25.000	25.827	103.31	70-130
$ 140 Bromofluorobenzene	25.000	24.074	96.29	70-130

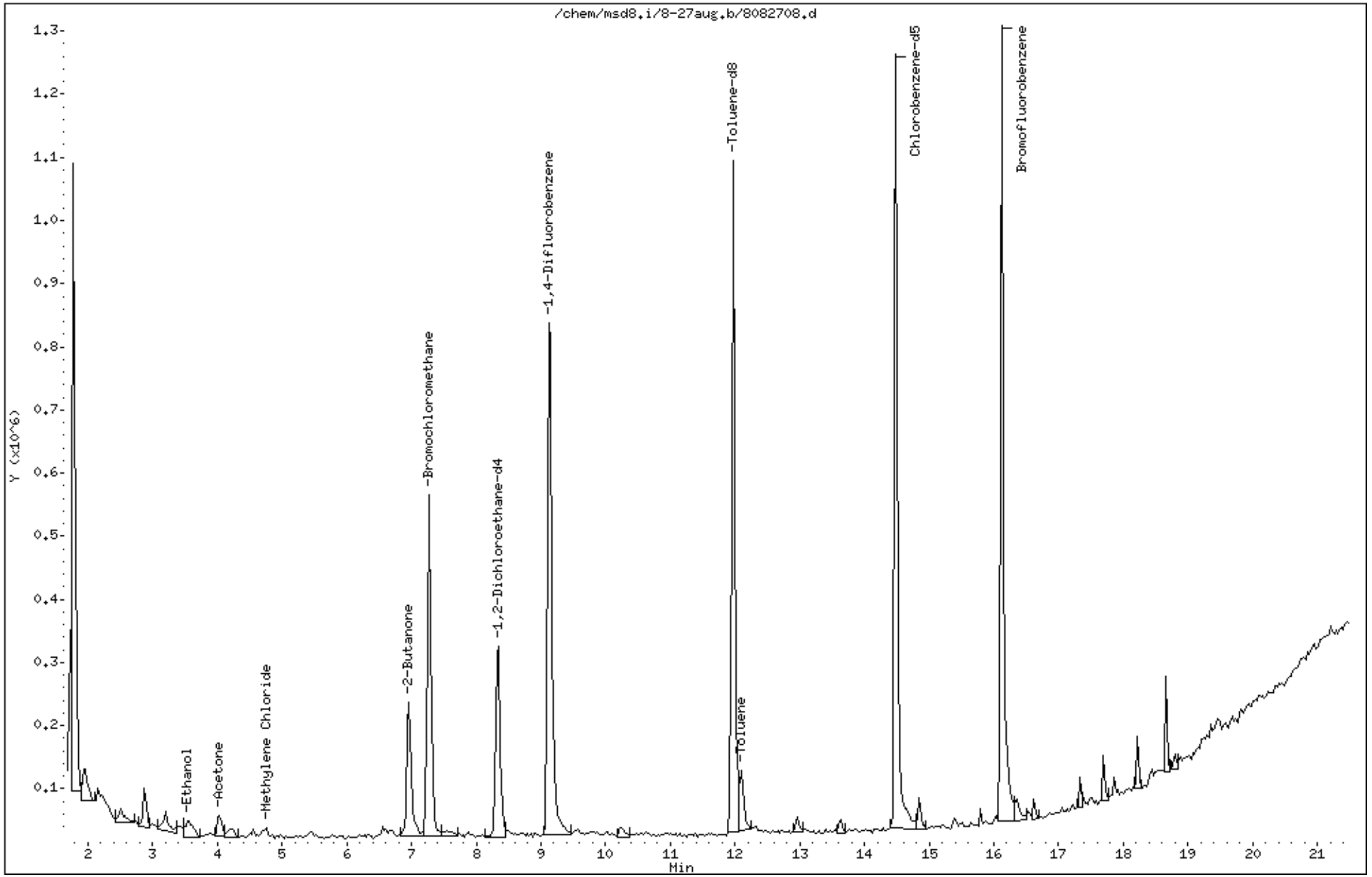
0023

Data File: /chem/msd8.i/8-27aug.b/8082708.d
Date : 27-AUG-2007 14:11
Client ID:
Sample Info: 200ml #35161

Instrument: msd8.i

Operator: lmr
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd8.i/8-27aug.b/8082708.d

Date : 27-AUG-2007 14:11

Client ID:

Instrument: msd8.i

Sample Info: 200ml #35161

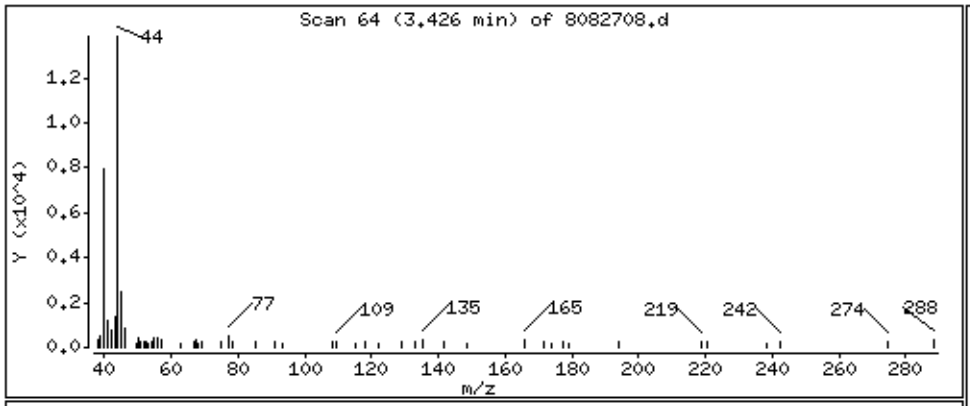
Operator: lmr

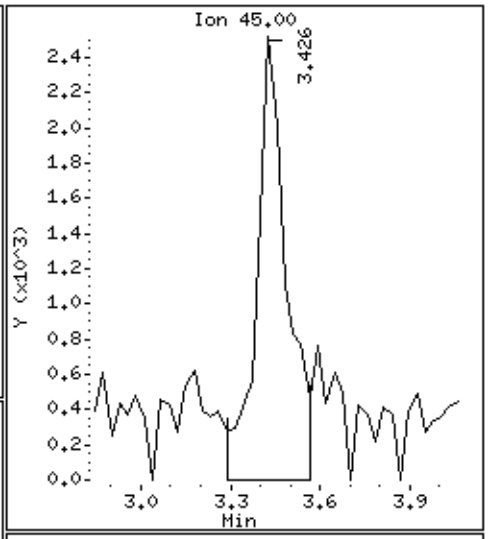
Column phase: RTx-624

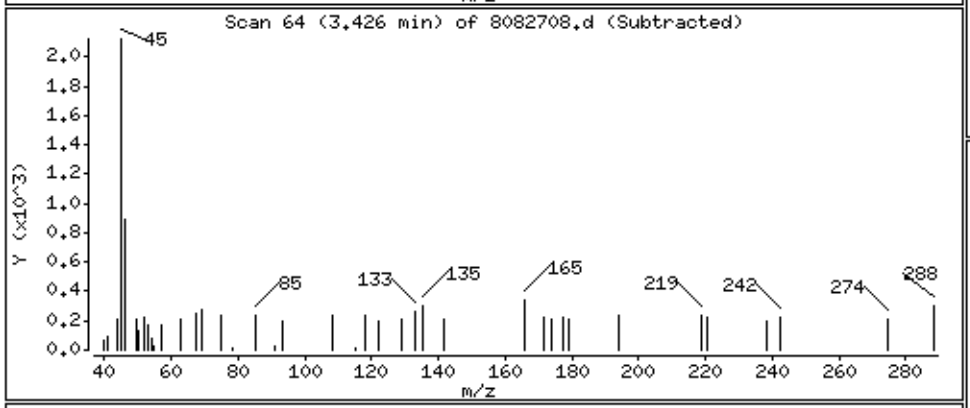
Column diameter: 0.53

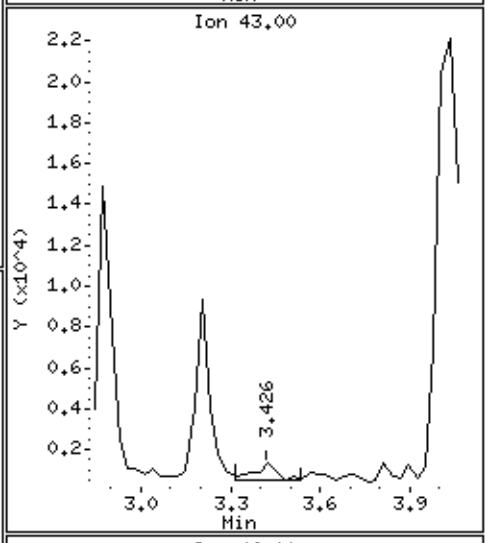
23 Ethanol

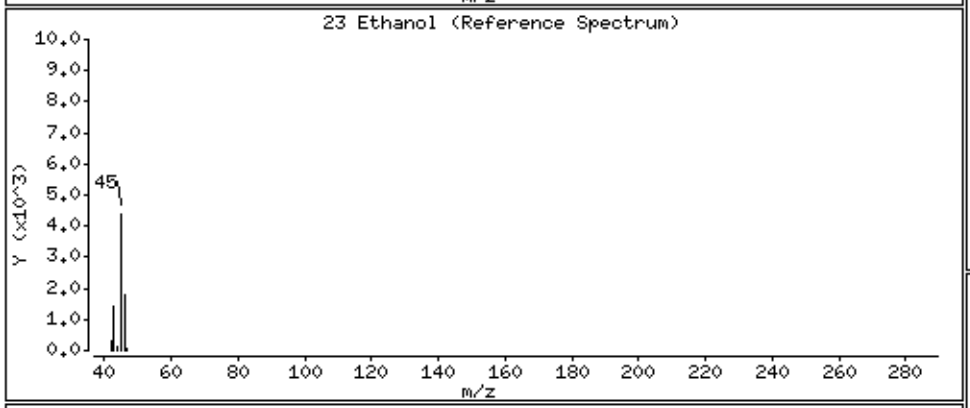
Concentration: 3.537 PPBV

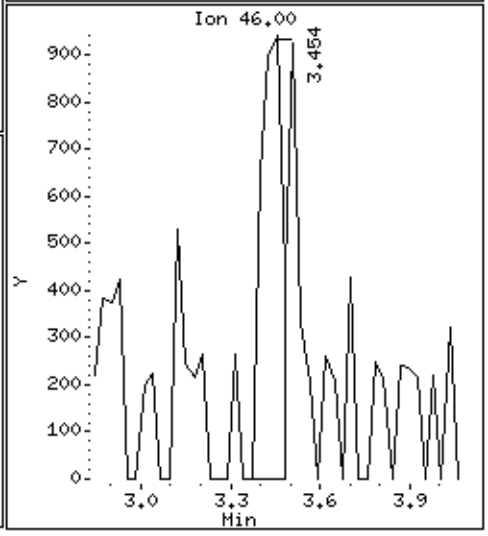


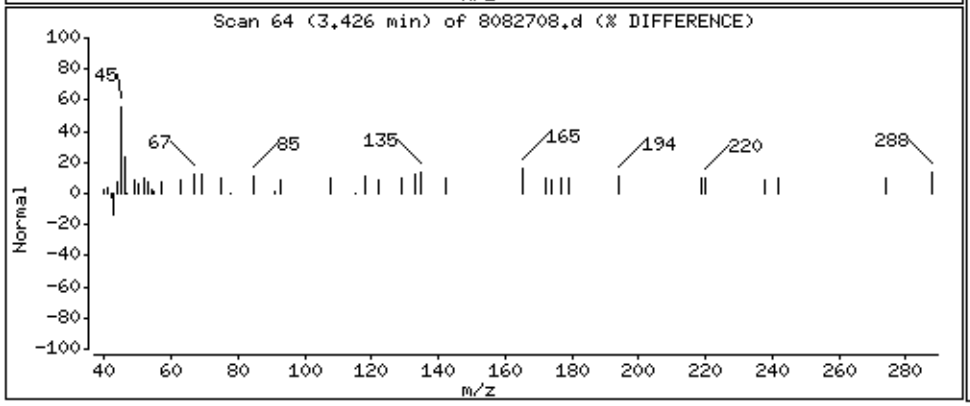












Data File: /chem/msd8.i/8-27aug.b/8082708.d

Date : 27-AUG-2007 14:11

Client ID:

Instrument: msd8.i

Sample Info: 200ml #35161

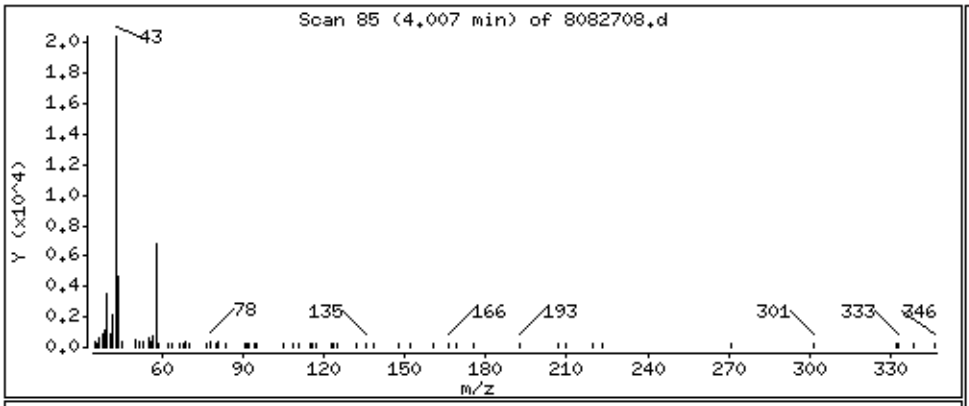
Operator: lmr

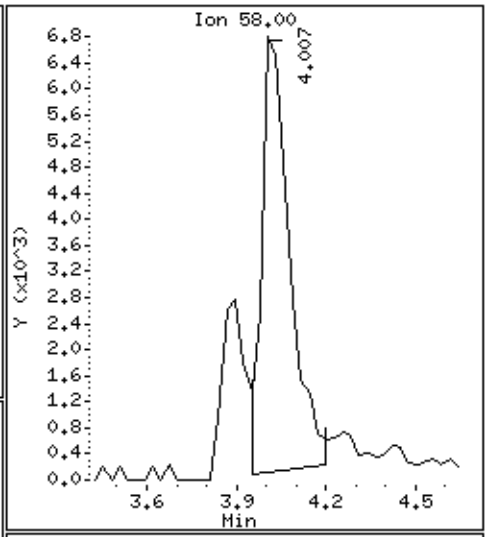
Column phase: RTx-624

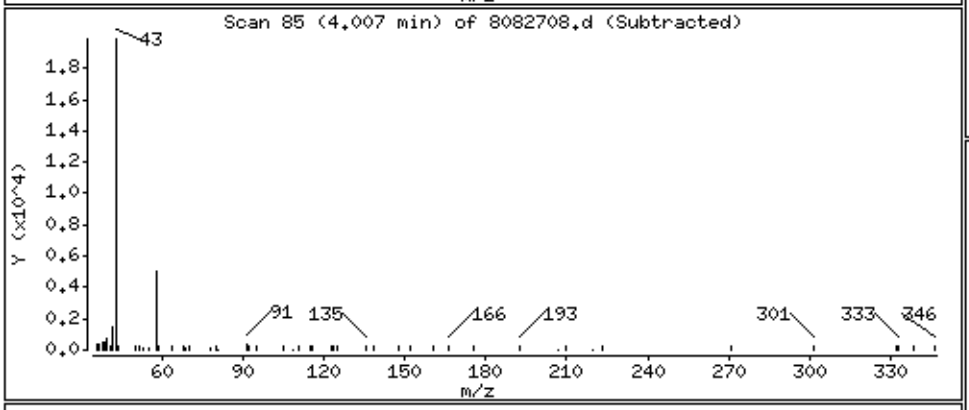
Column diameter: 0.53

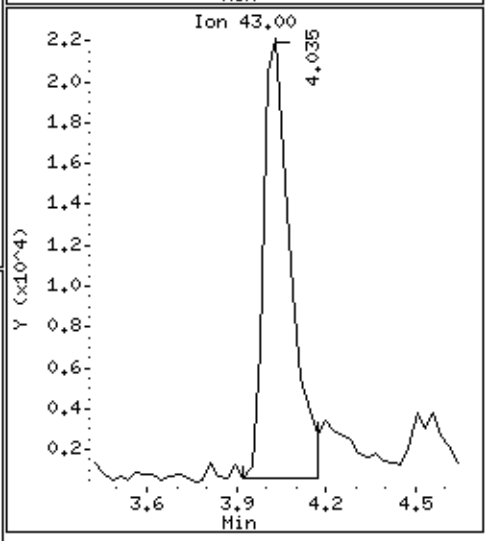
30 Acetone

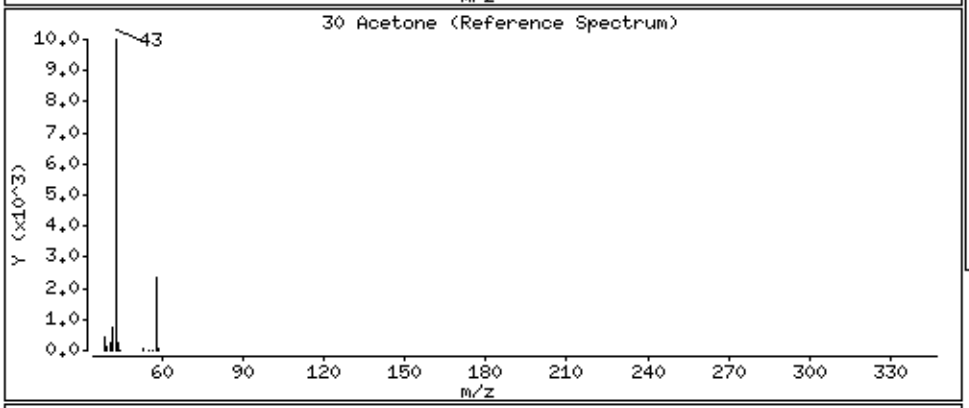
Concentration: 6.001 PPBV

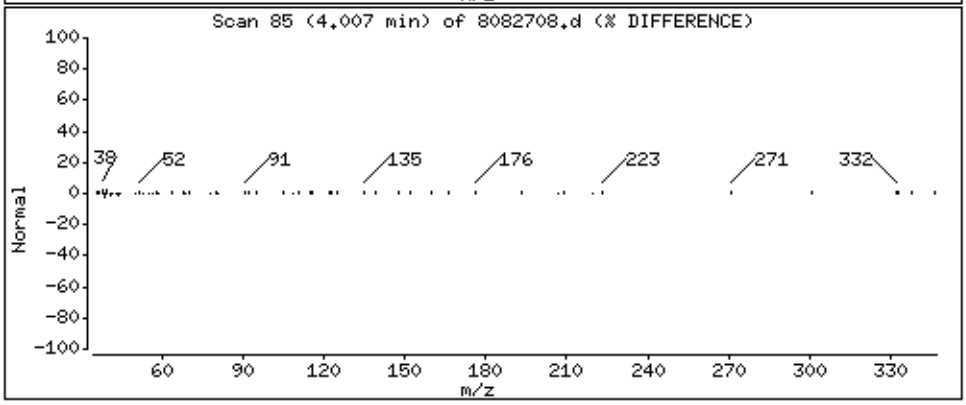












Data File: /chem/msd8.i/8-27aug.b/8082708.d

Date : 27-AUG-2007 14:11

Client ID:

Instrument: msd8.i

Sample Info: 200ml #35161

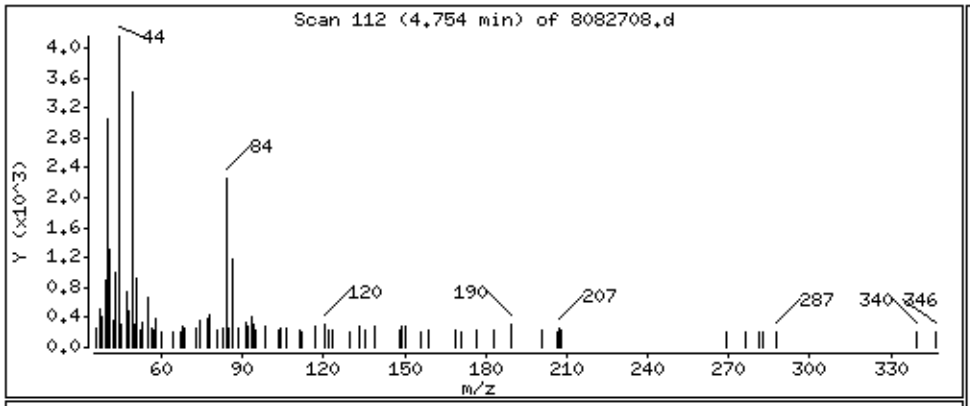
Operator: lmr

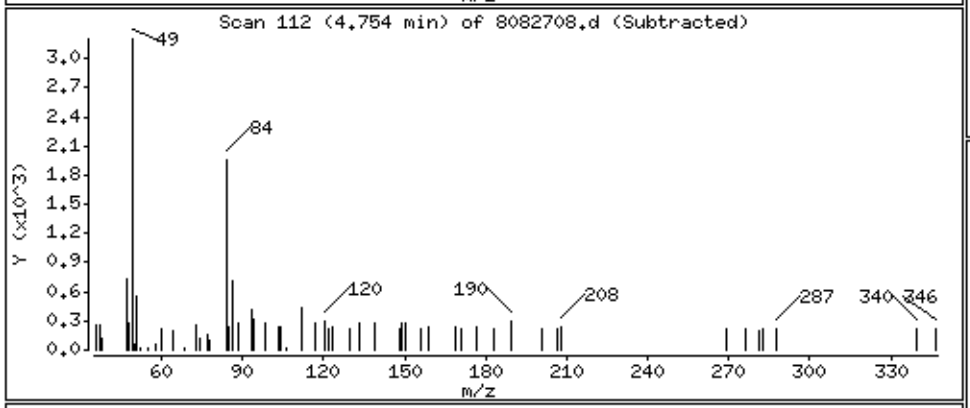
Column phase: RTx-624

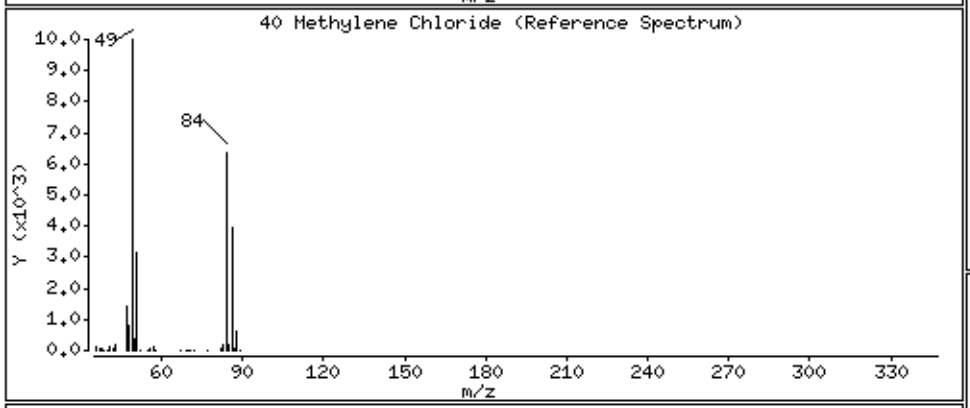
Column diameter: 0.53

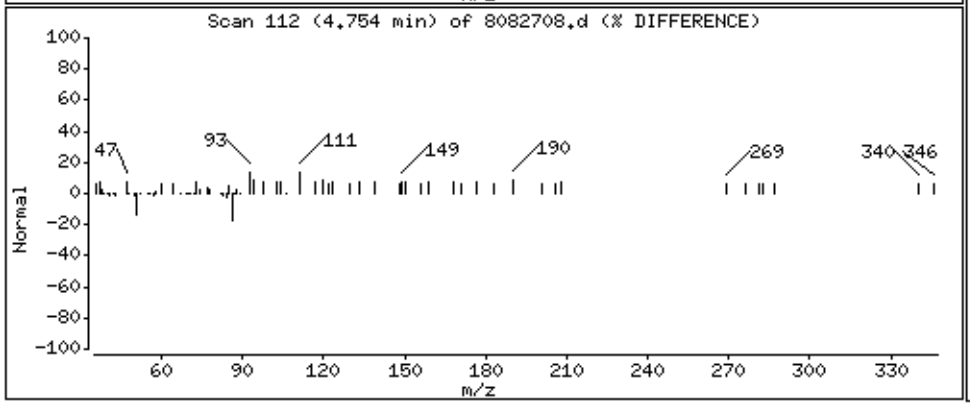
40 Methylene Chloride

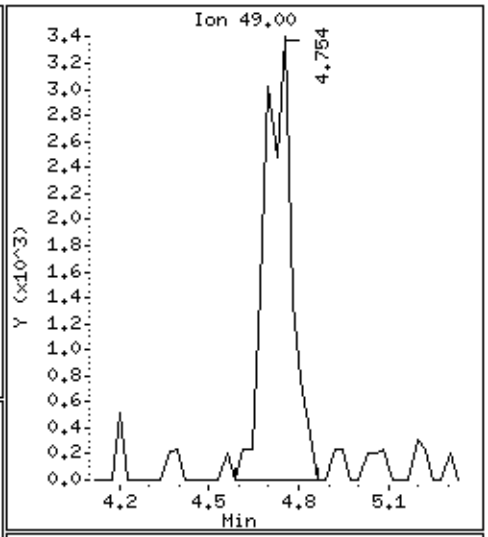
Concentration: 1.272 PPBV

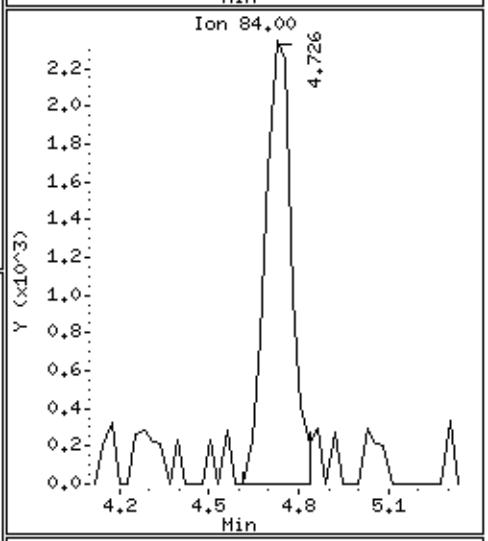


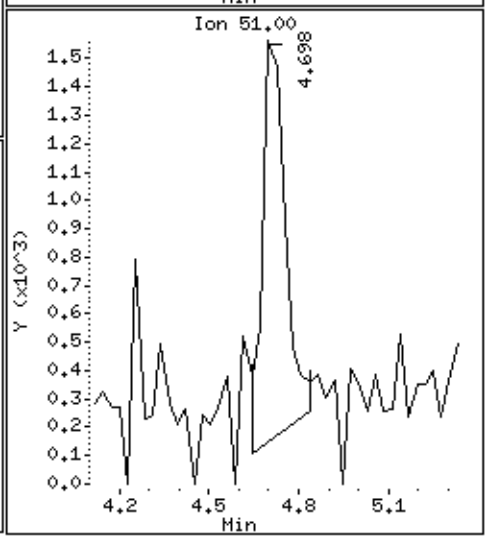












Data File: /chem/msd8.i/8-27aug.b/8082708.d

Date : 27-AUG-2007 14:11

Client ID:

Instrument: msd8.i

Sample Info: 200ml #35161

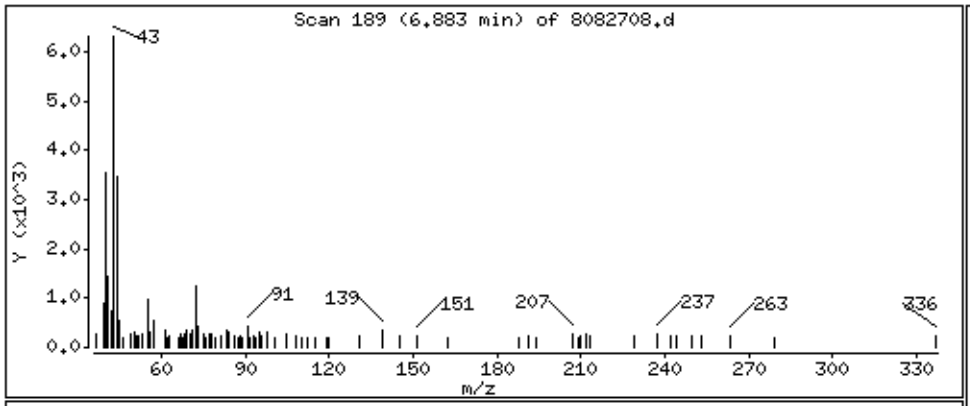
Operator: lmr

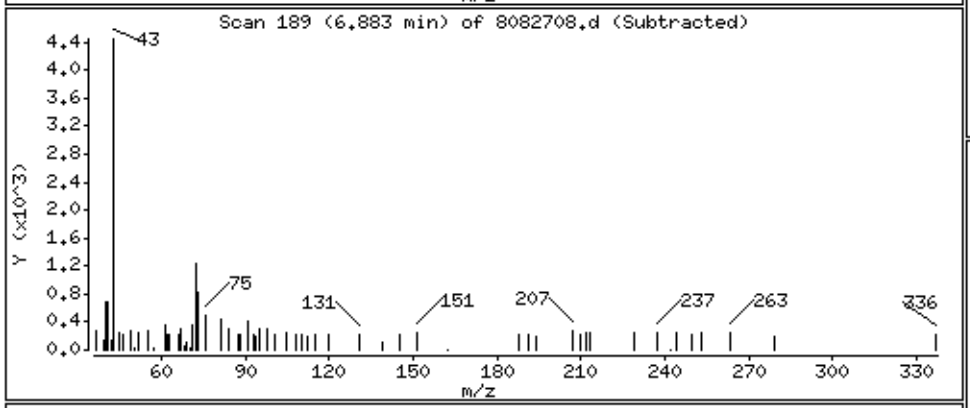
Column phase: RTx-624

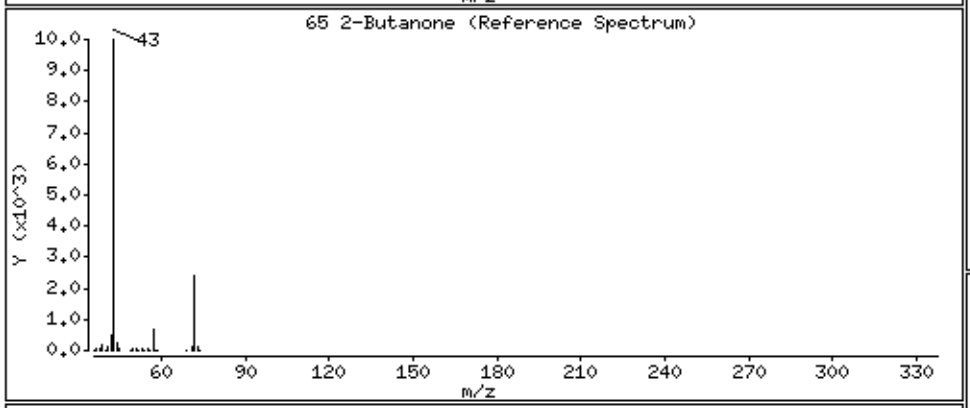
Column diameter: 0.53

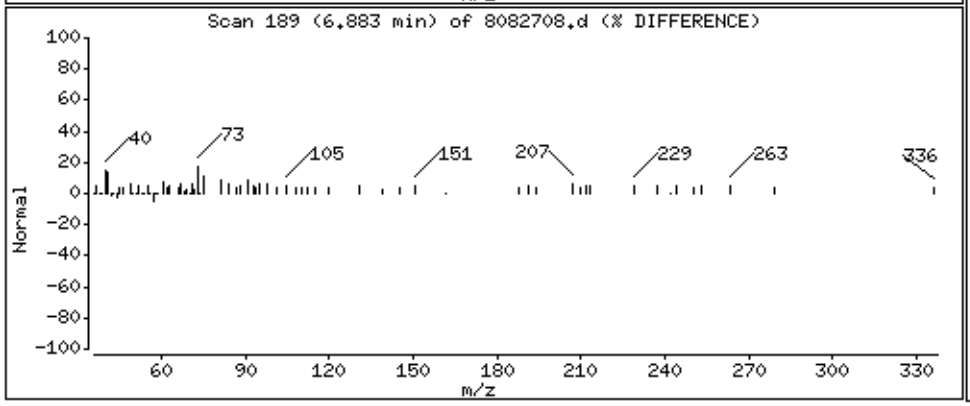
65 2-Butanone

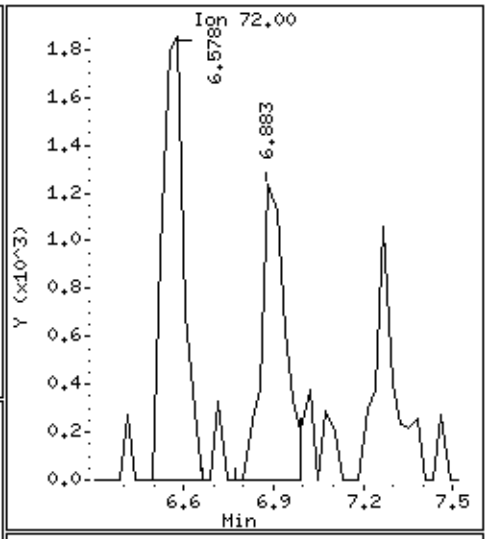
Concentration: 0.9025 PPBV

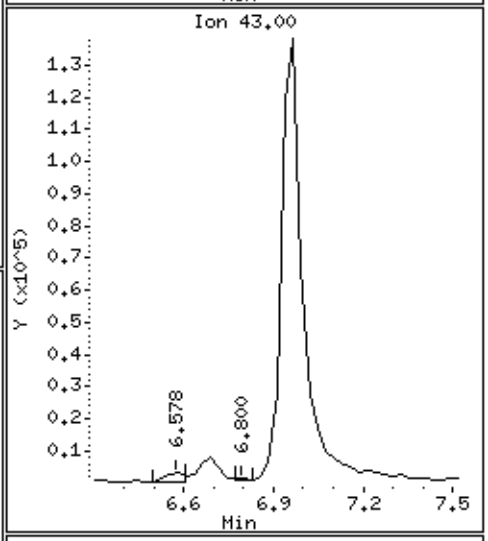


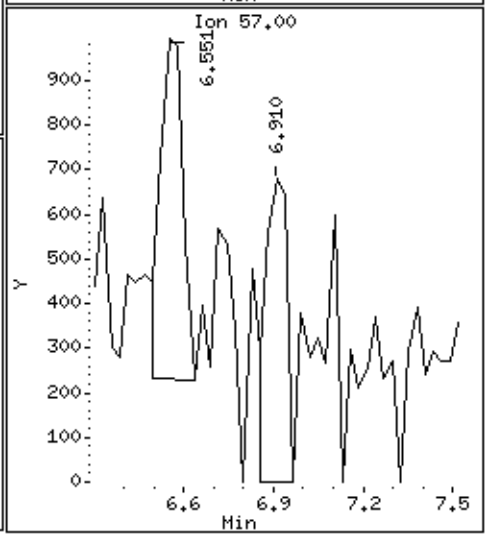












Data File: /chem/msd8.i/8-27aug.b/8082708.d

Date : 27-AUG-2007 14:11

Client ID:

Instrument: msd8.i

Sample Info: 200ml #35161

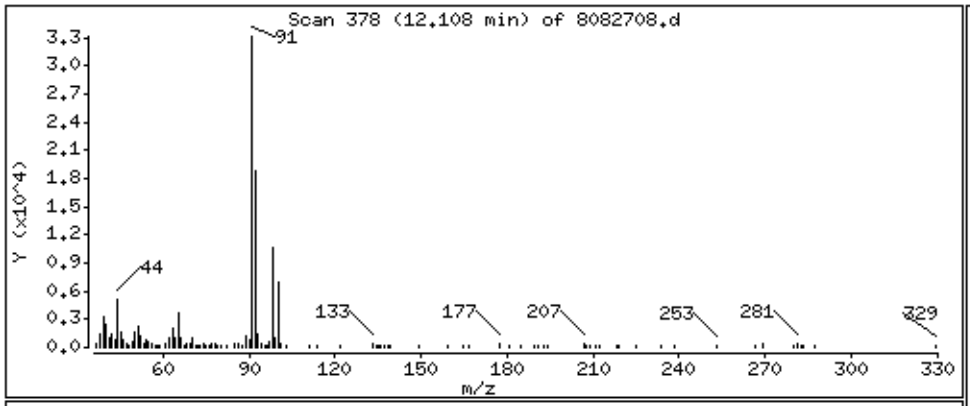
Operator: lmr

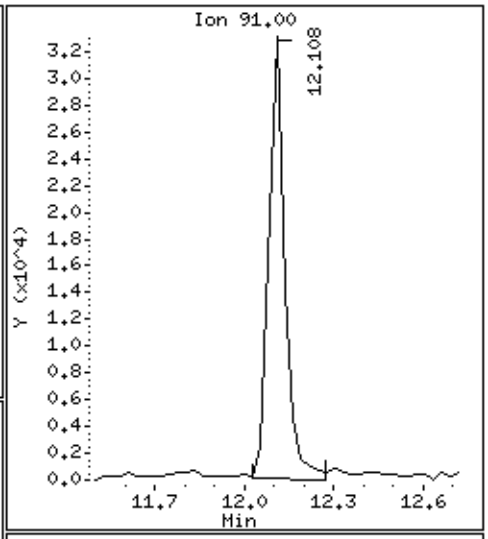
Column phase: RTx-624

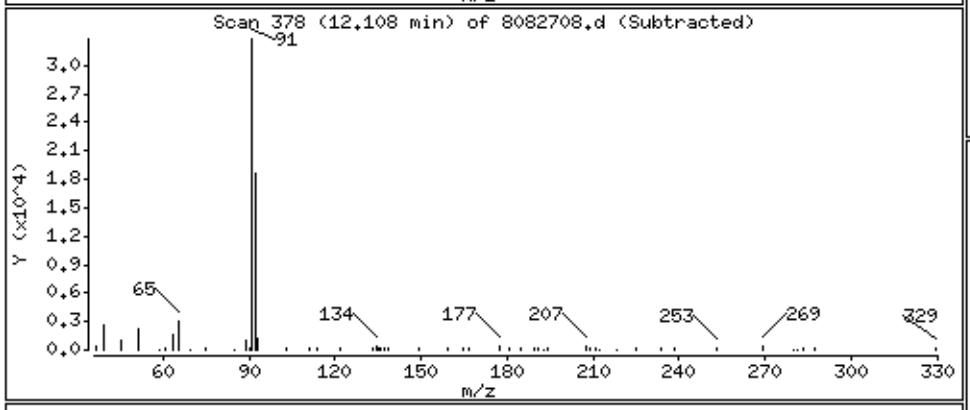
Column diameter: 0.53

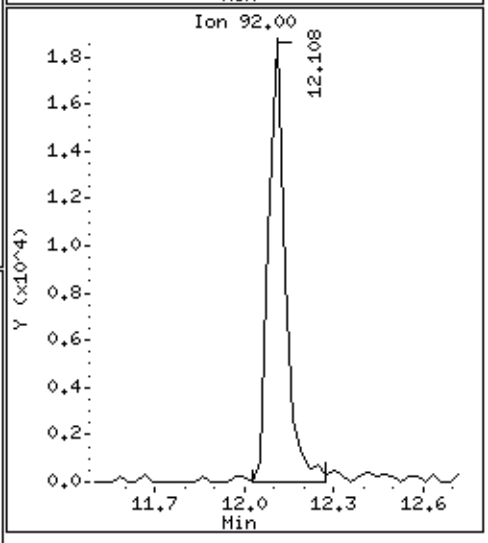
105 Toluene

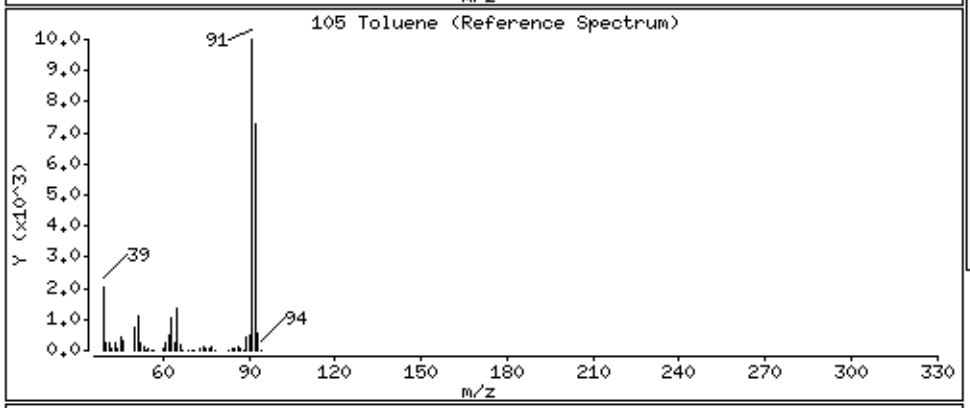
Concentration: 2.163 PPBV

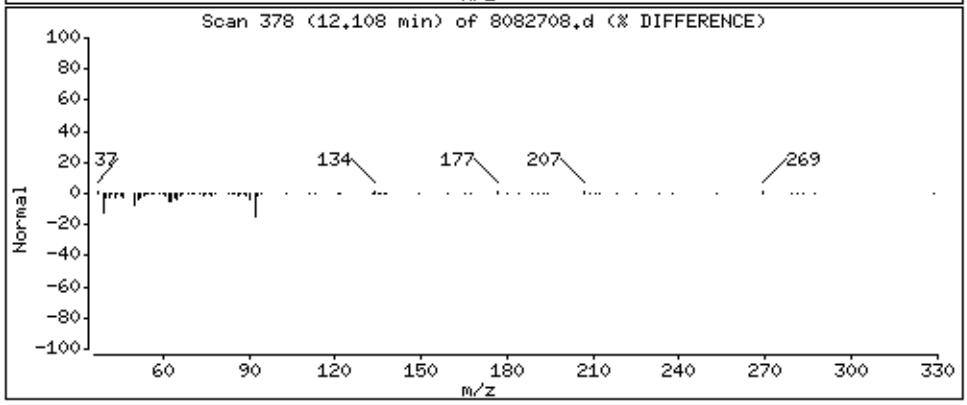












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708361-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082704a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 10:30 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#: 0708361-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082704a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 10:30 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	104	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-27aug.b/8082704a.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 27-AUG-2007 10:30
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #13673
Misc Info : humid
Comment :
Method : /chem/msd8.i/8-27aug.b/t14q823a.m
Meth Date : 27-Aug-2007 09:44 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	409938	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	322085			48.38- 108.38	78.57
7.270	7.270 (1.000)	49	685079			138.94- 198.94	167.12
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.150	9.150 (1.000)	114	1845804	25.0000		80.00- 120.00	100.00
9.150	9.150 (1.000)	88	273844			0.00- 45.01	14.84
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1570628	25.0000		80.00- 120.00	100.00
14.486	14.486 (1.000)	82	796273			0.00- 30.00	50.70
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.348	8.348 (1.148)	65	474971	25.9859	25.986	80.00- 120.00	100.00
8.348	8.348 (1.148)	67	255170			0.00- 30.00	53.72
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.308)	98	1737254	25.9727	25.973	80.00- 120.00	100.00
11.970	11.970 (1.308)	70	159118			0.00- 30.00	9.16

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1171534			0.00- 30.00	67.44
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	671189	24.2262	24.226	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1021866			123.37- 183.37	152.25
16.118	16.118 (1.113)	176	648533			65.60- 125.60	96.62

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082704a.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: humid

Calibration Date: 27-AUG-2007
Calibration Time: 09:03
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	474833	284900	664766	409938	-13.67
88 1,4-Difluorobenze	2226801	1336081	3117521	1845804	-17.11
125 Chlorobenzene-d5	1791943	1075166	2508720	1570628	-12.35

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.15	8.82	9.48	9.15	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	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: 29-Aug-2007 10:51

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-27aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: humid

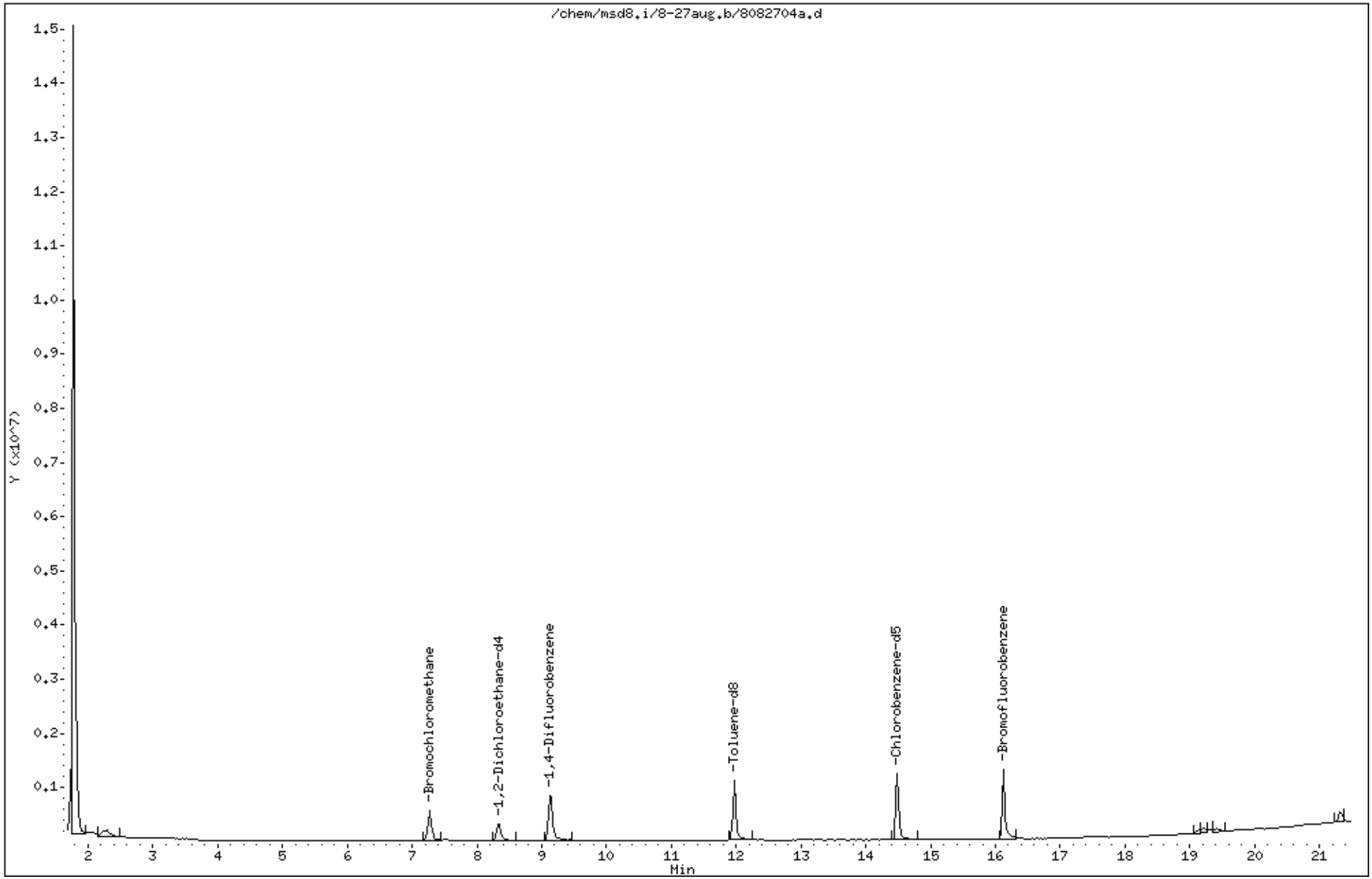
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	25.986	103.94	70-130
$ 104 Toluene-d8	25.000	25.973	103.89	70-130
$ 140 Bromofluorobenzene	25.000	24.226	96.90	70-130

0036

Data File: /chem/msd8.i/8-27aug.b/8082704a.d
Date : 27-AUG-2007 10:30
Client ID: Lab Blank
Sample Info: 200ml #13673

Instrument: msd8.i
Operator: lmr
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.: 0708361

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS3	110		106		97				0
02	AMS5	108		103		96				0
03	Lab Blank	104		104		97				0
04	CCV	108		104		101				0
05	LCS	106		104		103				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0708361
Lab File ID: 8082702.d
Date Analyzed: 08/27/2007
Instrument ID: msd8.i
Time Analyzed: 09:03 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1791943		14.49		2226801		9.15		474833		7.27	
	UPPER LIMIT	2508720		14.82		3117521		09.48		664766		07.60	
	LOWER LIMIT	1075166		14.16		1336081		08.82		284900		06.94	
	CLIENT SAMPLE NO												
01	AMS3	1581670		14.49		1803334		9.15		393904		7.27	
02	AMS5	1566465		14.49		1819272		9.15		392364		7.27	
03	Lab Blank	1570628		14.49		1845804		9.15		409938		7.27	
04	CCV	1791943		14.49		2226801		9.15		474833		7.27	
05	LCS	1569674		14.49		1873742		9.12		410097		7.27	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 16:21
End Cal Date : 23-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd8.i/8-23aug.b/8082302.d
Level 2: /chem/msd8.i/8-23aug.b/8082311.d
Level 3: /chem/msd8.i/8-23aug.b/8082304.d
Level 4: /chem/msd8.i/8-23aug.b/8082312.d
Level 5: /chem/msd8.i/8-23aug.b/8082306.d
Level 6: /chem/msd8.i/8-23aug.b/8082307.d
Level 7: /chem/msd8.i/8-23aug.b/8082308.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Propylene	+++++	+++++	1.63068	1.08380	1.05670	1.06969	1.04590	1.17735	21.558
4 Dichlorodifluoromethane/Fr12	+++++	3.24400	2.97179	2.27321	2.12017	2.38378	2.30559	2.54976	17.612
5 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 114	+++++	2.02947	2.68764	2.00215	1.92286	1.93146	1.93429	2.08465	14.322
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 16:21
End Cal Date : 23-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Chloromethane	+++++	+++++	1.94643	1.36399	1.29518	1.43388	1.41423	1.49074	17.462
9 Butane	+++++	+++++	0.52247	0.31937	0.29269	0.29485	0.29532	0.34494	28.944
10 1,3-Butadiene	+++++	1.10623	1.40322	1.08250	1.06807	1.09726	1.10094	1.14304	11.218
11 Vinyl Chloride	+++++	1.59238	1.74838	1.32186	1.29945	1.29840	1.28413	1.42410	13.862
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
13 Bromomethane	+++++	1.10265	1.31487	1.00263	0.98214	0.98247	0.98332	1.06135	12.501
14 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Isopentane	+++++	+++++	2.81953	1.96033	1.94311	1.94757	1.96871	2.12785	18.178
16 Chloroethane	+++++	0.85403	0.95557	0.69367	0.67572	0.67868	0.67816	0.75597	15.852
17 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 16:21
End Cal Date : 23-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Trichlorofluoromethane/Fr11	+++++	2.70376	3.14448	2.42693	2.37753	2.40746	2.41039	2.57842	11.724
19 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
21 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Ethanol	+++++	+++++	0.62187	0.45495	0.44324	0.41655	0.41263	0.46985	18.480
24 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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End Cal Date : 23-AUG-2007 22:10
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Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Freon 113	+++++	2.12825	2.23193	1.63073	1.61941	1.61491	1.64268	1.81132	15.883
29 1,1-Dichloroethene	+++++	2.22276	2.59978	1.82545	1.77552	1.81780	1.82193	2.01054	16.563
30 Acetone	+++++	+++++	0.94015	0.63437	0.63287	0.63296	0.63270	0.69461	19.761
31 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Carbon Disulfide	+++++	4.13398	4.62746	3.44837	3.36217	3.42957	3.40713	3.73478	14.054
34 2-Propanol	+++++	+++++	2.87387	2.42523	2.41950	2.49101	2.42076	2.52608	7.788
35 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 3-Chloropropene	+++++	+++++	0.55909	0.58256	0.56163	0.57132	0.54011	0.56294	2.799

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Methylene Chloride	+++++	1.77066	2.04159	1.51369	1.46136	1.47089	1.44309	1.61688	14.904
41 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 MTBE	+++++	2.23150	1.32418	1.41536	1.27325	1.29621	1.12849	1.44483	27.439
44 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 trans-1,2-Dichloroethene	+++++	1.79597	1.81963	1.30315	1.27669	1.31165	1.29015	1.46621	18.071
46 Hexane	+++++	3.03872	3.35035	2.53659	2.48609	2.49169	2.51226	2.73595	13.489
47 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
48 Ethanol-high	*****	*****	*****	*****	*****	*****	*****	*****	*****
49 Isopropyl ether	*****	*****	*****	*****	*****	*****	*****	*****	*****
50 Propanal	*****	*****	*****	*****	*****	*****	*****	*****	*****
51 Chloroprene	*****	*****	*****	*****	*****	*****	*****	*****	*****
52 1-Propanol	*****	*****	*****	*****	*****	*****	*****	*****	*****
53 Bromoethane	*****	*****	*****	*****	*****	*****	*****	*****	*****
54 1,1-Dichloroethane	*****	2.77207	3.02855	2.38672	2.32757	2.32754	2.33073	2.52886	11.854
55 Vinyl Acetate	*****	*****	0.39770	0.32678	0.33204	0.34918	0.34556	0.35025	8.021
56 Iodomethane	*****	*****	*****	*****	*****	*****	*****	*****	*****
57 2,3-Dimethylbutane	*****	*****	*****	*****	*****	*****	*****	*****	*****

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 Ethyl-tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
59 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 cis-1,2-Dichloroethene	+++++	2.14896	2.24848	1.80811	1.78706	1.77637	1.76551	1.92242	11.277
65 2-Butanone	+++++	0.80420	0.81352	0.65669	0.65623	0.66784	0.66774	0.71104	10.688
66 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Tetrahydrofuran	+++++	2.58427	2.38512	1.93014	1.93078	1.98264	1.94195	2.12582	13.438

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
69 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Chloroform	3.64027	2.85853	2.99515	2.17910	2.12658	2.17209	2.15868	2.59006	22.752
71 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 Cyclohexane	+++++	2.69637	2.79158	2.02297	1.98296	1.97610	1.99864	2.24477	17.293
74 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 1,1,1-Trichloroethane	+++++	2.54865	2.54771	2.13071	2.01821	2.04716	2.05435	2.22446	11.396
76 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	2.44999	2.45895	2.00748	1.93093	1.96968	1.97801	2.13251	11.752
78 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
79 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 2,2,4-Trimethylpentane	+++++	8.80192	10.03148	7.90574	7.87462	8.03625	8.28778	8.48963	9.771
81 Benzene	1.40084	1.04357	1.17731	0.96680	0.93519	0.92982	0.95540	1.05842	16.470
83 1,2-Dichloroethane	+++++	0.39703	0.44144	0.34653	0.33665	0.32881	0.33528	0.36429	12.400
84 Thiopene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Heptane	+++++	0.15678	0.14699	0.11333	0.11726	0.10976	0.11318	0.12622	16.054
86 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
91 2-Pentanone	*****	*****	*****	*****	*****	*****	*****	*****	*****
92 Pentanal	*****	*****	*****	*****	*****	*****	*****	*****	*****
93 Ethyl Acrylate	*****	*****	*****	*****	*****	*****	*****	*****	*****
94 Trichloroethene	*****	0.52133	0.47571	0.38418	0.37636	0.37260	0.37588	0.41768	15.412
95 Methyl Cyclohexane	*****	3.27524	3.65022	2.77130	2.69590	2.70635	2.74464	2.97394	13.372
96 Dibromomethane	*****	*****	*****	*****	*****	*****	*****	*****	*****
97 1,2-Dichloropropane	*****	0.44625	0.46842	0.34681	0.34920	0.34478	0.34927	0.38412	14.883
98 1,4-Dioxane	*****	*****	0.28486	0.22749	0.22556	0.21866	0.22509	0.23633	11.563
99 Octane	*****	*****	*****	*****	*****	*****	*****	*****	*****
100 Bromodichloromethane	*****	0.66051	0.61458	0.51855	0.50722	0.49687	0.50874	0.55108	12.499

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 1-Nitropropane	*****	*****	*****	*****	*****	*****	*****	*****	*****
102 cis-1,3-Dichloropropene	*****	0.50065	0.60220	0.47535	0.46884	0.46566	0.46817	0.49681	10.710
103 4-Methyl-2-pentanone	*****	0.41780	0.45932	0.30524	0.30134	0.29830	0.30332	0.34755	20.643
105 Toluene	*****	1.25473	1.34270	1.08722	1.06049	1.05697	1.08627	1.14806	10.507
106 1-Methoxy-2-propyl acetate	*****	*****	*****	*****	*****	*****	*****	*****	*****
107 Epichlorohydrin	*****	*****	*****	*****	*****	*****	*****	*****	*****
108 trans-1,3-Dichloropropene	*****	0.62105	0.66887	0.54561	0.55758	0.55020	0.54671	0.58167	8.849
109 1,3-Dichloropropane	*****	*****	*****	*****	*****	*****	*****	*****	*****
110 1,1,2-Trichloroethane	*****	0.38906	0.53444	0.43022	0.43089	0.42021	0.41555	0.43673	11.503
111 alpha-Pinene	*****	*****	*****	*****	*****	*****	*****	*****	*****

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
112 Tetrachloroethene	+++++	0.65550	0.69345	0.53764	0.53666	0.53238	0.52273	0.57973	12.860
113 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 2-Hexanone	+++++	+++++	0.54713	0.47798	0.50957	0.51878	0.50974	0.51264	4.824
115 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 Dibromochloromethane	+++++	0.82950	0.75181	0.61049	0.62918	0.63178	0.64261	0.68256	12.873
117 1,2-Dibromoethane	+++++	0.95491	0.81228	0.67395	0.68745	0.68121	0.67571	0.74758	15.343
118 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
121 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
126 Chlorobenzene	+++++	1.40289	1.40638	1.14565	1.14277	1.15625	1.16987	1.23730	10.504
127 Bis(2-chloroethyl) ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 Ethyl Benzene	+++++	0.68788	0.69473	0.58868	0.60624	0.59320	0.59716	0.62798	7.873
130 m,p-Xylene	+++++	0.99262	0.94152	0.75408	0.78282	0.78029	0.77800	0.83822	12.124
131 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
132 o-Xylene	+++++	0.95419	0.88093	0.69904	0.72252	0.71965	0.70256	0.77981	14.051

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
134 Styrene	1.55877	1.15823	1.37128	1.15266	1.15912	1.19552	1.23586	1.26164	12.039
135 Bromoform	+++++	0.59010	0.64557	0.55172	0.56645	0.56565	0.57747	0.58283	5.716
136 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
137 Cumene	2.50698	2.08148	2.33864	1.92915	2.00970	2.02172	1.66912	2.07954	13.156
138 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
141 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 1,1,2,2-Tetrachloroethane	+++++	1.24444	1.23509	0.98108	1.03196	1.02227	1.03616	1.09183	10.649
145 Propylbenzene	+++++	2.49489	2.74733	2.28395	2.42695	2.46716	1.68750	2.35129	15.237
146 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
147 4-Ethyltoluene	+++++	2.08508	2.25939	1.98877	2.14835	2.23119	1.57392	2.04778	12.314
148 1,3,5-Trimethylbenzene	+++++	2.40734	2.40755	1.90740	1.98509	1.98945	1.31479	2.00194	20.110
149 2,6-Dimethyl-1-propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 1,2,4-Trimethylbenzene	+++++	1.76442	1.91980	1.48271	1.60221	1.62356	1.62219	1.66915	9.103

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,3-Dichlorobenzene	+++++	1.14725	1.18731	0.94997	1.00022	1.00302	1.01271	1.05008	8.973
157 1,4-Dichlorobenzene	+++++	1.63785	1.76994	1.22179	1.28835	1.27999	1.25677	1.40912	16.554
158 alpha-Chlorotoluene	+++++	1.57283	1.60961	1.20418	1.32105	1.39016	1.42159	1.41990	10.754
159 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.58919	1.41052	0.99121	1.03938	1.05917	1.11418	1.20061	20.141
162 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
164 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
165 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
167 1,2,4-Trichlorobenzene	+++++	+++++	1.26701	0.80887	0.79124	0.81196	0.86473	0.90876	22.244	
168 Hexachlorobutadiene	+++++	+++++	0.84216	0.54577	0.58333	0.59968	0.57271	0.62873	19.231	
169 Naphthalene	+++++	+++++	3.59701	1.96811	2.02688	2.08065	1.65514	2.26556	33.652	<-
170 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
172 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
$ 82 1,2-Dichloroethane-d4	1.05633	1.08154	1.13352	1.08369	1.09746	1.14936	1.20088	1.11468	4.448	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2007 16:21
End Cal Date : 23-AUG-2007 22:10
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-23aug.b/t14q823a.m
Cal Date : 23-Aug-2007 22:20 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
$ 104 Toluene-d8	0.88410	0.89294	0.91325	0.90184	0.92694	0.90650	0.91604	0.90594	1.599
$ 140 Bromofluorobenzene	0.41834	0.41961	0.42899	0.43543	0.46177	0.45494	0.46782	0.44099	4.621

Calibration History

Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Start Cal Date: 23-AUG-2007 16:21
End Cal Date : 23-AUG-2007 22:10

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
23-AUG-2007 16:21	AFCEElow	/chem/msd8.i/8-23aug.b/8082302.d
Cal Level: 2 , Cal Amount: 0.50000		
23-AUG-2007 21:33	AT04Low+ENSR	/chem/msd8.i/8-23aug.b/8082311.d
Cal Level: 3 , Cal Amount: 2.00000		
23-AUG-2007 17:18	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082304.d
Cal Level: 4 , Cal Amount: 25.00000		
23-AUG-2007 22:10	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082312.d
Cal Level: 5 , Cal Amount: 50.00000		
23-AUG-2007 18:14	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082306.d
Cal Level: 6 , Cal Amount: 100.00000		
23-AUG-2007 18:42	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082307.d
Cal Level: 7 , Cal Amount: 200.00000		
23-AUG-2007 19:12	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082308.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
23-AUG-2007 18:14	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082306a.d
Ccal Level: 5 , Ccal Amount: 50.000		
23-AUG-2007 18:14	AT04mdl+ENSR	/chem/msd8.i/8-23aug.b/8082306.d

@ Air Toxics Ltd. **MSD-8** **Logbook #: 1478**

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.07
75	30.0 – 60.0% of mass 95	36.75
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.21
173	Less than 2.0% of mass 174	(0.70)[1]
174	Greater than 50.0% of mass 95	68.10
175	5.0 – 9.0% of mass 174	(6.83)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.09)[1]
177	5.0 – 9.0% of mass 176	(6.11)[2]

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

BFB Injection Date: 8/23/07
BFB Injection Time: 1511
BFB File ID: 8082301
Tekmar Purge Flow:
Vacuum: 7.3×10^{-6}

IS/S Std.#:	1487-3161	Exp. Date: 10/31/07
BCM	4488885	
1,4-DFB	1960621	
CB-d5	1558341	

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

Verify 176/174 m/z Ratio: 1490944/1551360 x100 = 96.10

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

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\quad)}{(\quad)} \times \frac{(\quad)}{(\quad)} =$

Reported Result

File ID:	
Compound:	
Initials:	GS 8/23/07

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	8082301	BFB Tune Check	843-2861	50ng	2µl	1.00	LR	8/23/07	1511	LR	
2	✓	02	ICAL Lvl 1	1443-2166	0.2ppbv	0.2ml				1621	GS	
3	X	03	2		0.5ppbv	0.5ml				1649	GS	Bad Load
4	✓	04	3		2.0ppbv	2.0ml				1718	GS	
5	X	05	4		25ppbv	25ml				1746	GS	Bad Load
6	✓	06	5		50ppbv	50ml				1814	GS	
7	✓	07	6		100ppbv	100ml				1842	GS	
8	✓	08	7		200ppbv	200ml				1912	GS	
9	X	09	System Blank		Humid	200ml	1.00	LR		2006	GS	

Signature

8/23/07
Date

0059

10	X	8082310	System Blank	13673	Hexane	200ml	1.00	SS	8/23/07	2052	SS	
11	✓	11	ICAL Level 2	13443-266	0.5ppbv	0.5ml	1.00	SS		2133	SS	
12	✓	12	" 4	"	25ppbv	25ml	1.00	SS		2210	SS	
13	✓	13	ICAL LCS	13443-165A	50ppbv	100ml	1.00	SS		2248	SS	
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												SS 8/23/07

0900

Comments: NIST Flow meter #1-18812 exp 06/08
Real: 25.2 ml/min, Nominal: 22.4 ml/min

SS
Signature

8/23/07
Date

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-8 on 08/23/07. As noted on the accompanying analytical run logs, the following points, 0.5ppbv and 25ppbv were re-analyzed due to:

a. instrument malfunction

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

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082313.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 23-AUG-2007 22:48
Operator : lmr Inst ID: msd8.i
Smp Info : 100ml #1443-165A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 22:21 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.270	7.270 (1.000)	130	440389	25.0000		70.00- 130.00	100.00
7.270	7.270 (1.000)	128	347448			46.13- 106.13	78.90
7.242	7.270 (1.000)	49	692124			126.06- 186.06	157.16
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.122	9.122 (1.000)	114	1946136	25.0000		70.00- 130.00	100.00
9.122	9.122 (1.000)	88	291449			0.00- 44.25	14.98
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.486	14.486 (1.000)	117	1589398	25.0000		70.00- 130.00	100.00
14.459	14.486 (1.000)	82	799944			0.00- 30.00	50.33
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.320	8.320 (1.145)	65	482691	24.5822	24.582	70.00- 130.00	100.00
8.320	8.320 (1.145)	67	303954			0.00- 30.00	62.97
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.970	11.970 (1.312)	98	1794580	25.4465	25.446	70.00- 130.00	100.00
11.970	11.970 (1.312)	70	166123			0.00- 30.00	9.26

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1685137			0.00- 30.00	93.90
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	730358	26.0506	26.050	70.00- 130.00	100.00
16.118	16.118 (1.113)	95	1038461			110.99- 170.99	142.19
16.118	16.118 (1.113)	176	682048			66.16- 126.16	93.39
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	954606	46.0278	46.028	70.00- 130.00	100.00
1.961	1.961 (0.270)	42	651001			0.00- 30.00	68.20
1.961	1.961 (0.270)	39	687522			0.00- 30.00	72.02
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	1986939	44.2374	44.237	70.00- 130.00	100.00
1.989	1.989 (0.274)	87	626974			0.00- 30.00	31.55
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.289)	135	1805209	49.1585	49.158	70.00- 130.00	100.00
2.099	2.099 (0.289)	137	571865			1.61- 61.61	31.68
8 Chloromethane					CAS #: 74-87-3		
2.238	2.210 (0.308)	50	1180862	44.9676	44.968	70.00- 130.00	100.00
2.238	2.210 (0.308)	52	366015			0.00- 30.00	31.00
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	1180270	47.0483	47.048	70.00- 130.00	100.00
2.348	2.348 (0.323)	64	366939			0.00- 30.00	31.09
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.320 (0.323)	54	965425	47.9470	47.947	70.00- 130.00	100.00
2.348	2.320 (0.323)	39	1128390			0.00- 30.00	116.88
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	902527	48.2732	48.273	70.00- 130.00	100.00
2.763	2.763 (0.380)	96	834790			60.69- 120.69	92.49
16 Chloroethane					CAS #: 75-00-3		
2.874	2.873 (0.395)	64	625831	46.9954	46.995	70.00- 130.00	100.00
2.874	2.873 (0.395)	49	171801			0.00- 30.00	27.45
2.874	2.873 (0.395)	66	189398			0.00- 30.00	30.26
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.429)	101	2165777	47.6829	47.683	70.00- 130.00	100.00
3.122	3.122 (0.429)	103	1410656			35.07- 95.07	65.13

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.426	3.426 (0.471)	45	378333	45.7108	45.711	70.00- 130.00	100.00
3.426	3.426 (0.471)	43	72052			0.00- 30.00	19.04
3.426	3.426 (0.471)	46	158155			0.00- 30.00	41.80
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.525)	151	1491967	46.7593	46.759	70.00- 130.00	100.00
3.814	3.814 (0.525)	153	930902			33.90- 93.90	62.39
3.814	3.814 (0.525)	101	1940589			101.46- 161.46	130.07
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	1659516	46.8567	46.857	70.00- 130.00	100.00
3.869	3.869 (0.532)	96	966292			31.27- 91.27	58.23
3.869	3.869 (0.532)	98	631280			8.98- 68.98	38.04
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	595769	48.6899	48.690	70.00- 130.00	100.00
4.007	4.007 (0.551)	43	2005601			0.00- 30.00	336.64
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	2131187	47.8937	47.894	70.00- 130.00	100.00
4.201	4.201 (0.578)	43	450485			0.00- 30.00	21.14
4.201	4.201 (0.578)	59	76529			0.00- 30.00	3.59
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.574)	76	3076036	46.7552	46.755	70.00- 130.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.450	4.449 (0.612)	76	528260	53.2705	53.270	70.00- 130.00	100.00
4.450	4.449 (0.612)	41	1861728			0.00- 30.00	352.43
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.698 (0.646)	49	1335854	46.9012	46.901	70.00- 130.00	100.00
4.698	4.698 (0.646)	84	890965			37.63- 97.63	66.70
4.698	4.698 (0.646)	51	397952			0.00- 30.00	29.79
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	1065895	41.8794	41.879	70.00- 130.00	100.00
5.030	5.030 (0.692)	57	291902			0.00- 57.54	27.39
5.030	5.030 (0.692)	41	311978			0.00- 30.00	29.27
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.058	5.058 (0.696)	96	1180247	45.6962	45.696	70.00- 130.00	100.00
5.058	5.058 (0.696)	61	1775773			121.91- 181.91	150.46
5.058	5.058 (0.696)	98	751836			0.00- 30.00	63.70

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	2269774	47.0953	47.095	70.00- 130.00	100.00
5.417	5.417 (0.745)	43	1561988			0.00- 30.00	68.82
5.417	5.417 (0.745)	86	356782			0.00- 30.00	15.72
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	2119919	47.5880	47.588	70.00- 130.00	100.00
5.832	5.832 (0.802)	65	641145			0.00- 59.86	30.24
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	296493	48.0549	48.055	70.00- 130.00	100.00
5.887	5.915 (0.810)	43	3544893			0.00- 30.00	1195.61
5.887	5.915 (0.810)	42	255214			0.00- 30.00	86.08
65 2-Butanone					CAS #: 78-93-3		
6.883	6.883 (0.947)	72	595756	47.5642	47.564	70.00- 130.00	100.00
6.883	6.883 (0.947)	43	2868148			442.32- 502.32	481.43
6.883	6.883 (0.947)	57	205986			0.00- 30.00	34.58
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	1634317	48.2605	48.260	70.00- 130.00	100.00
6.827	6.827 (0.939)	96	1220227			43.76- 103.76	74.66
6.827	6.827 (0.939)	98	768916			17.82- 77.82	47.05
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (0.996)	42	1742906	46.5427	46.543	70.00- 130.00	100.00
7.242	7.242 (0.996)	71	540361			0.02- 60.02	31.00
7.242	7.242 (0.996)	72	600513			0.00- 30.00	34.45
70 Chloroform					CAS #: 67-66-3		
7.380	7.380 (1.015)	83	1972695	43.2368	43.237	70.00- 130.00	100.00
7.380	7.380 (1.015)	85	1292576			35.44- 95.44	65.52
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.629	7.629 (1.049)	97	1886229	48.1363	48.136	70.00- 130.00	100.00
7.629	7.629 (1.049)	99	1241179			35.50- 95.50	65.80
73 Cyclohexane					CAS #: 110-82-7		
7.602	7.602 (1.046)	84	1794344	45.3772	45.377	70.00- 130.00	100.00
7.602	7.602 (1.046)	56	2366260			100.05- 160.05	131.87
7.602	7.602 (1.046)	41	1314422			42.52- 102.52	73.25
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	1799673	47.9078	47.908	70.00- 130.00	100.00
7.878	7.878 (1.084)	117	1853199			74.76- 134.76	102.97

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	7190658	48.0821	48.082	70.00- 130.00	100.00
8.320	8.320 (1.145)	56	2317919			0.00- 30.00	32.24
8.320	8.320 (1.145)	41	1795122			0.00- 30.00	24.96
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	3827711	46.4567	46.457	70.00- 130.00	100.00
8.293	8.293 (0.909)	77	859803			0.00- 30.00	22.46
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.459 (0.927)	62	1352426	47.6906	47.690	70.00- 130.00	100.00
8.459	8.459 (0.927)	64	415787			0.00- 30.00	30.74
85 Heptane					CAS #: 142-82-5		
8.708	8.707 (0.955)	100	457152	46.5277	46.528	70.00- 130.00	100.00
8.708	8.707 (0.955)	43	2856209			0.00- 30.00	624.78
8.708	8.707 (0.955)	71	1413705			0.00- 30.00	309.24
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	1545026	47.5185	47.518	70.00- 130.00	100.00
9.537	9.537 (1.045)	130	1595403			75.94- 135.94	103.26
9.537	9.537 (1.045)	97	956300			32.72- 92.72	61.90
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	1421452	47.5370	47.537	70.00- 130.00	100.00
10.035	10.035 (1.100)	62	986112			41.42- 101.42	69.37
10.035	10.035 (1.100)	41	812622			28.00- 88.00	57.17
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.127)	88	861720	46.8390	46.839	70.00- 130.00	100.00
10.284	10.284 (1.127)	58	643270			43.34- 103.34	74.65
10.284	10.284 (1.127)	57	190265			0.00- 30.00	22.08
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	2051733	47.8270	47.827	70.00- 130.00	100.00
10.588	10.588 (1.161)	85	1301114			34.69- 94.69	63.42
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	1905977	49.2823	49.282	70.00- 130.00	100.00
11.528	11.528 (1.264)	77	590776			1.96- 61.96	31.00
11.528	11.528 (1.264)	39	1070204			25.45- 85.45	56.15
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	1182604	43.7105	43.710	70.00- 130.00	100.00
11.887	11.887 (1.303)	43	3152755			0.00- 30.00	266.59
11.887	11.887 (1.303)	85	480023			0.00- 30.00	40.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	4311131	48.2383	48.238	70.00- 130.00	100.00
12.108	12.108 (1.327)	92	2630444			30.20- 90.20	61.02
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	1804271	48.7902	48.790	70.00- 130.00	100.00
12.717	12.717 (0.878)	77	579049			1.26- 61.26	32.09
12.717	12.717 (0.878)	39	1027068			27.22- 87.22	56.92
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	1393730	50.1965	50.196	70.00- 130.00	100.00
13.021	13.021 (0.899)	99	890582			32.87- 92.87	63.90
13.021	13.021 (0.899)	83	1218060			55.53- 115.53	87.40
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	1756016	47.6446	47.644	70.00- 130.00	100.00
13.076	13.076 (0.903)	129	1405526			51.23- 111.23	80.04
13.076	13.076 (0.903)	131	1341994			47.48- 107.48	76.42
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	1520111	46.6410	46.641	70.00- 130.00	100.00
13.463	13.463 (0.929)	43	2958184			162.00- 222.00	194.60
13.463	13.463 (0.929)	100	307739			0.00- 30.00	20.24
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.601 (0.939)	129	2074657	47.8091	47.809	70.00- 130.00	100.00
13.601	13.601 (0.939)	127	1601404			0.00- 30.00	77.19
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	2265108	47.6581	47.658	70.00- 130.00	100.00
13.767	13.767 (0.950)	109	2145981			65.34- 125.34	94.74
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	3814054	48.4863	48.486	70.00- 130.00	100.00
14.514	14.514 (1.002)	114	1152847			0.74- 60.74	30.23
14.514	14.514 (1.002)	77	1923564			21.12- 81.12	50.43
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	1966271	49.2498	49.250	70.00- 130.00	100.00
14.652	14.652 (1.011)	91	5826281			0.00- 30.00	296.31
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	2561809	48.0723	48.072	70.00- 130.00	100.00
14.846	14.846 (1.025)	91	4634255			0.00- 30.00	180.90
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	2327857	46.9540	46.954	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.399	15.399 (1.063)	91	4424667			162.01- 222.01	190.07
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	3529927	44.0088	44.009	70.00- 130.00	100.00
15.426	15.426 (1.065)	78	1473533			10.74- 70.74	41.74
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	1844217	49.7714	49.771	70.00- 130.00	100.00
15.675	15.675 (1.082)	171	950009			21.03- 81.03	51.51
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	3345420	48.1949	48.195	70.00- 130.00	100.00
16.366	16.366 (1.130)	85	2119129			34.08- 94.08	63.34
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	6949108	53.3768	53.377	70.00- 130.00	100.00
16.560	16.560 (1.143)	120	2254489			1.66- 61.66	32.44
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	6333035	49.7587	49.759	70.00- 130.00	100.00
16.643	16.643 (1.149)	120	3320857			0.00- 30.00	52.44
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	5125195	48.2973	48.297	70.00- 130.00	100.00
17.058	17.058 (1.178)	120	2497335			18.19- 78.19	48.73
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.389 (1.200)	146	3329523	49.8731	49.873	70.00- 130.00	100.00
17.389	17.389 (1.200)	148	2108156			0.00- 30.00	63.32
17.362	17.389 (1.198)	111	1405370			0.00- 30.00	42.21
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	4166471	46.5081	46.508	70.00- 130.00	100.00
17.472	17.472 (1.206)	148	2596288			0.00- 30.00	62.31
17.472	17.472 (1.206)	111	1705814			0.00- 30.00	40.94
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	4268399	47.2840	47.284	70.00- 130.00	100.00
17.638	17.638 (1.218)	126	993614			0.00- 30.00	23.28
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	3389438	44.4052	44.405	70.00- 130.00	100.00
17.832	17.832 (1.231)	148	2077776			31.63- 91.63	61.30
17.832	17.832 (1.231)	111	1627840			16.49- 76.49	48.03

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	2646224	45.8020	45.802	70.00- 130.00	100.00
19.214	19.214 (1.326)	182	2535595			65.47- 125.47	95.82
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	1835560	45.9211	45.921	70.00- 130.00	100.00
19.297	19.297 (1.332)	223	1203647			34.26- 94.26	65.57
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	7824115	52.3402	52.340	70.00- 130.00	100.00
16.394	16.394 (1.132)	120	1921275			0.00- 30.00	24.56
16.394	16.394 (1.132)	105	281486			0.00- 30.00	3.60
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	6604741	49.9569	49.957	70.00- 130.00	100.00
15.869	15.869 (1.095)	120	1889274			0.00- 30.00	28.60
15.869	15.869 (1.095)	51	640684			0.00- 30.00	9.70
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	5985567	41.5564	41.556	70.00- 130.00	100.00
19.408	19.408 (1.340)	127	714732			0.00- 30.00	11.94
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.312)	58	273325	44.9819	44.982	70.00- 130.00	100.00
2.265	2.265 (0.312)	43	2181661			0.00- 30.00	798.19
15 Isopentane					CAS #: 78-78-4		
2.874	2.873 (0.395)	43	1754516	46.8080	46.808	70.00- 130.00	100.00
2.874	2.873 (0.395)	57	1078847			0.00- 30.00	61.49
2.874	2.873 (0.395)	72	110826			0.00- 30.00	6.32
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	2511331	47.9374	47.937	70.00- 130.00	100.00
9.758	9.758 (1.342)	98	1178024			0.00- 30.00	46.91
9.758	9.758 (1.342)	55	2080158			0.00- 30.00	82.83

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082313.d
Lab Smp Id: LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 50ppbv (100ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	440389	-1.89
88 1,4-Difluorobenze	1960621	1176373	2744869	1946136	-0.74
125 Chlorobenzene-d5	1588341	953005	2223677	1589398	0.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	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: 23-Aug-2007 23:04

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-23aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS Client Smp ID: LCS
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 50ppbv (100ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	44.009	88.02	70-130
108 trans-1,3-Dichloro	50.000	48.790	97.58	70-130
3 Propylene	50.000	46.028	92.06	60-140
4 Dichlorodifluorome	50.000	44.237	88.47	70-130
6 Freon 114	50.000	49.158	98.32	70-130
8 Chloromethane	50.000	44.968	89.94	70-130
11 Vinyl Chloride	50.000	47.048	94.10	70-130
10 1,3-Butadiene	50.000	47.947	95.89	60-140
13 Bromomethane	50.000	48.273	96.55	70-130
16 Chloroethane	50.000	46.995	93.99	70-130
18 Trichlorofluoromet	50.000	47.683	95.37	70-130
23 Ethanol	50.000	45.711	91.42	60-140
28 Freon 113	50.000	46.759	93.52	70-130
29 1,1-Dichloroethene	50.000	46.857	93.71	70-130
30 Acetone	50.000	48.690	97.38	60-140
33 Carbon Disulfide	50.000	46.755	93.51	60-140
34 2-Propanol	50.000	47.894	95.79	60-140
40 Methylene Chloride	50.000	46.901	93.80	70-130
43 MTBE	50.000	41.879	83.76	60-140
45 trans-1,2-Dichloro	50.000	45.696	91.39	60-140
46 Hexane	50.000	47.095	94.19	60-140
54 1,1-Dichloroethane	50.000	47.588	95.18	70-130
55 Vinyl Acetate	50.000	48.055	96.11	60-140
64 cis-1,2-Dichloroet	50.000	48.260	96.52	70-130
65 2-Butanone	50.000	47.564	95.13	60-140
67 Tetrahydrofuran	50.000	46.543	93.09	60-140
70 Chloroform	50.000	43.237	86.47	70-130
73 Cyclohexane	50.000	45.377	90.75	60-140
75 1,1,1-Trichloroeth	50.000	48.136	96.27	70-130
77 Carbon Tetrachlori	50.000	47.908	95.82	70-130
81 Benzene	50.000	46.457	92.91	70-130
83 1,2-Dichloroethane	50.000	47.690	95.38	70-130
85 Heptane	50.000	46.528	93.06	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	47.518	95.04	70-130
97 1,2-Dichloropropan	50.000	47.537	95.07	70-130
98 1,4-Dioxane	50.000	46.839	93.68	60-140
100 Bromodichlorometha	50.000	47.827	95.65	60-140
102 cis-1,3-Dichloropr	50.000	49.282	98.56	70-130
103 4-Methyl-2-pentano	50.000	43.710	87.42	60-140
105 Toluene	50.000	48.238	96.48	70-130
110 1,1,2-Trichloroeth	50.000	50.196	100.39	70-130
112 Tetrachloroethene	50.000	47.644	95.29	70-130
114 2-Hexanone	50.000	46.641	93.28	60-140
116 Dibromochlorometha	50.000	47.809	95.62	60-140
117 1,2-Dibromoethane	50.000	47.658	95.32	70-130
126 Chlorobenzene	50.000	48.486	96.97	70-130
129 Ethyl Benzene	50.000	49.250	98.50	70-130
130 m,p-Xylene	50.000	48.072	96.14	70-130
132 o-Xylene	50.000	46.954	93.91	70-130
135 Bromoform	50.000	49.771	99.54	60-140
144 1,1,2,2-Tetrachlor	50.000	48.195	96.39	70-130
147 4-Ethyltoluene	50.000	53.377	106.75	60-140
148 1,3,5-Trimethylben	50.000	49.759	99.52	70-130
153 1,2,4-Trimethylben	50.000	48.297	96.59	70-130
156 1,3-Dichlorobenzen	50.000	49.873	99.75	70-130
157 1,4-Dichlorobenzen	50.000	46.508	93.02	70-130
158 alpha-Chlorotoluen	50.000	47.284	94.57	70-130
161 1,2-Dichlorobenzen	50.000	44.405	88.81	70-130
167 1,2,4-Trichloroben	50.000	45.802	91.60	70-130
168 Hexachlorobutadien	50.000	45.921	91.84	70-130
137 Cumene	50.000	49.957	99.91	60-140
145 Propylbenzene	50.000	52.340	104.68	60-140
37 3-Chloropropene	50.000	53.270	106.54	60-140
80 2,2,4-Trimethylpen	50.000	48.082	96.16	60-140
169 Naphthalene	50.000	41.556	83.11	60-140
9 Butane	50.000	44.982	89.96	70-130
15 Isopentane	50.000	46.808	93.62	70-130
95 Methyl Cyclohexane	50.000	47.937	95.87	70-130

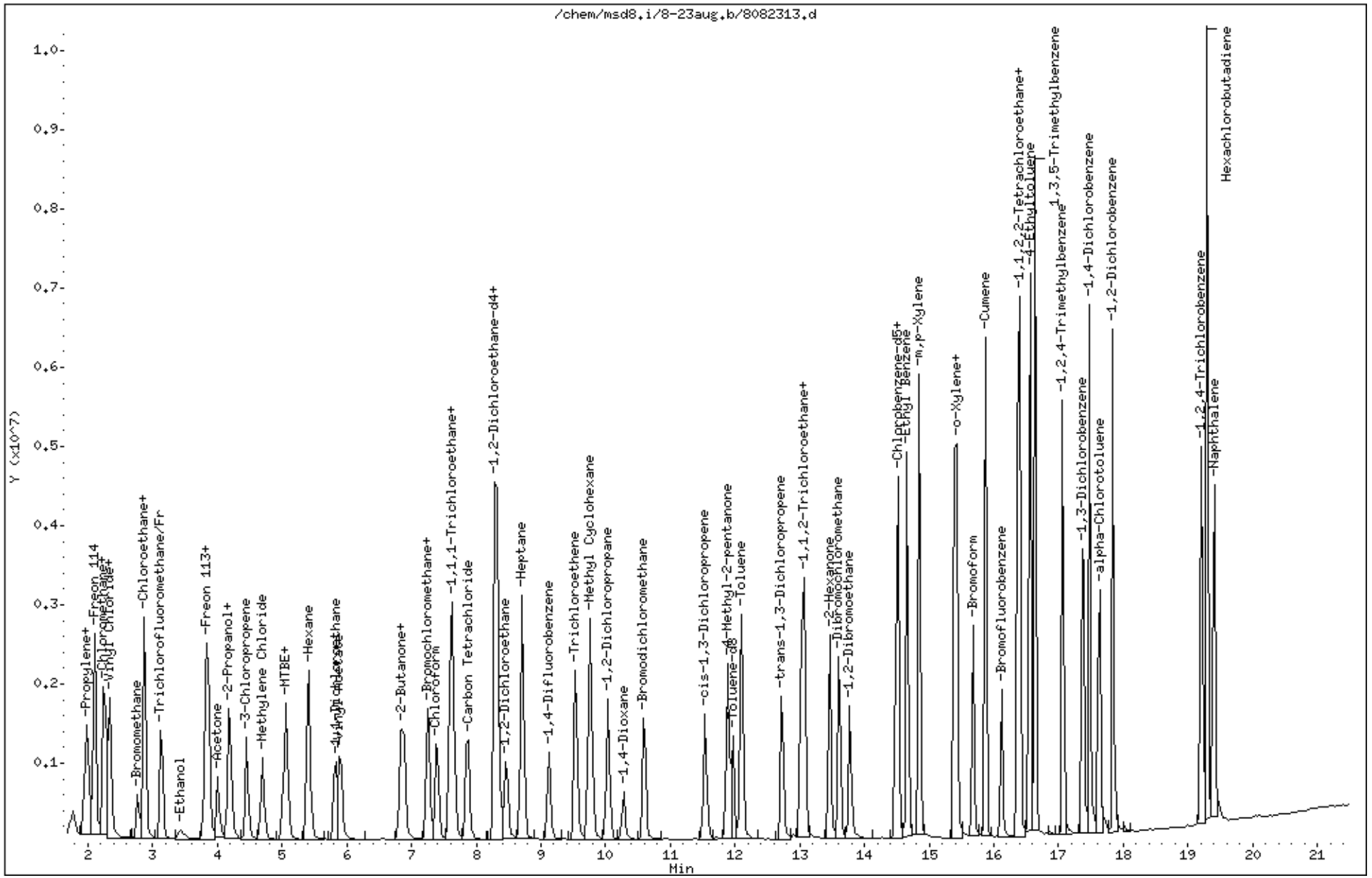
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.582	98.33	70-130
$ 104 Toluene-d8	25.000	25.446	101.79	70-130
$ 140 Bromofluorobenzene	25.000	26.050	104.20	70-130

0074

Data File: /chem/msd8.i/8-23aug.b/8082313.d
Date : 23-AUG-2007 22:48
Client ID: LCS
Sample Info: 100ml #1443-165A

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

Column phase: RTx-624



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AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082302.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 23-AUG-2007 16:21
Operator : lmr Inst ID: msd8.i
Smp Info : 0.2mL #1443-266
Misc Info : 0.2ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 21:45 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 16:21 Cal File: 8082302.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.297	7.297 (1.000)	130	536567	25.0000		70.00- 130.00	100.00
7.297	7.297 (1.000)	128	405834			46.13- 106.13	75.64
7.270	7.270 (1.000)	49	846219			126.06- 186.06	157.71
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.150	9.150 (1.000)	114	2367782	25.0000		70.00- 130.00	100.00
9.150	9.150 (1.000)	88	350491			0.00- 44.25	14.80
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1929410	25.0000		70.00- 130.00	100.00
14.486	14.486 (1.000)	82	961799			0.00- 30.00	49.85
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.348	8.348 (1.144)	65	566790	25.0000	24.522	70.00- 130.00	100.00
8.348	8.348 (1.144)	67	326462			0.00- 30.00	57.60
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.308)	98	2093345	25.0000	24.408	70.00- 130.00	100.00
11.970	11.970 (1.308)	70	189905			0.00- 30.00	9.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1436660			0.00- 30.00	68.63
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	807151	25.0000	23.766	70.00- 130.00	100.00
16.118	16.118 (1.113)	95	1209450			110.99- 170.99	149.84
16.118	16.118 (1.113)	176	772888			66.16- 126.16	95.76
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.015)	83	15626	0.20000	0.2525	70.00- 130.00	100.00(a)
7.408	7.408 (1.015)	85	11340			35.44- 95.44	72.57
81 Benzene					CAS #: 71-43-2		
8.321	8.321 (0.909)	78	26535	0.20000	0.2399	70.00- 130.00	100.00(a)
8.321	8.321 (0.909)	77	8125			0.00- 30.00	30.62
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	24060	0.20000	0.2294	70.00- 130.00	100.00(a)
15.426	15.426 (1.065)	78	9303			10.74- 70.74	38.67
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	38696	0.20000	0.2220	70.00- 130.00	100.00(a)
15.896	15.896 (1.097)	120	12648			0.00- 30.00	32.69
15.869	15.869 (1.095)	51	8752			0.00- 30.00	22.62

QC Flag Legend

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

Report Date: 23-Aug-2007 21:45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082302.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 0.2ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	536567	19.53
88 1,4-Difluorobenze	1960621	1176373	2744869	2367782	20.77
125 Chlorobenzene-d5	1588341	953005	2223677	1929410	21.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.30	0.38
88 1,4-Difluorobenze	9.12	8.79	9.45	9.15	0.30
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	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.

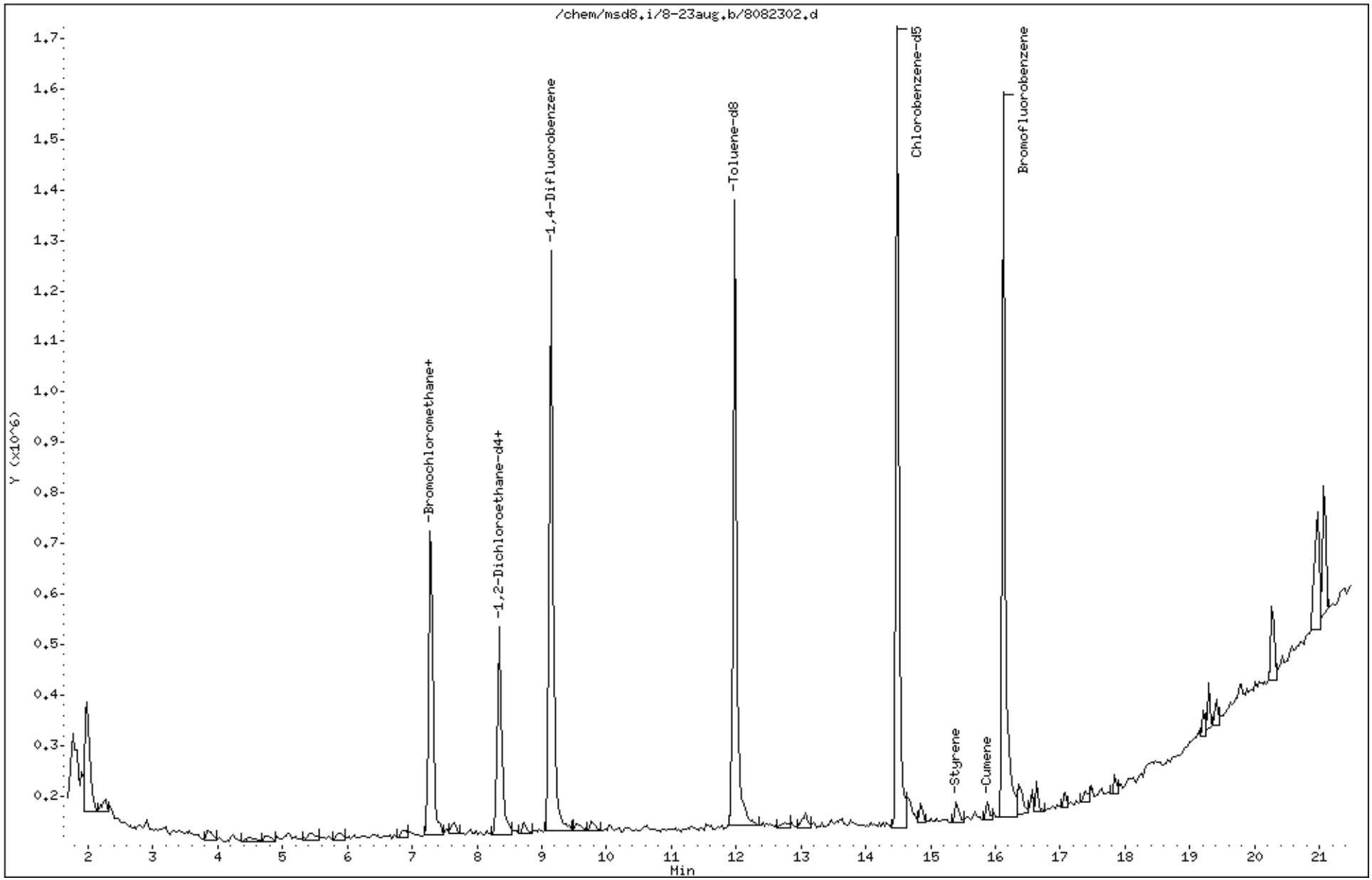
0078

Data File: /chem/msd8.i/8-23aug.b/8082302.d
Date : 23-AUG-2007 16:21
Client ID: Level 1
Sample Info: 0.2mL #1443-266

Column phase: RTx-624

Instrument: msd8.i

Operator: lmr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082311.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 23-AUG-2007 21:33
Operator : lmr Inst ID: msd8.i
Smp Info : 0.5mL #1443-266
Misc Info : 0.5ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 21:45 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 21:33 Cal File: 8082311.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04Low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	446471	25.0000		70.00- 130.00	100.00
7.270	7.270 (1.000)	128	342489			46.13- 106.13	76.71
7.270	7.270 (1.000)	49	730632			126.06- 186.06	163.65
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.122	9.122 (1.000)	114	1968624	25.0000		70.00- 130.00	100.00
9.122	9.122 (1.000)	88	289414			0.00- 44.25	14.70
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1597949	25.0000		70.00- 130.00	100.00
14.486	14.486 (1.000)	82	791667			0.00- 30.00	49.54
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.320	8.320 (1.145)	65	482876	25.0000	25.072	70.00- 130.00	100.00
8.320	8.320 (1.145)	67	262356			0.00- 30.00	54.33
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.312)	98	1757867	25.0000	24.767	70.00- 130.00	100.00
11.970	11.970 (1.312)	70	155486			0.00- 30.00	8.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1203626			0.00- 30.00	68.47
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	670517	25.0000	24.213	70.00- 130.00	100.00
16.118	16.118 (1.113)	95	1025504			110.99- 170.99	152.94
16.118	16.118 (1.113)	176	655334			66.16- 126.16	97.74
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	28967	0.50000	0.6048	70.00- 130.00	100.00
1.989	1.989 (0.274)	87	8636			0.00- 30.00	29.81
6 Freon 114					CAS #: 76-14-2		
2.127	2.127 (0.293)	135	18122	0.50000	0.5135	70.00- 130.00	100.00
2.155	2.155 (0.296)	137	6690			1.61- 61.61	36.92
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	14219	0.50000	0.5506	70.00- 130.00	100.00
2.348	2.348 (0.323)	64	4910			0.00- 30.00	34.53
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	9878	0.50000	0.5088	70.00- 130.00	100.00
2.321	2.321 (0.319)	39	22144			0.00- 30.00	224.17
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	9846	0.50000	0.5289	70.00- 130.00	100.00
2.763	2.763 (0.380)	96	12256			60.69- 120.69	124.48
16 Chloroethane					CAS #: 75-00-3		
2.901	2.901 (0.399)	64	7626	0.50000	0.5583	70.00- 130.00	100.00
2.901	2.901 (0.399)	49	3550			0.00- 30.00	46.55
2.901	2.901 (0.399)	66	2803			0.00- 30.00	36.76
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.150	3.150 (0.433)	101	24143	0.50000	0.5321	70.00- 130.00	100.00
3.150	3.150 (0.433)	103	18181			35.07- 95.07	75.31
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	19004	0.50000	0.5679	70.00- 130.00	100.00
3.841	3.841 (0.528)	153	11510			33.90- 93.90	60.57
3.814	3.814 (0.525)	101	23119			101.46- 161.46	121.65
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	19848	0.50000	0.5559	70.00- 130.00	100.00
3.869	3.869 (0.532)	96	16945			31.27- 91.27	85.37
3.869	3.869 (0.532)	98	8723			8.98- 68.98	43.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Carbon Disulfide					CAS #: 75-15-0		
4.201	4.201 (0.578)	76	36914	0.50000	0.5515	70.00- 130.00	100.00
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.698 (0.646)	49	15811	0.50000	0.5478	70.00- 130.00	100.00
4.726	4.726 (0.650)	84	14311			37.63- 97.63	90.51
4.698	4.698 (0.646)	51	8378			0.00- 30.00	52.99
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	19926	0.50000	0.6367	70.00- 130.00	100.00
5.030	5.030 (0.692)	57	6604			0.00- 57.54	33.14
5.030	5.030 (0.692)	41	12319			0.00- 30.00	61.82
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.085	5.085 (0.700)	96	16037	0.50000	0.5845	70.00- 130.00	100.00
5.058	5.058 (0.696)	61	20223			121.91- 181.91	126.10
5.085	5.085 (0.700)	98	12454			0.00- 30.00	77.66
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	27134	0.50000	0.5500	70.00- 130.00	100.00
5.417	5.417 (0.745)	43	21462			0.00- 30.00	79.10
5.417	5.417 (0.745)	86	5919			0.00- 30.00	21.81
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	24753	0.50000	0.5436	70.00- 130.00	100.00
5.832	5.832 (0.802)	65	9670			0.00- 59.86	39.07
65 2-Butanone					CAS #: 78-93-3		
6.910	6.910 (0.951)	72	7181	0.50000	0.5506	70.00- 130.00	100.00
6.910	6.910 (0.951)	43	34605			442.32- 502.32	481.90
6.938	6.938 (0.954)	57	3701			0.00- 30.00	51.54
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	19189	0.50000	0.5460	70.00- 130.00	100.00
6.855	6.855 (0.943)	96	18126			43.76- 103.76	94.46
6.855	6.855 (0.943)	98	11815			17.82- 77.82	61.57
67 Tetrahydrofuran					CAS #: 109-99-9		
7.270	7.270 (1.000)	42	23076	0.50000	0.5724	70.00- 130.00	100.00
7.297	7.297 (1.004)	71	8596			0.02- 60.02	37.25
7.270	7.270 (1.000)	72	10140			0.00- 30.00	43.94
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	25525	0.50000	0.4971	70.00- 130.00	100.00(a)
7.408	7.408 (1.019)	85	16779			35.44- 95.44	65.74

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.657	7.657 (1.053)	97	22758	0.50000	0.5581	70.00- 130.00	100.00
7.629	7.629 (1.049)	99	14313			35.50- 95.50	62.89
73 Cyclohexane					CAS #: 110-82-7		
7.602	7.602 (1.046)	84	24077	0.50000	0.5762	70.00- 130.00	100.00
7.602	7.602 (1.046)	56	29098			100.05- 160.05	120.85
7.602	7.602 (1.046)	41	19461			42.52- 102.52	80.83
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	21877	0.50000	0.5592	70.00- 130.00	100.00
7.878	7.878 (1.084)	117	20878			74.76- 134.76	95.43
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	41088	0.50000	0.4632	70.00- 130.00	100.00(a)
8.293	8.293 (0.909)	77	13525			0.00- 30.00	32.92
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.459 (0.927)	62	15632	0.50000	0.5411	70.00- 130.00	100.00
8.486	8.486 (0.930)	64	7055			0.00- 30.00	45.13
85 Heptane					CAS #: 142-82-5		
8.708	8.708 (0.955)	100	6173	0.50000	0.5721	70.00- 130.00	100.00
8.708	8.708 (0.955)	43	35607			0.00- 30.00	576.82
8.735	8.735 (0.958)	71	16523			0.00- 30.00	267.67
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	20526	0.50000	0.5807	70.00- 130.00	100.00
9.537	9.537 (1.045)	130	18718			75.94- 135.94	91.19
9.537	9.537 (1.045)	97	12756			32.72- 92.72	62.15
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	17570	0.50000	0.5610	70.00- 130.00	100.00
10.035	10.035 (1.100)	62	12815			41.42- 101.42	72.94
10.035	10.035 (1.100)	41	10576			28.00- 88.00	60.19
100 Bromodichloromethane					CAS #: 75-27-4		
10.615	10.615 (1.164)	83	26006	0.50000	0.5656	70.00- 130.00	100.00
10.615	10.615 (1.164)	85	18153			34.69- 94.69	69.80
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.555	11.555 (1.267)	75	19712	0.50000	0.5164	70.00- 130.00	100.00
11.528	11.528 (1.264)	77	8490			1.96- 61.96	43.07
11.528	11.528 (1.264)	39	18745			25.45- 85.45	95.09
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	16450	0.50000	0.5810	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 4-Methyl-2-pentanone (continued)							
11.887	11.887 (1.303)	43	42347			0.00- 30.00	257.43
11.887	11.887 (1.303)	85	6760			0.00- 30.00	41.09
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	49402	0.50000	0.5419	70.00- 130.00	100.00
12.108	12.108 (1.327)	92	34698			30.20- 90.20	70.24
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.744	12.744 (0.880)	75	19848	0.50000	0.5269	70.00- 130.00	100.00
12.744	12.744 (0.880)	77	5979			1.26- 61.26	30.12
12.717	12.717 (0.878)	39	13573			27.22- 87.22	68.38
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	12434	0.50000	0.4745	70.00- 130.00	100.00(a)
13.021	13.021 (0.899)	99	10193			32.87- 92.87	81.98
13.021	13.021 (0.899)	83	16956			55.53- 115.53	136.37
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	20949	0.50000	0.5498	70.00- 130.00	100.00
13.076	13.076 (0.903)	129	16047			51.23- 111.23	76.60
13.076	13.076 (0.903)	131	17071			47.48- 107.48	81.49
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	17421	0.50000	0.5349	70.00- 130.00	100.00
13.463	13.463 (0.929)	43	29112			162.00- 222.00	167.11
13.463	13.463 (0.929)	100	5079			0.00- 30.00	29.15
116 Dibromochloromethane					CAS #: 124-48-1		
13.602	13.602 (0.939)	129	26510	0.50000	0.5687	70.00- 130.00	100.00
13.602	13.602 (0.939)	127	19912			0.00- 30.00	75.11
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.795	13.795 (0.952)	107	30518	0.50000	0.5814	70.00- 130.00	100.00
13.795	13.795 (0.952)	109	26616			65.34- 125.34	87.21
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	44835	0.50000	0.5511	70.00- 130.00	100.00
14.514	14.514 (1.002)	114	11870			0.74- 60.74	26.47
14.514	14.514 (1.002)	77	31434			21.12- 81.12	70.11
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	21984	0.50000	0.5315	70.00- 130.00	100.00
14.652	14.652 (1.011)	91	66496			0.00- 30.00	302.47
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	31723	0.50000	0.5591	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
14.846	14.846 (1.025)	91	56887			0.00- 30.00	179.32
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	30495	0.50000	0.5691	70.00- 130.00	100.00
15.399	15.399 (1.063)	91	50168			162.01- 222.01	164.51
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	37016	0.50000	0.4482	70.00- 130.00	100.00(a)
15.426	15.426 (1.065)	78	14395			10.74- 70.74	38.89
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	18859	0.50000	0.5102	70.00- 130.00	100.00
15.675	15.675 (1.082)	171	10017			21.03- 81.03	53.12
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	39771	0.50000	0.5467	70.00- 130.00	100.00
16.366	16.366 (1.130)	85	27658			34.08- 94.08	69.54
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	66637	0.50000	0.4925	70.00- 130.00	100.00(a)
16.560	16.560 (1.143)	120	20228			1.66- 61.66	30.36
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	76936	0.50000	0.5481	70.00- 130.00	100.00
16.643	16.643 (1.149)	120	41502			0.00- 30.00	53.94
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	56389	0.50000	0.5241	70.00- 130.00	100.00
17.085	17.085 (1.179)	120	29784			18.19- 78.19	52.82
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.390	17.390 (1.200)	146	36665	0.50000	0.5342	70.00- 130.00	100.00
17.390	17.390 (1.200)	148	21774			0.00- 30.00	59.39
17.390	17.390 (1.200)	111	14038			0.00- 30.00	38.29
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	52344	0.50000	0.5597	70.00- 130.00	100.00
17.472	17.472 (1.206)	148	29190			0.00- 30.00	55.77
17.472	17.472 (1.206)	111	18058			0.00- 30.00	34.50
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	50266	0.50000	0.5435	70.00- 130.00	100.00
17.638	17.638 (1.218)	126	12575			0.00- 30.00	25.02
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	50789	0.50000	0.6046	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
17.832	17.832 (1.231)	148	26055			31.63- 91.63	51.30
17.832	17.832 (1.231)	111	16954			16.49- 76.49	33.38
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	66522	0.50000	0.4732	70.00- 130.00	100.00(a)
15.869	15.869 (1.095)	120	23592			0.00- 30.00	35.46
15.869	15.869 (1.095)	51	7274			0.00- 30.00	10.93
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	79734	0.50000	0.5069	70.00- 130.00	100.00
16.394	16.394 (1.132)	120	20840			0.00- 30.00	26.14
16.394	16.394 (1.132)	105	4310			0.00- 30.00	5.41
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	78596	0.50000	0.5278	70.00- 130.00	100.00
8.320	8.320 (1.145)	56	22771			0.00- 30.00	28.97
8.320	8.320 (1.145)	41	22574			0.00- 30.00	28.72
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	29246	0.50000	0.5485	70.00- 130.00	100.00
9.758	9.758 (1.342)	98	15260			0.00- 30.00	52.18
9.758	9.758 (1.342)	55	25879			0.00- 30.00	88.49

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082311.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 0.5ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	446471	-0.54
88 1,4-Difluorobenze	1960621	1176373	2744869	1968624	0.41
125 Chlorobenzene-d5	1588341	953005	2223677	1597949	0.60

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

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

Data File: /chem/msd8.i/8-23aug.b/8082311.d

Date : 23-AUG-2007 21:33

Client ID: Level 2

Sample Info: 0.5mL #1443-266

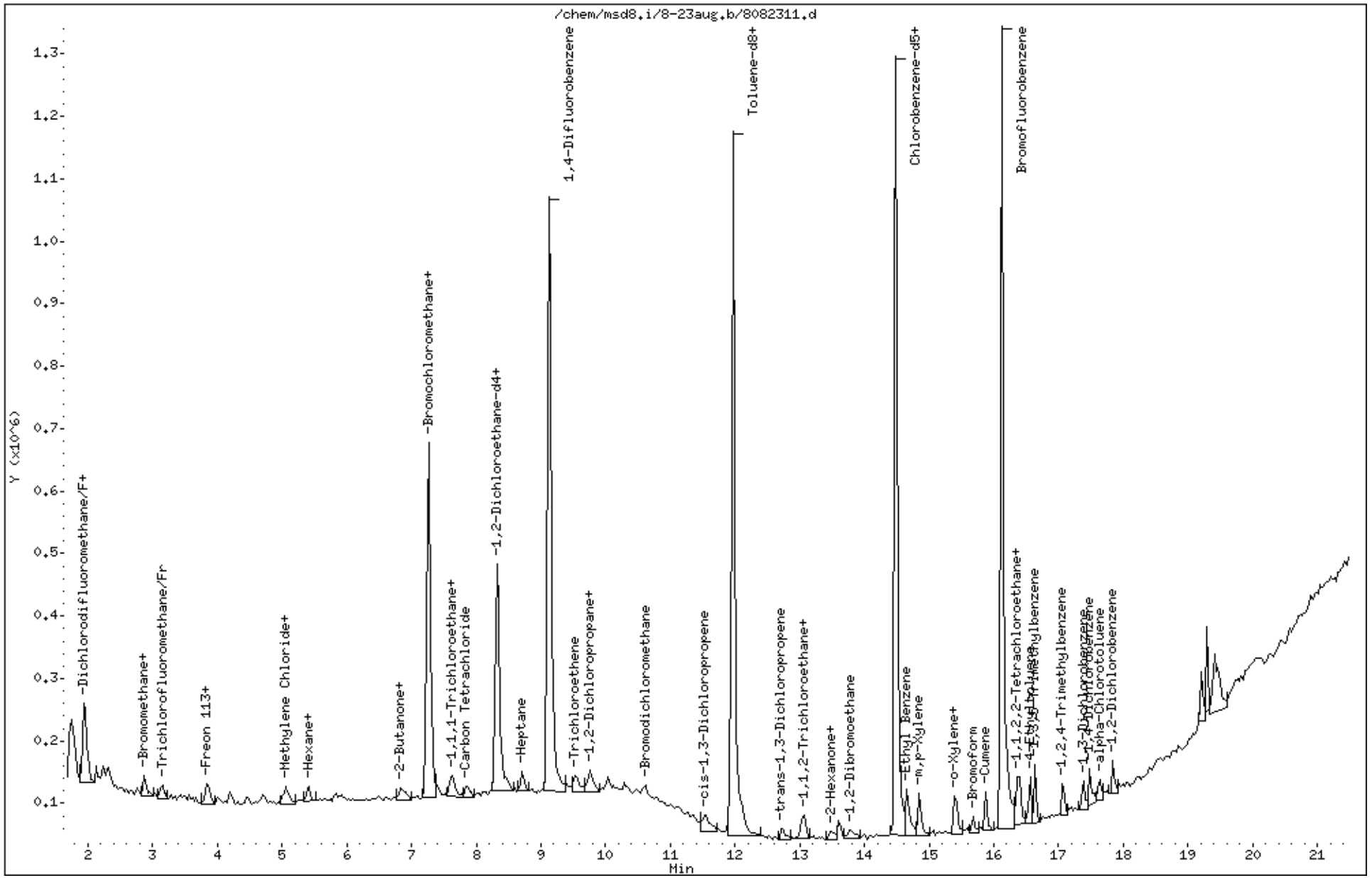
Column phase: RTx-624

Instrument: msd8.i

Operator: lmr

Column diameter: 0.53

0087



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082304.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 23-AUG-2007 17:18
Operator : lmr Inst ID: msd8.i
Smp Info : 2.0mL #1443-266
Misc Info : 2.0ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 23:09 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 17:18 Cal File: 8082304.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.270	7.270 (1.000)	130	429690	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	349075			46.13- 106.13	81.24
7.270	7.242 (1.000)	49	720793			126.06- 186.06	167.75
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.150	9.122 (1.000)	114	1963538	25.0000		80.00- 120.00	100.00
9.122	9.122 (1.000)	88	288945			0.00- 44.25	14.72
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.486	14.486 (1.000)	117	1640207	25.0000		80.00- 120.00	100.00
14.486	14.459 (1.000)	82	817490			0.00- 30.00	49.84
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.320	8.320 (1.145)	65	487064	25.0000	25.946	80.00- 120.00	100.00
8.320	8.320 (1.145)	67	264113			0.00- 30.00	54.23
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.970	11.970 (1.308)	98	1793197	25.0000	25.247	80.00- 120.00	100.00
11.970	11.970 (1.308)	70	155389			0.00- 30.00	8.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1207519			0.00- 30.00	67.34
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	703638	25.0000	24.816	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1028103			110.99- 170.99	146.11
16.118	16.118 (1.113)	176	685598			66.16- 126.16	97.44
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	56055	2.00000	2.427	80.00- 120.00	100.00
1.961	1.961 (0.270)	42	35116			0.00- 30.00	62.65
1.961	1.961 (0.270)	39	37239			0.00- 30.00	66.43
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.016	1.989 (0.277)	85	102156	2.00000	2.139	80.00- 120.00	100.00
2.016	1.989 (0.277)	87	35201			0.00- 30.00	34.46
6 Freon 114					CAS #: 76-14-2		
2.155	2.099 (0.296)	135	92388	2.00000	2.428	80.00- 120.00	100.00
2.155	2.099 (0.296)	137	29321			1.61- 61.61	31.74
8 Chloromethane					CAS #: 74-87-3		
2.265	2.238 (0.312)	50	66909	2.00000	2.402	80.00- 120.00	100.00
2.265	2.210 (0.312)	52	15256			0.00- 30.00	22.80
9 Butane					CAS #: 106-97-8		
2.321	2.265 (0.319)	58	17960	2.00000	2.564	80.00- 120.00	100.00
2.321	2.265 (0.319)	43	113913			0.00- 30.00	634.26
11 Vinyl Chloride					CAS #: 75-01-4		
2.376	2.348 (0.327)	62	60101	2.00000	2.261	80.00- 120.00	100.00
2.376	2.348 (0.327)	64	18960			0.00- 30.00	31.55
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	48236	2.00000	2.353	80.00- 120.00	100.00
2.348	2.348 (0.323)	39	72715			0.00- 30.00	150.75
13 Bromomethane					CAS #: 74-83-9		
2.791	2.763 (0.384)	94	45199	2.00000	2.320	80.00- 120.00	100.00
2.763	2.763 (0.380)	96	35218			60.69- 120.69	77.92
16 Chloroethane					CAS #: 75-00-3		
2.901	2.873 (0.399)	64	32848	2.00000	2.307	80.00- 120.00	100.00
2.874	2.873 (0.395)	49	7905			0.00- 30.00	24.07
2.901	2.873 (0.399)	66	10181			0.00- 30.00	30.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.874	2.873 (0.395)	43	96922	2.00000	2.368	80.00- 120.00	100.00
2.874	2.873 (0.395)	57	57024			0.00- 30.00	58.83
2.874	2.873 (0.395)	72	7488			0.00- 30.00	7.73
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.150	3.122 (0.433)	101	108092	2.00000	2.294	80.00- 120.00	100.00
3.150	3.122 (0.433)	103	74633			35.07- 95.07	69.05
23 Ethanol					CAS #: 64-17-5		
3.427	3.426 (0.471)	45	21377	2.00000	2.335	80.00- 120.00	100.00
3.454	3.426 (0.475)	43	7604			0.00- 30.00	35.57
3.427	3.426 (0.471)	46	10175			0.00- 30.00	47.60
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	76723	2.00000	2.240	80.00- 120.00	100.00
3.841	3.841 (0.528)	153	49113			33.90- 93.90	64.01
3.841	3.814 (0.528)	101	97096			101.46- 161.46	126.55
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	89368	2.00000	2.364	80.00- 120.00	100.00
3.897	3.869 (0.536)	96	51517			31.27- 91.27	57.65
3.897	3.869 (0.536)	98	39898			8.98- 68.98	44.64
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	32318	2.00000	2.391	80.00- 120.00	100.00
4.035	4.007 (0.555)	43	91347			0.00- 30.00	282.65
33 Carbon Disulfide					CAS #: 75-15-0		
4.201	4.173 (0.578)	76	159070	2.00000	2.290	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	98790	2.00000	2.172	80.00- 120.00	100.00
4.201	4.201 (0.578)	43	25167			0.00- 30.00	25.48
4.201	4.201 (0.578)	59	4354			0.00- 30.00	4.41
37 3-Chloropropene					CAS #: 107-05-1		
4.477	4.449 (0.616)	76	19219	2.00000	1.995	80.00- 120.00	100.00(a)
4.477	4.449 (0.616)	41	67547			0.00- 30.00	351.46
40 Methylene Chloride					CAS #: 75-09-2		
4.726	4.698 (0.650)	49	70180	2.00000	2.323	80.00- 120.00	100.00
4.726	4.698 (0.650)	84	54000			37.63- 97.63	76.94
4.726	4.698 (0.650)	51	22925			0.00- 30.00	32.67
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	45519	2.00000	1.645	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.030	5.030 (0.692)	57	13854			0.00- 57.54	30.44
5.030	5.030 (0.692)	41	16708			0.00- 30.00	36.71
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.085	5.058 (0.700)	96	62550	2.00000	2.232	80.00- 120.00	100.00
5.085	5.058 (0.700)	61	87538			121.91- 181.91	139.95
5.085	5.058 (0.700)	98	40992			0.00- 30.00	65.53
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	115169	2.00000	2.265	80.00- 120.00	100.00
5.417	5.417 (0.745)	43	80655			0.00- 30.00	70.03
5.417	5.417 (0.745)	86	15808			0.00- 30.00	13.73
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	104107	2.00000	2.236	80.00- 120.00	100.00
5.832	5.832 (0.802)	65	30816			0.00- 59.86	29.60
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	13671	2.00000	2.180	80.00- 120.00	100.00
5.915	5.915 (0.814)	43	143242			0.00- 30.00	1047.78
5.915	5.915 (0.814)	42	10688			0.00- 30.00	78.18
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.855	6.827 (0.943)	61	77292	2.00000	2.181	80.00- 120.00	100.00
6.855	6.827 (0.943)	96	60870			43.76- 103.76	78.75
6.855	6.827 (0.943)	98	39954			17.82- 77.82	51.69
65 2-Butanone					CAS #: 78-93-3		
6.910	6.883 (0.951)	72	27965	2.00000	2.146	80.00- 120.00	100.00
6.910	6.883 (0.951)	43	130311			442.32- 502.32	465.98
6.910	6.883 (0.951)	57	9820			0.00- 30.00	35.12
67 Tetrahydrofuran					CAS #: 109-99-9		
7.270	7.242 (1.000)	42	81989	2.00000	2.074	80.00- 120.00	100.00
7.270	7.242 (1.000)	71	27763			0.02- 60.02	33.86
7.270	7.242 (1.000)	72	31953			0.00- 30.00	38.97
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	102959	2.00000	2.062	80.00- 120.00	100.00
7.408	7.408 (1.019)	85	64595			35.44- 95.44	62.74
73 Cyclohexane					CAS #: 110-82-7		
7.629	7.601 (1.049)	84	95961	2.00000	2.242	80.00- 120.00	100.00
7.629	7.601 (1.049)	56	118090			100.05- 160.05	123.06
7.602	7.601 (1.046)	41	68120			42.52- 102.52	70.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.657	7.629 (1.053)	97	87578	2.00000	2.148	80.00- 120.00	100.00
7.657	7.629 (1.053)	99	59043			35.50- 95.50	67.42
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	84527	2.00000	2.157	80.00- 120.00	100.00
7.878	7.878 (1.084)	117	84182			74.76- 134.76	99.59
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.906)	78	184936	2.00000	2.067	80.00- 120.00	100.00
8.293	8.293 (0.906)	77	46211			0.00- 30.00	24.99
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	344834	2.00000	2.254	80.00- 120.00	100.00
8.320	8.320 (1.145)	56	112285			0.00- 30.00	32.56
8.320	8.320 (1.145)	41	89923			0.00- 30.00	26.08
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.486	8.459 (0.927)	62	69342	2.00000	2.254	80.00- 120.00	100.00
8.486	8.459 (0.927)	64	22630			0.00- 30.00	32.64
85 Heptane					CAS #: 142-82-5		
8.708	8.707 (0.952)	100	23089	2.00000	2.095	80.00- 120.00	100.00
8.708	8.707 (0.952)	43	139777			0.00- 30.00	605.38
8.708	8.707 (0.952)	71	75806			0.00- 30.00	328.32
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.042)	95	74726	2.00000	2.078	80.00- 120.00	100.00
9.537	9.537 (1.042)	130	81803			75.94- 135.94	109.47
9.537	9.537 (1.042)	97	49250			32.72- 92.72	65.91
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	125477	2.00000	2.276	80.00- 120.00	100.00
9.758	9.758 (1.342)	98	63048			0.00- 30.00	50.25
9.758	9.758 (1.342)	55	103238			0.00- 30.00	82.28
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.097)	63	73581	2.00000	2.224	80.00- 120.00	100.00
10.035	10.035 (1.097)	62	51812			41.42- 101.42	70.41
10.035	10.035 (1.097)	41	43831			28.00- 88.00	59.57
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.124)	88	44746	2.00000	2.232	80.00- 120.00	100.00
10.284	10.284 (1.124)	58	32627			43.34- 103.34	72.92
10.284	10.284 (1.124)	57	9766			0.00- 30.00	21.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.615	10.588 (1.160)	83	96540	2.00000	2.069	80.00- 120.00	100.00
10.588	10.588 (1.157)	85	66842			34.69- 94.69	69.24
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.555	11.528 (1.263)	75	94596	2.00000	2.299	80.00- 120.00	100.00
11.528	11.528 (1.260)	77	30326			1.96- 61.96	32.06
11.528	11.528 (1.260)	39	47452			25.45- 85.45	50.16
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.299)	58	72152	2.00000	2.338	80.00- 120.00	100.00
11.887	11.887 (1.299)	43	155221			0.00- 30.00	215.13
11.887	11.887 (1.299)	85	26875			0.00- 30.00	37.25
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.323)	91	210915	2.00000	2.202	80.00- 120.00	100.00
12.108	12.108 (1.323)	92	128505			30.20- 90.20	60.93
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	87767	2.00000	2.172	80.00- 120.00	100.00
12.717	12.717 (0.878)	77	26371			1.26- 61.26	30.05
12.717	12.717 (0.878)	39	50833			27.22- 87.22	57.92
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	70128	2.00000	2.368	80.00- 120.00	100.00
13.021	13.021 (0.899)	99	44328			32.87- 92.87	63.21
13.021	13.021 (0.899)	83	64394			55.53- 115.53	91.82
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	90992	2.00000	2.206	80.00- 120.00	100.00
13.076	13.076 (0.903)	129	66637			51.23- 111.23	73.23
13.076	13.076 (0.903)	131	69094			47.48- 107.48	75.93
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	71793	2.00000	2.071	80.00- 120.00	100.00
13.463	13.463 (0.929)	43	137408			162.00- 222.00	191.39
13.463	13.463 (0.929)	100	16109			0.00- 30.00	22.44
116 Dibromochloromethane					CAS #: 124-48-1		
13.602	13.601 (0.939)	129	98650	2.00000	2.041	80.00- 120.00	100.00
13.602	13.601 (0.939)	127	70797			0.00- 30.00	71.77
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	106584	2.00000	1.985	80.00- 120.00	100.00
13.767	13.767 (0.950)	109	103735			65.34- 125.34	97.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	184540	2.00000	2.135	80.00- 120.00	100.00
14.514	14.514 (1.002)	114	60890			0.74- 60.74	33.00
14.514	14.514 (1.002)	77	102871			21.12- 81.12	55.74
129 Ethyl Benzene					CAS #: 100-41-4		
14.680	14.652 (1.013)	106	91160	2.00000	2.096	80.00- 120.00	100.00
14.652	14.652 (1.011)	91	271145			0.00- 30.00	297.44
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	123543	2.00000	2.079	80.00- 120.00	100.00
14.846	14.846 (1.025)	91	241146			0.00- 30.00	195.19
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	115592	2.00000	2.066	80.00- 120.00	100.00
15.399	15.399 (1.063)	91	219525			162.01- 222.01	189.91
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	179934	2.00000	2.090	80.00- 120.00	100.00
15.426	15.426 (1.065)	78	72404			10.74- 70.74	40.24
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	84710	2.00000	2.149	80.00- 120.00	100.00
15.675	15.675 (1.082)	171	43332			21.03- 81.03	51.15
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	306868	2.00000	2.093	80.00- 120.00	100.00
15.869	15.869 (1.095)	120	94466			0.00- 30.00	30.78
15.869	15.869 (1.095)	51	31272			0.00- 30.00	10.19
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	162064	2.00000	2.110	80.00- 120.00	100.00
16.366	16.366 (1.130)	85	109945			34.08- 94.08	67.84
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	360495	2.00000	2.149	80.00- 120.00	100.00
16.394	16.394 (1.132)	120	88165			0.00- 30.00	24.46
16.394	16.394 (1.132)	105	13940			0.00- 30.00	3.87
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	296469	2.00000	2.088	80.00- 120.00	100.00
16.560	16.560 (1.143)	120	104953			1.66- 61.66	35.40
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	315910	2.00000	2.124	80.00- 120.00	100.00
16.643	16.643 (1.149)	120	156337			0.00- 30.00	49.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	251909	2.00000	2.179	80.00- 120.00	100.00
17.058	17.058 (1.178)	120	126239			18.19- 78.19	50.11
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.390	17.389 (1.200)	146	155795	2.00000	2.136	80.00- 120.00	100.00
17.390	17.389 (1.200)	148	105749			0.00- 30.00	67.88
17.390	17.362 (1.200)	111	71536			0.00- 30.00	45.92
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	232246	2.00000	2.261	80.00- 120.00	100.00
17.472	17.472 (1.206)	148	141063			0.00- 30.00	60.74
17.472	17.472 (1.206)	111	93215			0.00- 30.00	40.14
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	211207	2.00000	2.144	80.00- 120.00	100.00
17.638	17.638 (1.218)	126	51067			0.00- 30.00	24.18
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	185084	2.00000	2.095	80.00- 120.00	100.00
17.832	17.832 (1.231)	148	117478			31.63- 91.63	63.47
17.832	17.832 (1.231)	111	84265			16.49- 76.49	45.53
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	166253	2.00000	2.462	80.00- 120.00	100.00
19.214	19.214 (1.326)	182	153854			65.47- 125.47	92.54
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	110505	2.00000	2.363	80.00- 120.00	100.00
19.297	19.297 (1.332)	223	72692			34.26- 94.26	65.78
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	471987	2.00000	2.558	80.00- 120.00	100.00
19.408	19.408 (1.340)	127	61154			0.00- 30.00	12.96

QC Flag Legend

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

Report Date: 24-Aug-2007 06:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082304.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 2.0ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	429690	-4.28
88 1,4-Difluorobenze	1960621	1176373	2744869	1963538	0.15
125 Chlorobenzene-d5	1588341	953005	2223677	1640207	3.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.15	0.30
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

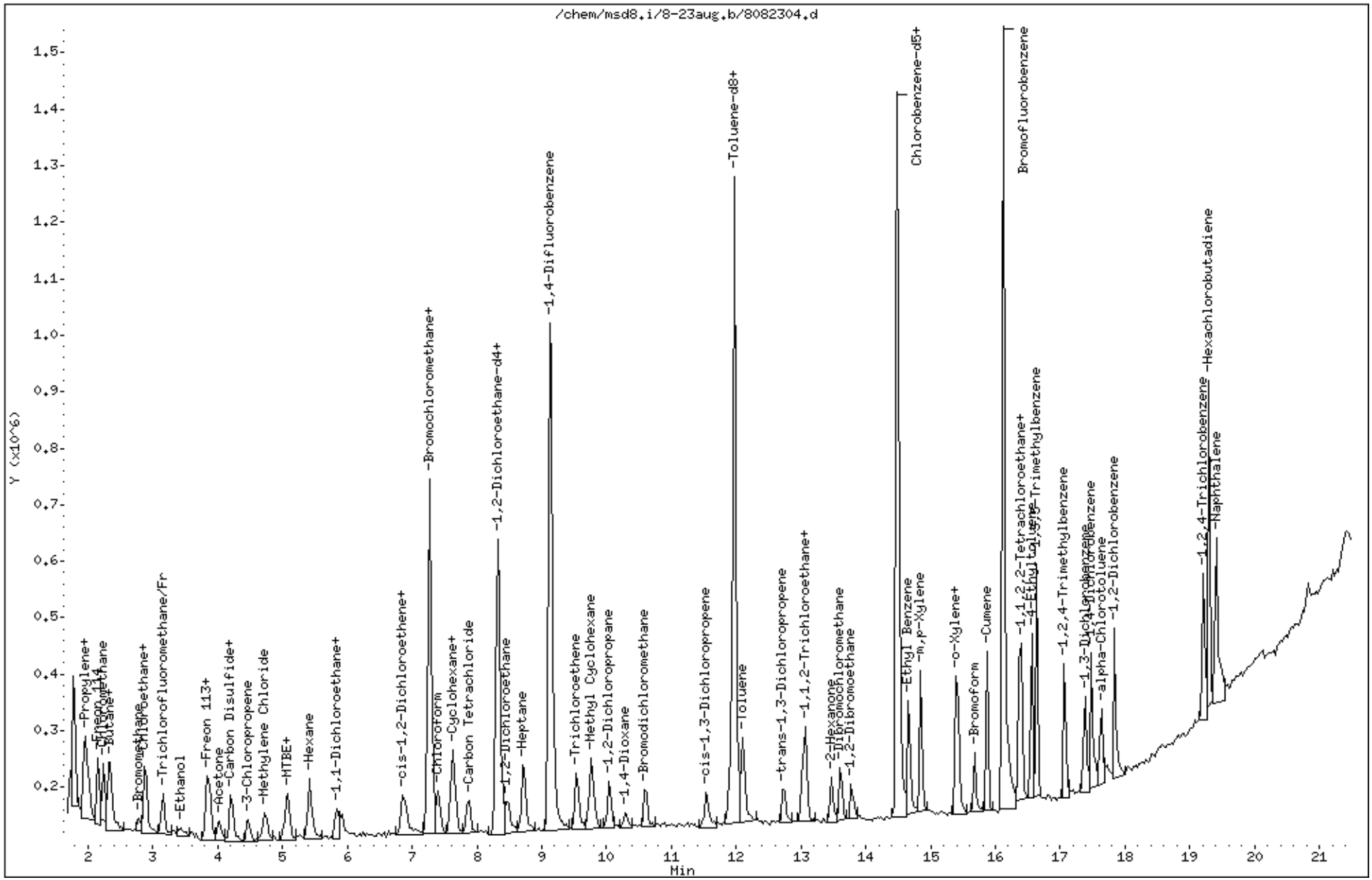
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd8.i/8-23aug.b/8082304.d
Date : 23-AUG-2007 17:18
Client ID: Level 3
Sample Info: 2.0mL #1443-266

Instrument: msd8.i

Operator: lmr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082312.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 23-AUG-2007 22:10
Operator : lmr Inst ID: msd8.i
Smp Info : 25mL #1443-266
Misc Info : 25ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 22:20 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.270	7.270 (1.000)	130	443430	25.0000		70.00- 130.00	100.00
7.270	7.270 (1.000)	128	332705			46.13- 106.13	75.03
7.242	7.242 (1.000)	49	697048			126.06- 186.06	157.19
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.122	9.122 (1.000)	114	1973704	25.0000		70.00- 130.00	100.00
9.122	9.122 (1.000)	88	297654			0.00- 44.25	15.08
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.486	14.486 (1.000)	117	1640352	25.0000		70.00- 130.00	100.00
14.459	14.459 (1.000)	82	792491			0.00- 30.00	48.31
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.320	8.320 (1.145)	65	480542	25.0000	24.305	70.00- 130.00	100.00
8.320	8.320 (1.145)	67	281757			0.00- 30.00	58.63
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.970	11.970 (1.312)	98	1779963	25.0000	24.887	70.00- 130.00	100.00
11.970	11.970 (1.312)	70	166508			0.00- 30.00	9.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1457458			0.00- 30.00	81.88
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	714260	25.0000	24.685	70.00- 130.00	100.00
16.118	16.118 (1.113)	95	1037969			110.99- 170.99	145.32
16.118	16.118 (1.113)	176	670771			66.16- 126.16	93.91
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	480589	25.0000	23.013	70.00- 130.00	100.00
1.961	1.961 (0.270)	42	310912			0.00- 30.00	64.69
1.961	1.961 (0.270)	39	349309			0.00- 30.00	72.68
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	1008008	25.0000	22.288	70.00- 130.00	100.00
1.989	1.989 (0.274)	87	311452			0.00- 30.00	30.90
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.289)	135	887813	25.0000	24.011	70.00- 130.00	100.00
2.099	2.099 (0.289)	137	284792			1.61- 61.61	32.08
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.304)	50	604836	25.0000	22.874	70.00- 130.00	100.00
2.210	2.210 (0.304)	52	186712			0.00- 30.00	30.87
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.312)	58	141618	25.0000	23.147	70.00- 130.00	100.00
2.265	2.265 (0.312)	43	1124768			0.00- 30.00	794.23
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	586154	25.0000	23.205	70.00- 130.00	100.00
2.348	2.348 (0.323)	64	184565			0.00- 30.00	31.49
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.319)	54	480013	25.0000	23.676	70.00- 130.00	100.00
2.320	2.320 (0.319)	39	545453			0.00- 30.00	113.63
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	444597	25.0000	23.617	70.00- 130.00	100.00
2.763	2.763 (0.380)	96	412641			60.69- 120.69	92.81
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.395)	64	307593	25.0000	22.940	70.00- 130.00	100.00
2.873	2.873 (0.395)	49	87784			0.00- 30.00	28.54
2.873	2.873 (0.395)	66	92071			0.00- 30.00	29.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.395)	43	869269	25.0000	23.032	70.00- 130.00	100.00
2.873	2.873 (0.395)	57	541781			0.00- 30.00	62.33
2.873	2.873 (0.395)	72	55817			0.00- 30.00	6.42
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.429)	101	1076173	25.0000	23.531	70.00- 130.00	100.00
3.122	3.122 (0.429)	103	700081			35.07- 95.07	65.05
23 Ethanol					CAS #: 64-17-5		
3.426	3.426 (0.471)	45	201738	25.0000	24.207	70.00- 130.00	100.00
3.399	3.399 (0.468)	43	50563			0.00- 30.00	25.06
3.426	3.426 (0.471)	46	84666			0.00- 30.00	41.97
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.525)	151	723116	25.0000	22.508	70.00- 130.00	100.00
3.814	3.814 (0.525)	153	469185			33.90- 93.90	64.88
3.814	3.814 (0.525)	101	956790			101.46- 161.46	132.31
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	809459	25.0000	22.698	70.00- 130.00	100.00
3.869	3.869 (0.532)	96	481314			31.27- 91.27	59.46
3.869	3.869 (0.532)	98	308199			8.98- 68.98	38.07
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	281300	25.0000	22.832	70.00- 130.00	100.00
4.007	4.007 (0.551)	43	931876			0.00- 30.00	331.27
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.574)	76	1529109	25.0000	23.083	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	1075421	25.0000	24.002	70.00- 130.00	100.00
4.201	4.201 (0.578)	43	239669			0.00- 30.00	22.29
4.201	4.201 (0.578)	59	37629			0.00- 30.00	3.50
37 3-Chloropropene					CAS #: 107-05-1		
4.449	4.449 (0.612)	76	258324	25.0000	25.871	70.00- 130.00	100.00
4.449	4.449 (0.612)	41	951049			0.00- 30.00	368.16
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.698 (0.646)	49	671216	25.0000	23.404	70.00- 130.00	100.00
4.698	4.698 (0.646)	84	456393			37.63- 97.63	67.99
4.698	4.698 (0.646)	51	203064			0.00- 30.00	30.25
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	627612	25.0000	24.490	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.030	5.030 (0.692)	57	173745			0.00- 57.54	27.68
5.030	5.030 (0.692)	41	195183			0.00- 30.00	31.10
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.058	5.058 (0.696)	96	577858	25.0000	22.220	70.00- 130.00	100.00
5.058	5.058 (0.696)	61	875658			121.91- 181.91	151.54
5.058	5.058 (0.696)	98	374614			0.00- 30.00	64.83
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	1124800	25.0000	23.178	70.00- 130.00	100.00
5.417	5.417 (0.745)	43	772825			0.00- 30.00	68.71
5.417	5.417 (0.745)	86	172980			0.00- 30.00	15.38
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	1058343	25.0000	23.595	70.00- 130.00	100.00
5.832	5.832 (0.802)	65	314481			0.00- 59.86	29.71
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	144904	25.0000	23.325	70.00- 130.00	100.00
5.887	5.887 (0.810)	43	1723157			0.00- 30.00	1189.17
5.915	5.915 (0.814)	42	128183			0.00- 30.00	88.46
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	801769	25.0000	23.513	70.00- 130.00	100.00
6.827	6.827 (0.939)	96	610824			43.76- 103.76	76.18
6.827	6.827 (0.939)	98	378949			17.82- 77.82	47.26
65 2-Butanone					CAS #: 78-93-3		
6.883	6.883 (0.947)	72	291194	25.0000	23.089	70.00- 130.00	100.00
6.883	6.883 (0.947)	43	1393898			442.32- 502.32	478.68
6.883	6.883 (0.947)	57	98853			0.00- 30.00	33.95
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (0.996)	42	855884	25.0000	22.699	70.00- 130.00	100.00
7.242	7.242 (0.996)	71	275067			0.02- 60.02	32.14
7.242	7.242 (0.996)	72	301198			0.00- 30.00	35.19
70 Chloroform					CAS #: 67-66-3		
7.380	7.380 (1.015)	83	966277	25.0000	21.033	70.00- 130.00	100.00
7.380	7.380 (1.015)	85	638907			35.44- 95.44	66.12
73 Cyclohexane					CAS #: 110-82-7		
7.602	7.602 (1.046)	84	897047	25.0000	22.530	70.00- 130.00	100.00
7.602	7.602 (1.046)	56	1164931			100.05- 160.05	129.86
7.602	7.602 (1.046)	41	656381			42.52- 102.52	73.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane						CAS #: 71-55-6	
7.629	7.629 (1.049)	97	944819	25.0000	23.946	70.00- 130.00	100.00
7.629	7.629 (1.049)	99	595604			35.50- 95.50	63.04
77 Carbon Tetrachloride						CAS #: 56-23-5	
7.878	7.878 (1.084)	119	890179	25.0000	23.534	70.00- 130.00	100.00
7.878	7.878 (1.084)	117	918306			74.76- 134.76	103.16
81 Benzene						CAS #: 71-43-2	
8.293	8.293 (0.909)	78	1908182	25.0000	22.836	70.00- 130.00	100.00
8.293	8.293 (0.909)	77	434674			0.00- 30.00	22.78
80 2,2,4-Trimethylpentane						CAS #: 540-84-1	
8.320	8.320 (1.145)	57	3505644	25.0000	23.280	70.00- 130.00	100.00
8.320	8.320 (1.145)	56	1137276			0.00- 30.00	32.44
8.320	8.320 (1.145)	41	889616			0.00- 30.00	25.38
83 1,2-Dichloroethane						CAS #: 107-06-2	
8.459	8.459 (0.927)	62	683954	25.0000	23.781	70.00- 130.00	100.00
8.459	8.459 (0.927)	64	212579			0.00- 30.00	31.08
85 Heptane						CAS #: 142-82-5	
8.707	8.707 (0.955)	100	223674	25.0000	22.447	70.00- 130.00	100.00
8.707	8.707 (0.955)	43	1422837			0.00- 30.00	636.12
8.707	8.707 (0.955)	71	689918			0.00- 30.00	308.45
94 Trichloroethene						CAS #: 79-01-6	
9.537	9.537 (1.045)	95	758254	25.0000	22.995	70.00- 130.00	100.00
9.537	9.537 (1.045)	130	783490			75.94- 135.94	103.33
9.537	9.537 (1.045)	97	470197			32.72- 92.72	62.01
95 Methyl Cyclohexane						CAS #: 108-87-2	
9.758	9.758 (1.342)	83	1228878	25.0000	23.296	70.00- 130.00	100.00
9.758	9.758 (1.342)	98	589630			0.00- 30.00	47.98
9.758	9.758 (1.342)	55	1026113			0.00- 30.00	83.50
97 1,2-Dichloropropane						CAS #: 78-87-5	
10.035	10.035 (1.100)	63	684492	25.0000	22.571	70.00- 130.00	100.00
10.035	10.035 (1.100)	62	490515			41.42- 101.42	71.66
10.035	10.035 (1.100)	41	410693			28.00- 88.00	60.00
98 1,4-Dioxane						CAS #: 123-91-1	
10.284	10.284 (1.127)	88	449003	25.0000	24.065	70.00- 130.00	100.00
10.284	10.284 (1.127)	58	332788			43.34- 103.34	74.12
10.284	10.284 (1.127)	57	99954			0.00- 30.00	22.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	1023469	25.0000	23.524	70.00- 130.00	100.00
10.588	10.588 (1.161)	85	648258			34.69- 94.69	63.34
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	938208	25.0000	23.920	70.00- 130.00	100.00
11.528	11.528 (1.264)	77	299192			1.96- 61.96	31.89
11.528	11.528 (1.264)	39	527467			25.45- 85.45	56.22
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	602452	25.0000	21.956	70.00- 130.00	100.00
11.887	11.887 (1.303)	43	1596176			0.00- 30.00	264.95
11.887	11.887 (1.303)	85	246442			0.00- 30.00	40.91
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	2145853	25.0000	23.675	70.00- 130.00	100.00
12.108	12.108 (1.327)	92	1297868			30.20- 90.20	60.48
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	895000	25.0000	23.450	70.00- 130.00	100.00
12.717	12.717 (0.878)	77	268889			1.26- 61.26	30.04
12.717	12.717 (0.878)	39	501845			27.22- 87.22	56.07
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	705713	25.0000	24.627	70.00- 130.00	100.00
13.021	13.021 (0.899)	99	442996			32.87- 92.87	62.77
13.021	13.021 (0.899)	83	583165			55.53- 115.53	82.63
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	881913	25.0000	23.185	70.00- 130.00	100.00
13.076	13.076 (0.903)	129	693994			51.23- 111.23	78.69
13.076	13.076 (0.903)	131	660155			47.48- 107.48	74.85
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	784059	25.0000	23.310	70.00- 130.00	100.00
13.463	13.463 (0.929)	43	1533640			162.00- 222.00	195.60
13.463	13.463 (0.929)	100	151277			0.00- 30.00	19.29
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.601 (0.939)	129	1001413	25.0000	22.360	70.00- 130.00	100.00
13.601	13.601 (0.939)	127	762212			0.00- 30.00	76.11
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	1105514	25.0000	22.538	70.00- 130.00	100.00
13.767	13.767 (0.950)	109	1055430			65.34- 125.34	95.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	1879265	25.0000	23.148	70.00- 130.00	100.00
14.514	14.514 (1.002)	114	598855			0.74- 60.74	31.87
14.514	14.514 (1.002)	77	953641			21.12- 81.12	50.75
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	965635	25.0000	23.435	70.00- 130.00	100.00
14.652	14.652 (1.011)	91	2761811			0.00- 30.00	286.01
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	1236963	25.0000	22.490	70.00- 130.00	100.00
14.846	14.846 (1.025)	91	2174584			0.00- 30.00	175.80
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	1146679	25.0000	22.411	70.00- 130.00	100.00
15.399	15.399 (1.063)	91	2179058			162.01- 222.01	190.03
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	1890775	25.0000	22.841	70.00- 130.00	100.00
15.426	15.426 (1.065)	78	761266			10.74- 70.74	40.26
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	905012	25.0000	23.666	70.00- 130.00	100.00
15.675	15.675 (1.082)	171	463685			21.03- 81.03	51.24
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	3164486	25.0000	23.192	70.00- 130.00	100.00
15.869	15.869 (1.095)	120	909858			0.00- 30.00	28.75
15.869	15.869 (1.095)	51	304355			0.00- 30.00	9.62
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	1609324	25.0000	22.464	70.00- 130.00	100.00
16.366	16.366 (1.130)	85	1023166			34.08- 94.08	63.58
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	3746483	25.0000	24.284	70.00- 130.00	100.00
16.394	16.394 (1.132)	120	912347			0.00- 30.00	24.35
16.394	16.394 (1.132)	105	137919			0.00- 30.00	3.68
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	3262279	25.0000	24.280	70.00- 130.00	100.00
16.560	16.560 (1.143)	120	1042873			1.66- 61.66	31.97
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	3128807	25.0000	23.819	70.00- 130.00	100.00
16.643	16.643 (1.149)	120	1633919			0.00- 30.00	52.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	2432170	25.0000	22.208	70.00- 130.00	100.00
17.058	17.058 (1.178)	120	1209160			18.19- 78.19	49.72
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.389 (1.200)	146	1558291	25.0000	22.617	70.00- 130.00	100.00
17.389	17.389 (1.200)	148	991740			0.00- 30.00	63.64
17.362	17.362 (1.198)	111	662113			0.00- 30.00	42.49
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	2004172	25.0000	21.677	70.00- 130.00	100.00
17.472	17.472 (1.206)	148	1254816			0.00- 30.00	62.61
17.472	17.472 (1.206)	111	823509			0.00- 30.00	41.09
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	1975275	25.0000	21.202	70.00- 130.00	100.00
17.638	17.638 (1.218)	126	456543			0.00- 30.00	23.11
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	1625929	25.0000	20.640	70.00- 130.00	100.00
17.832	17.832 (1.231)	148	984525			31.63- 91.63	60.55
17.832	17.832 (1.231)	111	777668			16.49- 76.49	47.83
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	1326826	25.0000	22.252	70.00- 130.00	100.00
19.214	19.214 (1.326)	182	1283337			65.47- 125.47	96.72
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	895259	25.0000	21.701	70.00- 130.00	100.00
19.297	19.297 (1.332)	223	573478			34.26- 94.26	64.06
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	3228390	25.0000	21.718	70.00- 130.00	100.00
19.408	19.408 (1.340)	127	375975			0.00- 30.00	11.65

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082312.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 25ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	443430	-1.22
88 1,4-Difluorobenze	1960621	1176373	2744869	1973704	0.67
125 Chlorobenzene-d5	1588341	953005	2223677	1640352	3.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

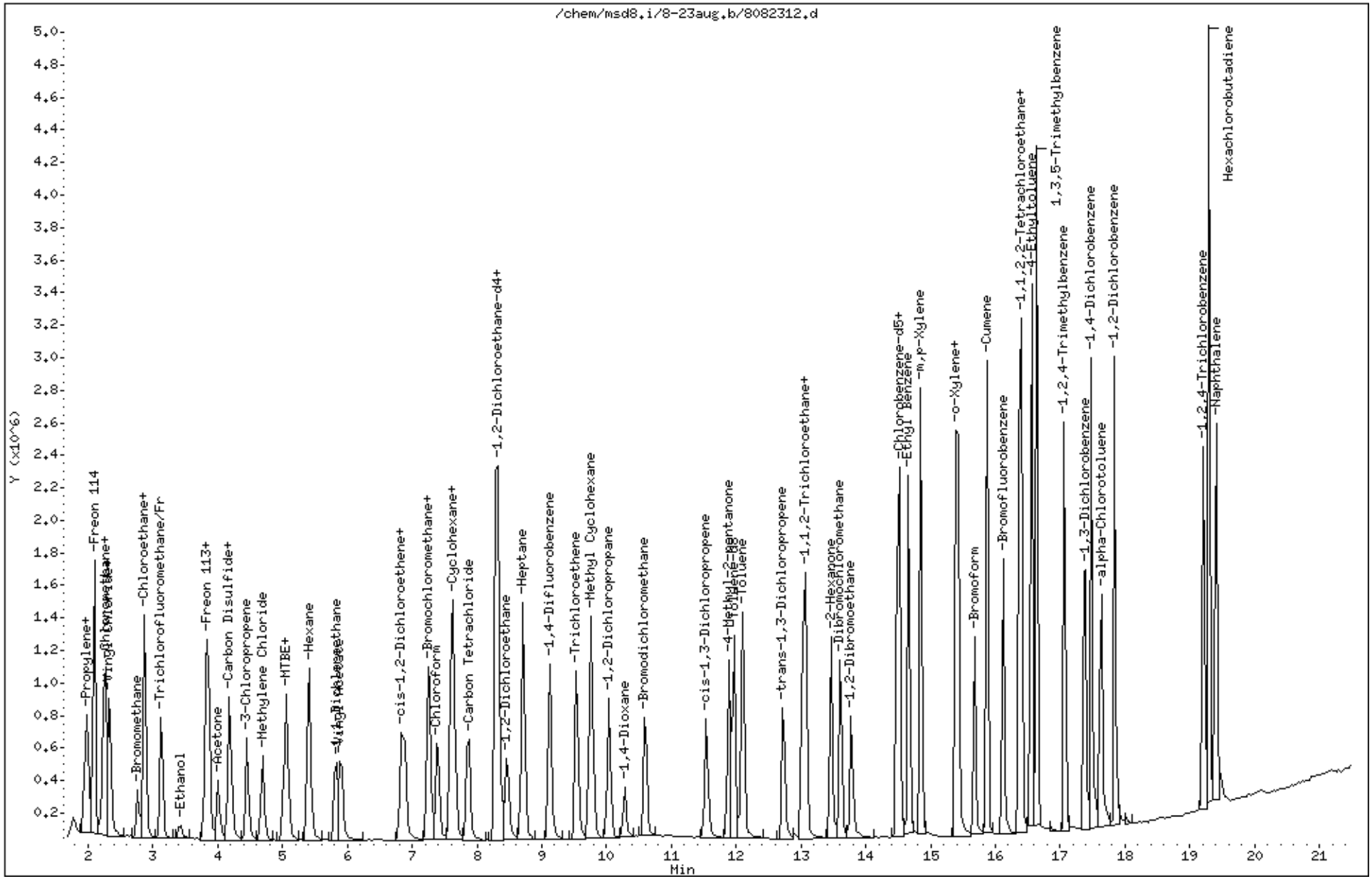
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0107

Data File: /chem/msd8.i/8-23aug.b/8082312.d
Date : 23-AUG-2007 22:10
Client ID: Level 4
Sample Info: 25mL #1443-266

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

Column phase: RTx-624



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AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082306.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 23-AUG-2007 18:14
Operator : lmr Inst ID: msd8.i
Smp Info : 50ml #1443-266
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 19:32 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 18:14 Cal File: 8082306.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.270	7.270 (1.000)	130	448885	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	341754			46.13- 106.13	76.13
7.242	7.242 (1.000)	49	700546			126.06- 186.06	156.06
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.122	9.122 (1.000)	114	1960621	25.0000		80.00- 120.00	100.00
9.122	9.122 (1.000)	88	279456			0.00- 44.25	14.25
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.486	14.486 (1.000)	117	1588341	25.0000		80.00- 120.00	100.00
14.459	14.459 (1.000)	82	811987			21.12- 81.12	51.12
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.320	8.320 (1.145)	65	492635	25.0000	25.000	80.00- 120.00	100.00
8.320	8.320 (1.145)	67	306529			32.22- 92.22	62.22
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.970	11.970 (1.312)	98	1817385	25.0000	25.000	80.00- 120.00	100.00
11.970	11.970 (1.312)	70	162311			0.00- 38.93	8.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1677747			62.32- 122.32	92.32
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	733449	25.0000	25.000	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1034102			110.99- 170.99	140.99
16.118	16.118 (1.113)	176	705281			66.16- 126.16	96.16
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	948670	50.0000	50.000	80.00- 120.00	100.00
1.961	1.961 (0.270)	42	630361			36.45- 96.45	66.45
1.961	1.961 (0.270)	39	669320			40.55- 100.55	70.55
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	1903427	50.0000	50.000	80.00- 120.00	100.00
1.989	1.989 (0.274)	87	604104			1.74- 61.74	31.74
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.289)	135	1726289	50.0000	50.000	80.00- 120.00	100.00
2.099	2.099 (0.289)	137	545699			1.61- 61.61	31.61
8 Chloromethane					CAS #: 74-87-3		
2.238	2.238 (0.308)	50	1162778	50.0000	50.000	80.00- 120.00	100.00(H)
2.210	2.210 (0.304)	52	365953			1.47- 61.47	31.47
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.312)	58	262772	50.0000	50.000	80.00- 120.00	100.00
2.265	2.265 (0.312)	43	2125987			779.06- 839.06	809.06
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	1166611	50.0000	50.000	80.00- 120.00	100.00
2.348	2.348 (0.323)	64	350681			0.06- 60.06	30.06
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	958879	50.0000	50.000	80.00- 120.00	100.00
2.348	2.348 (0.323)	39	1105018			85.24- 145.24	115.24
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	881736	50.0000	50.000	80.00- 120.00	100.00
2.763	2.763 (0.380)	96	799638			60.69- 120.69	90.69
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.395)	64	606640	50.0000	50.000	80.00- 120.00	100.00
2.873	2.873 (0.395)	49	163522			0.00- 56.96	26.96
2.873	2.873 (0.395)	66	183314			0.22- 60.22	30.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.395)	43	1744462	50.0000	50.000	80.00- 120.00	100.00
2.873	2.873 (0.395)	57	1064396			31.02- 91.02	61.02
2.873	2.873 (0.395)	72	112068			0.00- 36.42	6.42
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.429)	101	2134473	50.0000	50.000	80.00- 120.00	100.00
3.122	3.122 (0.429)	103	1388923			35.07- 95.07	65.07
23 Ethanol					CAS #: 64-17-5		
3.426	3.426 (0.471)	45	397926	50.0000	50.000	80.00- 120.00	100.00
3.426	3.426 (0.471)	43	83784			0.00- 51.06	21.06
3.426	3.426 (0.471)	46	160916			10.44- 70.44	40.44
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	1453861	50.0000	50.000	80.00- 120.00	100.00
3.841	3.841 (0.528)	153	928968			33.90- 93.90	63.90
3.814	3.814 (0.525)	101	1911246			101.46- 161.46	131.46
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	1594009	50.0000	50.000	80.00- 120.00	100.00
3.869	3.869 (0.532)	96	976687			31.27- 91.27	61.27
3.869	3.869 (0.532)	98	621328			8.98- 68.98	38.98
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	568176	50.0000	50.000	80.00- 120.00	100.00
4.007	4.007 (0.551)	43	1865980			298.42- 358.42	328.42
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.574)	76	3018454	50.0000	50.000	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	2172158	50.0000	50.000	80.00- 120.00	100.00
4.201	4.201 (0.578)	43	465998			0.00- 51.45	21.45
4.201	4.201 (0.578)	59	81954			0.00- 33.77	3.77
37 3-Chloropropene					CAS #: 107-05-1		
4.449	4.449 (0.612)	76	504216	50.0000	50.000	80.00- 120.00	100.00
4.449	4.449 (0.612)	41	1851326			337.17- 397.17	367.17
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.698 (0.646)	49	1311968	50.0000	50.000	80.00- 120.00	100.00
4.698	4.698 (0.646)	84	887313			37.63- 97.63	67.63
4.698	4.698 (0.646)	51	393634			0.00- 60.00	30.00
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	1143082	50.0000	50.000	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.030	5.030 (0.692)	57	314758			0.00- 57.54	27.54
5.030	5.030 (0.692)	41	346020			0.27- 60.27	30.27
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.058	5.058 (0.696)	96	1146178	50.0000	50.000	80.00- 120.00	100.00
5.058	5.058 (0.696)	61	1741175			121.91- 181.91	151.91
5.058	5.058 (0.696)	98	741229			34.67- 94.67	64.67
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	2231934	50.0000	50.000	80.00- 120.00	100.00
5.417	5.417 (0.745)	43	1541691			39.07- 99.07	69.07
5.417	5.417 (0.745)	86	339309			0.00- 45.20	15.20
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	2089626	50.0000	50.000	80.00- 120.00	100.00
5.832	5.832 (0.802)	65	624056			0.00- 59.86	29.86
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	298093	50.0000	50.000	80.00- 120.00	100.00
5.915	5.915 (0.814)	43	3528542			1153.71-1213.71	1183.71
5.915	5.915 (0.814)	42	262090			57.92- 117.92	87.92
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	1604372	50.0000	50.000	80.00- 120.00	100.00
6.827	6.827 (0.939)	96	1183401			43.76- 103.76	73.76
6.827	6.827 (0.939)	98	767224			17.82- 77.82	47.82
65 2-Butanone					CAS #: 78-93-3		
6.883	6.883 (0.947)	72	589147	50.0000	50.000	80.00- 120.00	100.00
6.883	6.883 (0.947)	43	2782630			442.32- 502.32	472.32
6.883	6.883 (0.947)	57	202265			4.33- 64.33	34.33
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (0.996)	42	1733395	50.0000	50.000	80.00- 120.00	100.00
7.242	7.242 (0.996)	71	520445			0.02- 60.02	30.02
7.242	7.242 (0.996)	72	589863			4.03- 64.03	34.03
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	1909180	50.0000	50.000	80.00- 120.00	100.00
7.408	7.408 (1.019)	85	1249457			35.44- 95.44	65.44
73 Cyclohexane					CAS #: 110-82-7		
7.601	7.601 (1.046)	84	1780238	50.0000	50.000	80.00- 120.00	100.00
7.601	7.601 (1.046)	56	2315273			100.05- 160.05	130.05
7.601	7.601 (1.046)	41	1291020			42.52- 102.52	72.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.629	7.629 (1.049)	97	1811888	50.0000	50.000	80.00- 120.00	100.00
7.629	7.629 (1.049)	99	1186827			35.50- 95.50	65.50
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	1733527	50.0000	50.000	80.00- 120.00	100.00
7.878	7.878 (1.084)	117	1816113			74.76- 134.76	104.76
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	3667108	50.0000	50.000	80.00- 120.00	100.00
8.293	8.293 (0.909)	77	858328			0.00- 53.41	23.41
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	7069602	50.0000	50.000	80.00- 120.00	100.00
8.320	8.320 (1.145)	56	2263642			2.02- 62.02	32.02
8.320	8.320 (1.145)	41	1739267			0.00- 54.60	24.60
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.459 (0.927)	62	1320102	50.0000	50.000	80.00- 120.00	100.00
8.459	8.459 (0.927)	64	409675			1.03- 61.03	31.03
85 Heptane					CAS #: 142-82-5		
8.707	8.707 (0.955)	100	459809	50.0000	50.000	80.00- 120.00	100.00
8.707	8.707 (0.955)	43	2777326			574.02- 634.02	604.02
8.707	8.707 (0.955)	71	1370555			268.07- 328.07	298.07
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	1475807	50.0000	50.000	80.00- 120.00	100.00
9.537	9.537 (1.045)	130	1563400			75.94- 135.94	105.94
9.537	9.537 (1.045)	97	925646			32.72- 92.72	62.72
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	2420300	50.0000	50.000	80.00- 120.00	100.00
9.758	9.758 (1.342)	98	1154765			17.71- 77.71	47.71
9.758	9.758 (1.342)	55	2042305			54.38- 114.38	84.38
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	1369280	50.0000	50.000	80.00- 120.00	100.00
10.035	10.035 (1.100)	62	977902			41.42- 101.42	71.42
10.035	10.035 (1.100)	41	794130			28.00- 88.00	58.00
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.127)	88	884492	50.0000	50.000	80.00- 120.00	100.00
10.284	10.284 (1.127)	58	648678			43.34- 103.34	73.34
10.284	10.284 (1.127)	57	197127			0.00- 52.29	22.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	1988951	50.0000	50.000	80.00- 120.00	100.00
10.588	10.588 (1.161)	85	1286587			34.69- 94.69	64.69
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	1838442	50.0000	50.000	80.00- 120.00	100.00
11.528	11.528 (1.264)	77	587636			1.96- 61.96	31.96
11.528	11.528 (1.264)	39	1019473			25.45- 85.45	55.45
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	1181622	50.0000	50.000	80.00- 120.00	100.00
11.887	11.887 (1.303)	43	3226572			243.06- 303.06	273.06
11.887	11.887 (1.303)	85	489318			11.41- 71.41	41.41
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	4158429	50.0000	50.000	80.00- 120.00	100.00
12.108	12.108 (1.327)	92	2503546			30.20- 90.20	60.20
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	1771247	50.0000	50.000	80.00- 120.00	100.00
12.717	12.717 (0.878)	77	553661			1.26- 61.26	31.26
12.717	12.717 (0.878)	39	1013519			27.22- 87.22	57.22
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	1368786	50.0000	50.000	80.00- 120.00	100.00
13.021	13.021 (0.899)	99	860559			32.87- 92.87	62.87
13.021	13.021 (0.899)	83	1170777			55.53- 115.53	85.53
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	1704788	50.0000	50.000	80.00- 120.00	100.00
13.076	13.076 (0.903)	129	1384813			51.23- 111.23	81.23
13.076	13.076 (0.903)	131	1320812			47.48- 107.48	77.48
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	1618744	50.0000	50.000	80.00- 120.00	100.00
13.463	13.463 (0.929)	43	3107934			162.00- 222.00	192.00
13.463	13.463 (0.929)	100	343890			0.00- 51.24	21.24
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.601 (0.939)	129	1998715	50.0000	50.000	80.00- 120.00	100.00
13.601	13.601 (0.939)	127	1553001			47.70- 107.70	77.70
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	2183795	50.0000	50.000	80.00- 120.00	100.00
13.767	13.767 (0.950)	109	2082091			65.34- 125.34	95.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	3630202	50.0000	50.000	80.00- 120.00	100.00
14.514	14.514 (1.002)	114	1115828			0.74- 60.74	30.74
14.514	14.514 (1.002)	77	1855832			21.12- 81.12	51.12
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	1925838	50.0000	50.000	80.00- 120.00	100.00
14.652	14.652 (1.011)	91	5679042			264.89- 324.89	294.89
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	2486771	50.0000	50.000	80.00- 120.00	100.00
14.846	14.846 (1.025)	91	4514419			151.54- 211.54	181.54
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	2295201	50.0000	50.000	80.00- 120.00	100.00
15.399	15.399 (1.063)	91	4406940			162.01- 222.01	192.01
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	3682164	50.0000	50.000	80.00- 120.00	100.00
15.426	15.426 (1.065)	78	1500172			10.74- 70.74	40.74
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	1799424	50.0000	50.000	80.00- 120.00	100.00
15.675	15.675 (1.082)	171	918292			21.03- 81.03	51.03
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	6384185	50.0000	50.000	80.00- 120.00	100.00
15.869	15.869 (1.095)	120	1810108			0.00- 58.35	28.35
15.869	15.869 (1.095)	51	617138			0.00- 39.67	9.67
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	3278205	50.0000	50.000	80.00- 120.00	100.00
16.366	16.366 (1.130)	85	2100780			34.08- 94.08	64.08
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	7709641	50.0000	50.000	80.00- 120.00	100.00
16.394	16.394 (1.132)	120	1856878			0.00- 54.09	24.09
16.394	16.394 (1.132)	105	269418			0.00- 33.49	3.49
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	6824621	50.0000	50.000	80.00- 120.00	100.00
16.560	16.560 (1.143)	120	2160774			1.66- 61.66	31.66
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	6306007	50.0000	50.000	80.00- 120.00	100.00
16.643	16.643 (1.149)	120	3284544			22.09- 82.09	52.09

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	5089727	50.0000	50.000	80.00- 120.00	100.00
17.058	17.058 (1.178)	120	2452560			18.19- 78.19	48.19
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.389 (1.200)	146	3177379	50.0000	50.000	80.00- 120.00	100.00
17.389	17.389 (1.200)	148	1984349			32.45- 92.45	62.45
17.362	17.362 (1.198)	111	1364029			12.93- 72.93	42.93
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	4092689	50.0000	50.000	80.00- 120.00	100.00
17.472	17.472 (1.206)	148	2521841			31.62- 91.62	61.62
17.472	17.472 (1.206)	111	1675914			10.95- 70.95	40.95
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	4196541	50.0000	50.000	80.00- 120.00	100.00
17.638	17.638 (1.218)	126	992772			0.00- 53.66	23.66
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	3301771	50.0000	50.000	80.00- 120.00	100.00
17.832	17.832 (1.231)	148	2034805			31.63- 91.63	61.63
17.832	17.832 (1.231)	111	1535144			16.49- 76.49	46.49
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	2513507	50.0000	50.000	80.00- 120.00	100.00
19.214	19.214 (1.326)	182	2399770			65.47- 125.47	95.47
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	1853043	50.0000	50.000	80.00- 120.00	100.00
19.297	19.297 (1.332)	223	1190810			34.26- 94.26	64.26
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	6438738	50.0000	50.000	80.00- 120.00	100.00
19.408	19.408 (1.340)	127	757197			0.00- 41.76	11.76

QC Flag Legend

H - Operator selected an alternate compound hit.

Report Date: 23-Aug-2007 19:32

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082306.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	448885	0.00
88 1,4-Difluorobenze	1960621	1176373	2744869	1960621	0.00
125 Chlorobenzene-d5	1588341	953005	2223677	1588341	0.00

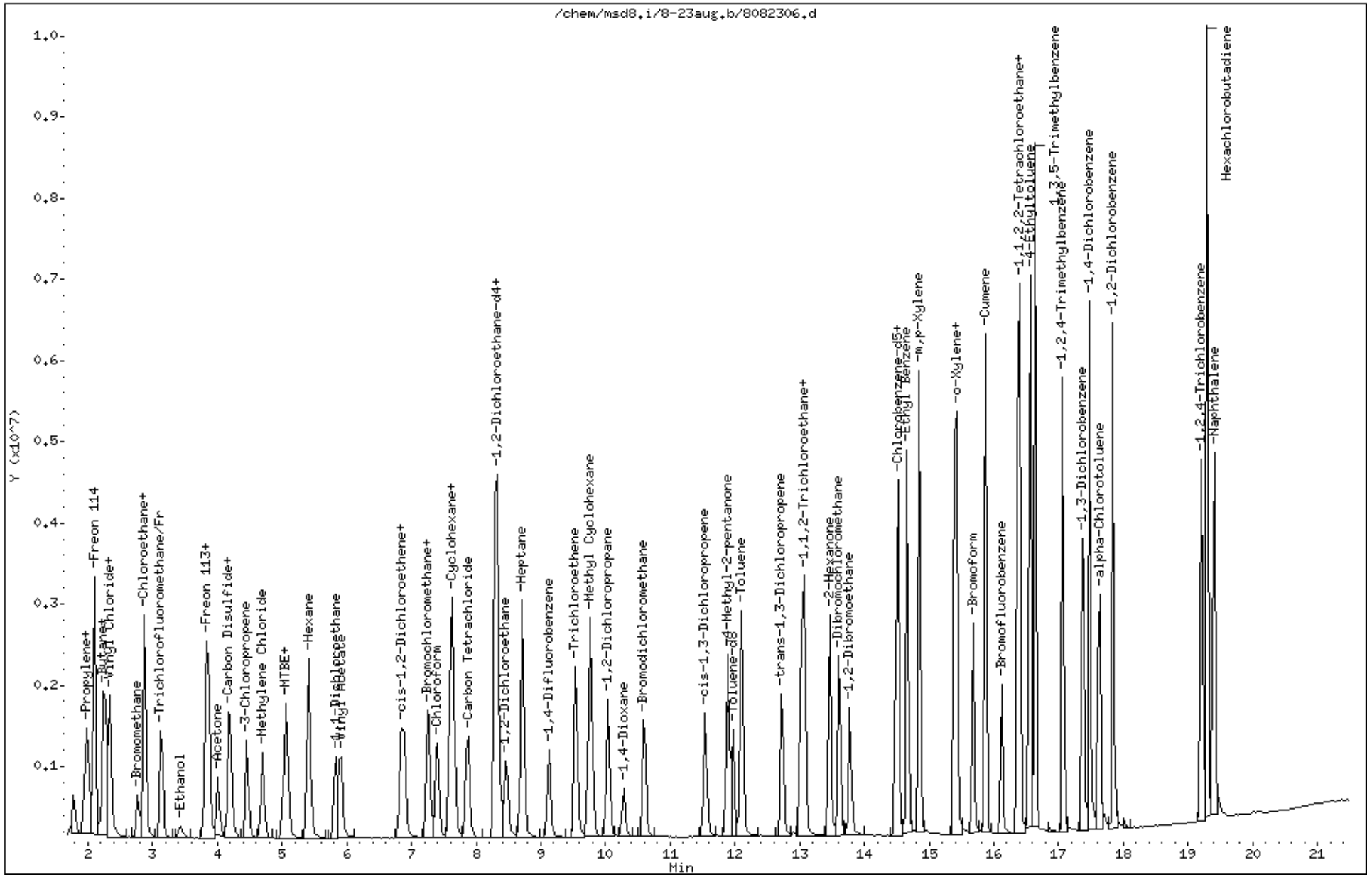
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

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

Data File: /chem/msd8.i/8-23aug.b/8082306.d
Date : 23-AUG-2007 18:14
Client ID: Level 5
Sample Info: 50ml #1443-266

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

Column phase: RTx-624



0117

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082307.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 23-AUG-2007 18:42
Operator : lmr Inst ID: msd8.i
Smp Info : 100ml #1443-266
Misc Info : 100ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 23:09 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 18:42 Cal File: 8082307.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	438404	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	349438			46.13- 106.13	79.71
7.270	7.242 (1.000)	49	689667			126.06- 186.06	157.31
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.122	9.122 (1.000)	114	1980938	25.0000		80.00- 120.00	100.00
9.122	9.122 (1.000)	88	286038			0.00- 44.25	14.44
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1608574	25.0000		80.00- 120.00	100.00
14.459	14.459 (1.000)	82	837715			0.00- 30.00	52.08
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.320	8.320 (1.145)	65	503883	25.0000	26.036	80.00- 120.00	100.00
8.320	8.320 (1.145)	67	337425			0.00- 30.00	66.96
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.312)	98	1795723	25.0000	25.048	80.00- 120.00	100.00
11.970	11.970 (1.312)	70	165125			0.00- 30.00	9.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1551140			0.00- 30.00	86.38
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	731808	25.0000	26.042	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1084219			110.99- 170.99	148.16
16.118	16.118 (1.113)	176	698221			66.16- 126.16	95.41
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	1875821	100.000	85.414	80.00- 120.00	100.00
1.961	1.961 (0.270)	42	1243359			0.00- 30.00	66.28
1.961	1.961 (0.270)	39	1347127			0.00- 30.00	71.82
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	4180242	100.000	88.949	80.00- 120.00	100.00
1.989	1.989 (0.274)	87	1269196			0.00- 30.00	30.36
6 Freon 114					CAS #: 76-14-2		
2.127	2.099 (0.293)	135	3387042	100.000	90.135	80.00- 120.00	100.00
2.127	2.099 (0.293)	137	1055167			1.61- 61.61	31.15
8 Chloromethane					CAS #: 74-87-3		
2.238	2.238 (0.308)	50	2514481	100.000	92.004	80.00- 120.00	100.00
2.238	2.210 (0.308)	52	678380			0.00- 30.00	26.98
9 Butane					CAS #: 106-97-8		
2.293	2.265 (0.315)	58	517062	100.000	79.689	80.00- 120.00	100.00
2.293	2.265 (0.315)	43	4204032			0.00- 30.00	813.06
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	2276895	100.000	87.455	80.00- 120.00	100.00
2.348	2.348 (0.323)	64	686214			0.00- 30.00	30.14
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	1924169	100.000	93.888	80.00- 120.00	100.00
2.348	2.348 (0.323)	39	2848824			0.00- 30.00	148.05
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	1722879	100.000	89.680	80.00- 120.00	100.00
2.763	2.763 (0.380)	96	1589700			60.69- 120.69	92.27
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.395)	64	1190146	100.000	85.800	80.00- 120.00	100.00
2.873	2.873 (0.395)	49	325734			0.00- 30.00	27.37
2.873	2.873 (0.395)	66	360190			0.00- 30.00	30.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.395)	43	3415283	100.000	87.072	80.00- 120.00	100.00
2.873	2.873 (0.395)	57	2152585			0.00- 30.00	63.03
2.873	2.873 (0.395)	72	213840			0.00- 30.00	6.26
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.150	3.122 (0.433)	101	4221755	100.000	90.564	80.00- 120.00	100.00
3.150	3.122 (0.433)	103	2728999			35.07- 95.07	64.64
23 Ethanol					CAS #: 64-17-5		
3.426	3.426 (0.471)	45	730476	100.000	84.342	80.00- 120.00	100.00
3.426	3.426 (0.471)	43	128364			0.00- 30.00	17.57
3.454	3.426 (0.475)	46	280828			0.00- 30.00	38.44
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	2831939	100.000	85.057	80.00- 120.00	100.00
3.841	3.841 (0.528)	153	1799120			33.90- 93.90	63.53
3.841	3.814 (0.528)	101	3753787			101.46- 161.46	132.55
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	3187725	100.000	86.399	80.00- 120.00	100.00
3.869	3.869 (0.532)	96	1910332			31.27- 91.27	59.93
3.869	3.869 (0.532)	98	1213281			8.98- 68.98	38.06
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	1109973	100.000	86.079	80.00- 120.00	100.00
4.007	4.007 (0.551)	43	3712531			0.00- 30.00	334.47
33 Carbon Disulfide					CAS #: 75-15-0		
4.201	4.173 (0.578)	76	6014144	100.000	88.202	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	4368282	100.000	96.000	80.00- 120.00	100.00
4.201	4.201 (0.578)	43	884799			0.00- 30.00	20.26
4.201	4.201 (0.578)	59	147075			0.00- 30.00	3.37
37 3-Chloropropene					CAS #: 107-05-1		
4.477	4.449 (0.616)	76	1001878	100.000	101.30	80.00- 120.00	100.00
4.449	4.449 (0.612)	41	3583372			0.00- 30.00	357.67
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.698 (0.646)	49	2579384	100.000	87.235	80.00- 120.00	100.00
4.698	4.698 (0.646)	84	1725773			37.63- 97.63	66.91
4.698	4.698 (0.646)	51	776523			0.00- 30.00	30.10
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	2273058	100.000	84.649	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.030	5.030 (0.692)	57	646121			0.00- 57.54	28.43
5.030	5.030 (0.692)	41	676152			0.00- 30.00	29.75
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.085	5.058 (0.700)	96	2300139	100.000	84.569	80.00- 120.00	100.00
5.058	5.058 (0.696)	61	3455633			121.91- 181.91	150.24
5.085	5.058 (0.700)	98	1456691			0.00- 30.00	63.33
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	4369462	100.000	87.683	80.00- 120.00	100.00
5.417	5.417 (0.745)	43	3028463			0.00- 30.00	69.31
5.417	5.417 (0.745)	86	675138			0.00- 30.00	15.45
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	4081609	100.000	89.044	80.00- 120.00	100.00
5.832	5.832 (0.802)	65	1227419			0.00- 59.86	30.07
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	612331	100.000	97.092	80.00- 120.00	100.00
5.915	5.915 (0.814)	43	7145127			0.00- 30.00	1166.87
5.915	5.915 (0.814)	42	505267			0.00- 30.00	82.52
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	3115070	100.000	89.255	80.00- 120.00	100.00
6.855	6.827 (0.943)	96	2341371			43.76- 103.76	75.16
6.855	6.827 (0.943)	98	1482667			17.82- 77.82	47.60
65 2-Butanone					CAS #: 78-93-3		
6.883	6.883 (0.947)	72	1171141	100.000	90.808	80.00- 120.00	100.00
6.883	6.883 (0.947)	43	5568974			442.32- 502.32	475.52
6.883	6.883 (0.947)	57	386133			0.00- 30.00	32.97
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (0.996)	42	3476784	100.000	89.280	80.00- 120.00	100.00
7.270	7.242 (1.000)	71	1035357			0.02- 60.02	29.78
7.270	7.242 (1.000)	72	1153733			0.00- 30.00	33.18
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	3809015	100.000	78.741	80.00- 120.00	100.00
7.408	7.408 (1.019)	85	2487804			35.44- 95.44	65.31
73 Cyclohexane					CAS #: 110-82-7		
7.629	7.601 (1.049)	84	3465325	100.000	83.671	80.00- 120.00	100.00
7.601	7.601 (1.046)	56	4594062			100.05- 160.05	132.57
7.601	7.601 (1.046)	41	2519149			42.52- 102.52	72.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.657	7.629 (1.053)	97	3589926	100.000	89.379	80.00- 120.00	100.00
7.629	7.629 (1.049)	99	2316363			35.50- 95.50	64.52
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	3454059	100.000	89.434	80.00- 120.00	100.00
7.878	7.878 (1.084)	117	3601486			74.76- 134.76	104.27
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	7367650	100.000	84.733	80.00- 120.00	100.00
8.293	8.293 (0.909)	77	1661123			0.00- 30.00	22.55
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	14092492	100.000	92.519	80.00- 120.00	100.00
8.320	8.320 (1.145)	56	4446803			0.00- 30.00	31.55
8.320	8.320 (1.145)	41	3453990			0.00- 30.00	24.51
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.459 (0.927)	62	2605397	100.000	87.453	80.00- 120.00	100.00
8.459	8.459 (0.927)	64	802608			0.00- 30.00	30.81
85 Heptane					CAS #: 142-82-5		
8.707	8.707 (0.955)	100	869708	100.000	82.714	80.00- 120.00	100.00
8.707	8.707 (0.955)	43	5576050			0.00- 30.00	641.14
8.707	8.707 (0.955)	71	2705983			0.00- 30.00	311.14
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	2952386	100.000	85.361	80.00- 120.00	100.00
9.537	9.537 (1.045)	130	3082101			75.94- 135.94	104.39
9.537	9.537 (1.045)	97	1828699			32.72- 92.72	61.94
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	4745891	100.000	87.813	80.00- 120.00	100.00
9.758	9.758 (1.342)	98	2247631			0.00- 30.00	47.36
9.758	9.758 (1.342)	55	4006713			0.00- 30.00	84.42
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	2731942	100.000	85.731	80.00- 120.00	100.00
10.035	10.035 (1.100)	62	1910687			41.42- 101.42	69.94
10.035	10.035 (1.100)	41	1553549			28.00- 88.00	56.87
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.127)	88	1732638	100.000	89.975	80.00- 120.00	100.00
10.284	10.284 (1.127)	58	1287969			43.34- 103.34	74.34
10.284	10.284 (1.127)	57	392673			0.00- 30.00	22.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	3937098	100.000	87.202	80.00- 120.00	100.00
10.588	10.588 (1.161)	85	2555251			34.69- 94.69	64.90
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	3689777	100.000	91.424	80.00- 120.00	100.00
11.528	11.528 (1.264)	77	1175715			1.96- 61.96	31.86
11.528	11.528 (1.264)	39	2038431			25.45- 85.45	55.25
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	2363622	100.000	80.797	80.00- 120.00	100.00
11.887	11.887 (1.303)	43	6441435			0.00- 30.00	272.52
11.887	11.887 (1.303)	85	961994			0.00- 30.00	40.70
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	8375186	100.000	89.671	80.00- 120.00	100.00
12.108	12.108 (1.327)	92	5003434			30.20- 90.20	59.74
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	3540131	100.000	91.788	80.00- 120.00	100.00
12.717	12.717 (0.878)	77	1098520			1.26- 61.26	31.03
12.717	12.717 (0.878)	39	2004161			27.22- 87.22	56.61
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	2703771	100.000	94.717	80.00- 120.00	100.00
13.021	13.021 (0.899)	99	1699326			32.87- 92.87	62.85
13.021	13.021 (0.899)	83	2278564			55.53- 115.53	84.27
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	3425491	100.000	88.070	80.00- 120.00	100.00
13.076	13.076 (0.903)	129	2703941			51.23- 111.23	78.94
13.076	13.076 (0.903)	131	2599724			47.48- 107.48	75.89
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	3338004	100.000	98.785	80.00- 120.00	100.00
13.463	13.463 (0.929)	43	6430599			162.00- 222.00	192.65
13.463	13.463 (0.929)	100	656054			0.00- 30.00	19.65
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.601 (0.939)	129	4065079	100.000	88.912	80.00- 120.00	100.00
13.601	13.601 (0.939)	127	3144896			0.00- 30.00	77.36
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	4383116	100.000	86.894	80.00- 120.00	100.00
13.767	13.767 (0.950)	109	4160207			65.34- 125.34	94.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	7439647	100.000	90.539	80.00- 120.00	100.00
14.514	14.514 (1.002)	114	2260747			0.74- 60.74	30.39
14.514	14.514 (1.002)	77	3684937			21.12- 81.12	49.53
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	3816839	100.000	91.896	80.00- 120.00	100.00
14.652	14.652 (1.011)	91	11490310			0.00- 30.00	301.04
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	5020618	100.000	89.246	80.00- 120.00	100.00
14.846	14.846 (1.025)	91	9374292			0.00- 30.00	186.72
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	4630410	100.000	87.834	80.00- 120.00	100.00
15.399	15.399 (1.063)	91	8988785			162.01- 222.01	194.13
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	7692350	100.000	92.778	80.00- 120.00	100.00
15.426	15.426 (1.065)	78	3070750			10.74- 70.74	39.92
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	3639588	100.000	95.559	80.00- 120.00	100.00
15.675	15.675 (1.082)	171	1842749			21.03- 81.03	50.63
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	13008360	100.000	92.244	80.00- 120.00	100.00
15.869	15.869 (1.095)	120	3591771			0.00- 30.00	27.61
15.869	15.869 (1.095)	51	1246199			0.00- 30.00	9.58
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	6577603	100.000	90.192	80.00- 120.00	100.00
16.366	16.366 (1.130)	85	4184822			34.08- 94.08	63.62
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	15874413	100.000	97.359	80.00- 120.00	100.00
16.394	16.394 (1.132)	120	3747926			0.00- 30.00	23.61
16.394	16.394 (1.132)	105	529113			0.00- 30.00	3.33
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	14356136	100.000	102.30	80.00- 120.00	100.00
16.560	16.560 (1.143)	120	4441215			1.66- 61.66	30.94
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	12800693	100.000	90.538	80.00- 120.00	100.00
16.643	16.643 (1.149)	120	6533185			0.00- 30.00	51.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	10446469	100.000	93.983	80.00- 120.00	100.00
17.058	17.058 (1.178)	120	5054017			18.19- 78.19	48.38
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.389 (1.200)	146	6453718	100.000	92.491	80.00- 120.00	100.00
17.389	17.389 (1.200)	148	4074163			0.00- 30.00	63.13
17.362	17.362 (1.198)	111	2724582			0.00- 30.00	42.22
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	8235807	100.000	85.673	80.00- 120.00	100.00
17.472	17.472 (1.206)	148	4661244			0.00- 30.00	56.60
17.472	17.472 (1.206)	111	3404484			0.00- 30.00	41.34
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	8944724	100.000	94.350	80.00- 120.00	100.00
17.638	17.638 (1.218)	126	2047575			0.00- 30.00	22.89
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	6815012	100.000	83.100	80.00- 120.00	100.00
17.832	17.832 (1.231)	148	4176549			31.63- 91.63	61.28
17.832	17.832 (1.231)	111	3146963			16.49- 76.49	46.18
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	5224398	100.000	84.868	80.00- 120.00	100.00
19.214	19.214 (1.326)	182	4951602			65.47- 125.47	94.78
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	3858525	100.000	88.834	80.00- 120.00	100.00
19.297	19.297 (1.332)	223	2442657			34.26- 94.26	63.31
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	13387524	100.000	81.017	80.00- 120.00	100.00
19.408	19.408 (1.340)	127	1527089			0.00- 30.00	11.41

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082307.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 100ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	438404	-2.33
88 1,4-Difluorobenze	1960621	1176373	2744869	1980938	1.04
125 Chlorobenzene-d5	1588341	953005	2223677	1608574	1.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

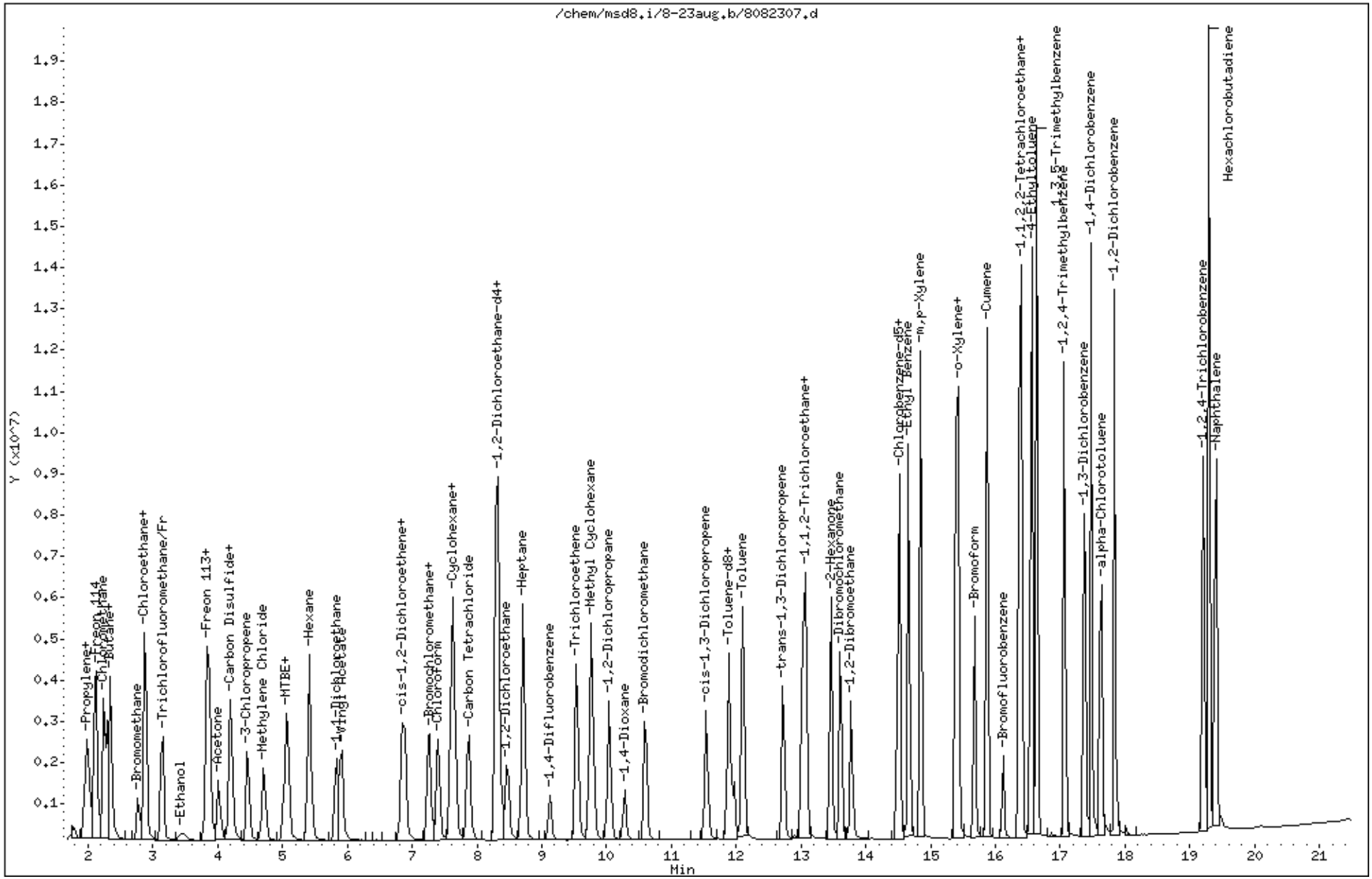
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0127

Data File: /chem/msd8.i/8-23aug.b/8082307.d
Date : 23-AUG-2007 18:42
Client ID: Level 6
Sample Info: 100ml #1443-266

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-23aug.b/8082308.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 23-AUG-2007 19:12
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #1443-266
Misc Info : 200ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-23aug.b/t14q823a.m
Meth Date : 23-Aug-2007 21:45 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 19:12 Cal File: 8082308.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	442667	25.0000		70.00- 130.00	100.00
7.270	7.270 (1.000)	128	338576			46.13- 106.13	76.49
7.270	7.270 (1.000)	49	718307			126.06- 186.06	162.27
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.122	9.122 (1.000)	114	1977308	25.0000		70.00- 130.00	100.00
9.122	9.122 (1.000)	88	297424			0.00- 44.25	15.04
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1635453	25.0000		70.00- 130.00	100.00
14.459	14.459 (1.000)	82	838879			0.00- 30.00	51.29
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.320	8.320 (1.145)	65	531589	25.0000	26.809	70.00- 130.00	100.00
8.320	8.320 (1.145)	67	401395			0.00- 30.00	75.51
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.312)	98	1811291	25.0000	25.259	70.00- 130.00	100.00
11.970	11.970 (1.312)	70	170938			0.00- 30.00	9.44

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1337306			0.00- 30.00	73.83
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.117	16.117 (1.113)	174	765102	25.0000	26.466	70.00- 130.00	100.00
16.117	16.117 (1.113)	95	1091913			110.99- 170.99	142.71
16.117	16.117 (1.113)	176	724068			66.16- 126.16	94.64
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.270)	41	3703899	200.000	174.21	70.00- 130.00	100.00
1.961	1.961 (0.270)	42	2473492			0.00- 30.00	66.78
1.961	1.961 (0.270)	39	2654300			0.00- 30.00	71.66
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.274)	85	8164861	200.000	177.01	70.00- 130.00	100.00
1.989	1.989 (0.274)	87	2531464			0.00- 30.00	31.00
6 Freon 114					CAS #: 76-14-2		
2.155	2.155 (0.296)	135	6849979	200.000	184.12	70.00- 130.00	100.00
2.155	2.155 (0.296)	137	2169709			1.61- 61.61	31.67
8 Chloromethane					CAS #: 74-87-3		
2.237	2.237 (0.308)	50	5008256	200.000	185.78	70.00- 130.00	100.00
2.237	2.237 (0.308)	52	1377477			0.00- 30.00	27.50
9 Butane					CAS #: 106-97-8		
2.320	2.320 (0.319)	58	1045822	200.000	168.11	70.00- 130.00	100.00
2.320	2.320 (0.319)	43	8398347			0.00- 30.00	803.04
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.323)	62	4547531	200.000	177.79	70.00- 130.00	100.00
2.348	2.348 (0.323)	64	1392816			0.00- 30.00	30.63
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	3898800	200.000	190.62	70.00- 130.00	100.00
2.348	2.348 (0.323)	39	5055848			0.00- 30.00	129.68
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.380)	94	3482257	200.000	183.27	70.00- 130.00	100.00
2.763	2.763 (0.380)	96	3237405			60.69- 120.69	92.97
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.395)	64	2401575	200.000	176.50	70.00- 130.00	100.00
2.873	2.873 (0.395)	49	656640			0.00- 30.00	27.34
2.873	2.873 (0.395)	66	697939			0.00- 30.00	29.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.395)	43	6971879	200.000	181.47	70.00- 130.00	100.00
2.873	2.873 (0.395)	57	4309914			0.00- 30.00	61.82
2.873	2.873 (0.395)	72	433616			0.00- 30.00	6.22
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.150	3.150 (0.433)	101	8536005	200.000	184.79	70.00- 130.00	100.00
3.150	3.150 (0.433)	103	5515766			35.07- 95.07	64.62
23 Ethanol					CAS #: 64-17-5		
3.482	3.482 (0.479)	45	1461273	200.000	174.26	70.00- 130.00	100.00
3.482	3.482 (0.479)	43	276888			0.00- 30.00	18.95
3.482	3.482 (0.479)	46	577350			0.00- 30.00	39.51
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	5817285	200.000	177.83	70.00- 130.00	100.00
3.841	3.841 (0.528)	153	3675249			33.90- 93.90	63.18
3.841	3.841 (0.528)	101	7604274			101.46- 161.46	130.72
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	6452062	200.000	177.96	70.00- 130.00	100.00
3.869	3.869 (0.532)	96	3850841			31.27- 91.27	59.68
3.869	3.869 (0.532)	98	2457084			8.98- 68.98	38.08
30 Acetone					CAS #: 67-64-1		
4.007	4.007 (0.551)	58	2240592	200.000	178.31	70.00- 130.00	100.00
4.007	4.007 (0.551)	43	7448229			0.00- 30.00	332.42
33 Carbon Disulfide					CAS #: 75-15-0		
4.201	4.201 (0.578)	76	12065791	200.000	179.70	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	8572712	200.000	189.77	70.00- 130.00	100.00
4.201	4.201 (0.578)	43	1720948			0.00- 30.00	20.07
4.201	4.201 (0.578)	59	291969			0.00- 30.00	3.41
37 3-Chloropropene					CAS #: 107-05-1		
4.449	4.449 (0.612)	76	1912716	200.000	193.57	70.00- 130.00	100.00
4.449	4.449 (0.612)	41	6804355			0.00- 30.00	355.74
40 Methylene Chloride					CAS #: 75-09-2		
4.726	4.726 (0.650)	49	5110471	200.000	176.25	70.00- 130.00	100.00
4.726	4.726 (0.650)	84	3364955			37.63- 97.63	65.84
4.726	4.726 (0.650)	51	1536295			0.00- 30.00	30.06
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	3996364	200.000	155.58	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.030	5.030 (0.692)	57	1117938			0.00- 57.54	27.97
5.030	5.030 (0.692)	41	1171412			0.00- 30.00	29.31
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.085	5.085 (0.700)	96	4568852	200.000	172.16	70.00- 130.00	100.00
5.058	5.058 (0.696)	61	6944209			121.91- 181.91	151.99
5.085	5.085 (0.700)	98	2900492			0.00- 30.00	63.48
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	8896768	200.000	181.01	70.00- 130.00	100.00
5.417	5.417 (0.745)	43	6031905			0.00- 30.00	67.80
5.417	5.417 (0.745)	86	1360826			0.00- 30.00	15.30
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	8253901	200.000	182.28	70.00- 130.00	100.00
5.832	5.832 (0.802)	65	2486868			0.00- 59.86	30.13
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	1223742	200.000	194.07	70.00- 130.00	100.00
5.887	5.887 (0.810)	43	14689134			0.00- 30.00	1200.35
5.915	5.915 (0.814)	42	1045765			0.00- 30.00	85.46
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.827 (0.939)	61	6252274	200.000	181.52	70.00- 130.00	100.00
6.827	6.827 (0.939)	96	4669361			43.76- 103.76	74.68
6.827	6.827 (0.939)	98	2961678			17.82- 77.82	47.37
65 2-Butanone					CAS #: 78-93-3		
6.883	6.883 (0.947)	72	2364702	200.000	184.99	70.00- 130.00	100.00
6.883	6.883 (0.947)	43	11426043			442.32- 502.32	483.19
6.883	6.883 (0.947)	57	791741			0.00- 30.00	33.48
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (0.996)	42	6877108	200.000	179.40	70.00- 130.00	100.00
7.242	7.242 (0.996)	71	2104029			0.02- 60.02	30.59
7.242	7.242 (0.996)	72	2339392			0.00- 30.00	34.02
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	7644624	200.000	162.40	70.00- 130.00	100.00
7.408	7.408 (1.019)	85	4971494			35.44- 95.44	65.03
73 Cyclohexane					CAS #: 110-82-7		
7.601	7.601 (1.046)	84	7077842	200.000	174.62	70.00- 130.00	100.00
7.601	7.601 (1.046)	56	9224436			100.05- 160.05	130.33
7.601	7.601 (1.046)	41	5046268			42.52- 102.52	71.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.629	7.629 (1.049)	97	7275138	200.000	183.16	70.00- 130.00	100.00
7.629	7.629 (1.049)	99	4668850			35.50- 95.50	64.18
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	7004809	200.000	183.36	70.00- 130.00	100.00
7.878	7.878 (1.084)	117	7205885			74.76- 134.76	102.87
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	15112986	200.000	177.97	70.00- 130.00	100.00
8.293	8.293 (0.909)	77	3348651			0.00- 30.00	22.16
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	29349821	200.000	192.60	70.00- 130.00	100.00
8.320	8.320 (1.145)	56	8946834			0.00- 30.00	30.48
8.320	8.320 (1.145)	41	6913481			0.00- 30.00	23.56
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.459 (0.927)	62	5303660	200.000	182.30	70.00- 130.00	100.00
8.459	8.459 (0.927)	64	1602210			0.00- 30.00	30.21
85 Heptane					CAS #: 142-82-5		
8.707	8.707 (0.955)	100	1790334	200.000	175.75	70.00- 130.00	100.00
8.707	8.707 (0.955)	43	11244104			0.00- 30.00	628.05
8.707	8.707 (0.955)	71	5479203			0.00- 30.00	306.04
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	5945857	200.000	177.14	70.00- 130.00	100.00
9.537	9.537 (1.045)	130	6215566			75.94- 135.94	104.54
9.537	9.537 (1.045)	97	3714528			32.72- 92.72	62.47
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	9719684	200.000	182.10	70.00- 130.00	100.00
9.758	9.758 (1.342)	98	4529996			0.00- 30.00	46.61
9.758	9.758 (1.342)	55	8094154			0.00- 30.00	83.28
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	5524938	200.000	178.39	70.00- 130.00	100.00
10.035	10.035 (1.100)	62	3863668			41.42- 101.42	69.93
10.035	10.035 (1.100)	41	3140287			28.00- 88.00	56.84
98 1,4-Dioxane					CAS #: 123-91-1		
10.283	10.283 (1.127)	88	3560588	200.000	188.72	70.00- 130.00	100.00
10.283	10.283 (1.127)	58	2642999			43.34- 103.34	74.23
10.283	10.283 (1.127)	57	795365			0.00- 30.00	22.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	8047427	200.000	182.48	70.00- 130.00	100.00
10.588	10.588 (1.161)	85	5122930			34.69- 94.69	63.66
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	7405740	200.000	186.85	70.00- 130.00	100.00
11.528	11.528 (1.264)	77	2346947			1.96- 61.96	31.69
11.528	11.528 (1.264)	39	4069900			25.45- 85.45	54.96
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	4797993	200.000	170.39	70.00- 130.00	100.00
11.887	11.887 (1.303)	43	13249408			0.00- 30.00	276.14
11.887	11.887 (1.303)	85	1946712			0.00- 30.00	40.57
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	17183182	200.000	187.25	70.00- 130.00	100.00
12.108	12.108 (1.327)	92	10200696			30.20- 90.20	59.36
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	7152989	200.000	185.68	70.00- 130.00	100.00
12.717	12.717 (0.878)	77	2240890			1.26- 61.26	31.33
12.717	12.717 (0.878)	39	4044841			27.22- 87.22	56.55
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	5436904	200.000	189.74	70.00- 130.00	100.00
13.021	13.021 (0.899)	99	3396303			32.87- 92.87	62.47
13.021	13.021 (0.899)	83	4655950			55.53- 115.53	85.64
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	6839225	200.000	177.76	70.00- 130.00	100.00
13.076	13.076 (0.903)	129	5414521			51.23- 111.23	79.17
13.076	13.076 (0.903)	131	5207859			47.48- 107.48	76.15
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	6669262	200.000	195.56	70.00- 130.00	100.00
13.463	13.463 (0.929)	43	13264617			162.00- 222.00	198.89
13.463	13.463 (0.929)	100	1315930			0.00- 30.00	19.73
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.601 (0.939)	129	8407719	200.000	184.40	70.00- 130.00	100.00
13.601	13.601 (0.939)	127	6503462			0.00- 30.00	77.35
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	8840731	200.000	177.28	70.00- 130.00	100.00
13.767	13.767 (0.950)	109	8393544			65.34- 125.34	94.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	15306079	200.000	186.34	70.00- 130.00	100.00
14.514	14.514 (1.002)	114	4550955			0.74- 60.74	29.73
14.514	14.514 (1.002)	77	7552570			21.12- 81.12	49.34
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	7812965	200.000	187.83	70.00- 130.00	100.00
14.652	14.652 (1.011)	91	22190941			0.00- 30.00	284.03
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	10179073	200.000	181.98	70.00- 130.00	100.00
14.846	14.846 (1.025)	91	18220717			0.00- 30.00	179.00
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	9192087	200.000	176.53	70.00- 130.00	100.00
15.399	15.399 (1.063)	91	18210632			162.01- 222.01	198.11
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	16169576	200.000	193.13	70.00- 130.00	100.00
15.426	15.426 (1.065)	78	6151092			10.74- 70.74	38.04
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	7555363	200.000	196.07	70.00- 130.00	100.00
15.675	15.675 (1.082)	171	3849077			21.03- 81.03	50.94
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	21838181	200.000	158.62	70.00- 130.00	100.00
15.869	15.869 (1.095)	120	7245677			0.00- 30.00	33.18
15.869	15.869 (1.095)	51	2534314			0.00- 30.00	11.60
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	13556753	200.000	186.03	70.00- 130.00	100.00
16.366	16.366 (1.130)	85	8486263			34.08- 94.08	62.60
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	22078571	200.000	142.72	70.00- 130.00	100.00
16.394	16.394 (1.132)	120	7589557			0.00- 30.00	34.38
16.394	16.394 (1.132)	105	1064009			0.00- 30.00	4.82
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	20592602	200.000	152.84	70.00- 130.00	100.00
16.560	16.560 (1.143)	120	8900004			1.66- 61.66	43.22
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	17202218	200.000	130.12	70.00- 130.00	100.00
16.643	16.643 (1.149)	120	13521617			0.00- 30.00	78.60

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	21224096	200.000	190.12	70.00- 130.00	100.00
17.058	17.058 (1.178)	120	10082758			18.19- 78.19	47.51
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.389 (1.200)	146	13249913	200.000	189.27	70.00- 130.00	100.00
17.389	17.389 (1.200)	148	8188857			0.00- 30.00	61.80
17.362	17.362 (1.198)	111	5416032			0.00- 30.00	40.88
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	16443091	200.000	173.76	70.00- 130.00	100.00
17.472	17.472 (1.206)	148	9761682			0.00- 30.00	59.37
17.472	17.472 (1.206)	111	6378523			0.00- 30.00	38.79
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	18599496	200.000	194.33	70.00- 130.00	100.00
17.638	17.638 (1.218)	126	4170944			0.00- 30.00	22.43
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	14577477	200.000	179.35	70.00- 130.00	100.00
17.832	17.832 (1.231)	148	8790466			31.63- 91.63	60.30
17.832	17.832 (1.231)	111	6583265			16.49- 76.49	45.16
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	11313789	200.000	185.22	70.00- 130.00	100.00
19.214	19.214 (1.326)	182	10771555			65.47- 125.47	95.21
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	7493107	200.000	176.36	70.00- 130.00	100.00
19.297	19.297 (1.332)	223	4714038			34.26- 94.26	62.91
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	21655255	200.000	141.47	70.00- 130.00	100.00
19.408	19.408 (1.340)	127	3261486			0.00- 30.00	15.06

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082308.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-23aug.b/t14q823a.m
Misc Info: 200ppbv (200ppbv)

Calibration Date: 23-AUG-2007
Calibration Time: 18:14
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448885	269331	628439	442667	-1.39
88 1,4-Difluorobenze	1960621	1176373	2744869	1977308	0.85
125 Chlorobenzene-d5	1588341	953005	2223677	1635453	2.97

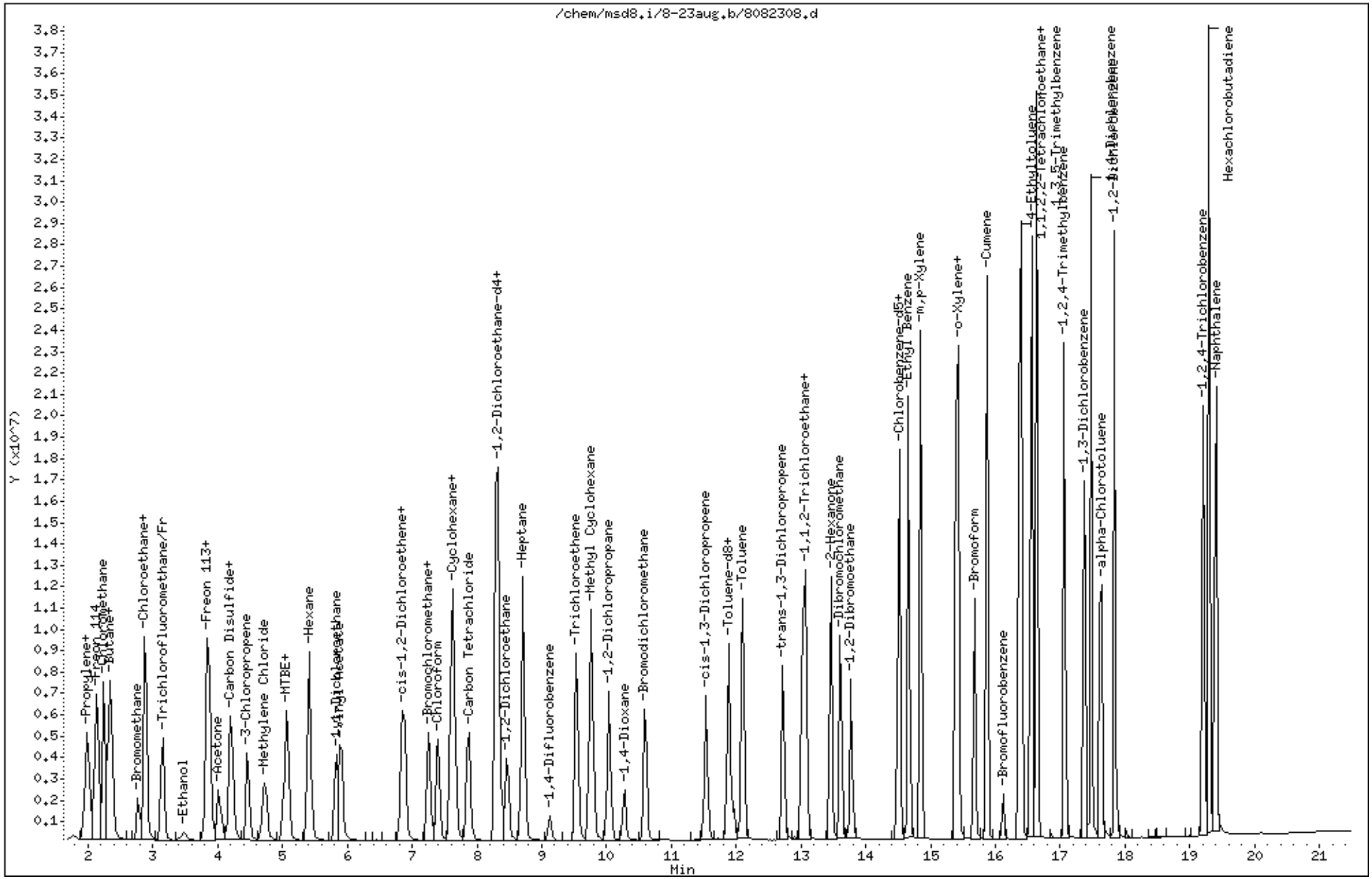
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.12	8.79	9.45	9.12	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

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

Data File: /chem/msd8.i/8-23aug.b/8082308.d
Date : 23-AUG-2007 19:12
Client ID: Level 7
Sample Info: 200ml #1443-266

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

Column phase: RTx-624



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708361-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 09:03 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708361-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 09:03 AM**	

Compound	%Recovery
Heptane	89
Bromodichloromethane	94
Dibromochloromethane	95
Cumene	97
Propylbenzene	102
Chloromethane	91
1,2,4-Trichlorobenzene	81
Hexachlorobutadiene	87
Acetone	86
Carbon Disulfide	86
2-Propanol	97
trans-1,2-Dichloroethene	86
2-Butanone (Methyl Ethyl Ketone)	95
Tetrahydrofuran	96
1,4-Dioxane	93
4-Methyl-2-pentanone	88
2-Hexanone	101
Bromoform	97
4-Ethyltoluene	105
Ethanol	94
Methyl tert-butyl ether	81
3-Chloropropene	99
2,2,4-Trimethylpentane	97
Naphthalene	79

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 27-AUG-2007 09:03
Lab File ID: 8082702.d Init. Cal. Date(s): 23-AUG-2007 23-AUG-2007
Analysis Type: AIR Init. Cal. Times: 16:21 22:10
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-27aug.b/t14q823a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 82 1,2-Dichloroethane-d4	1.11468	1.20120	0.010	-7.76148	30.00000	Averaged
$ 104 Toluene-d8	0.90594	0.94027	0.010	-3.78951	30.00000	Averaged
$ 140 Bromofluorobenzene	0.44099	0.44673	0.010	-1.30264	30.00000	Averaged
3 Propylene	1.17735	1.01050	0.010	14.17188	30.00000	Averaged
4 Dichlorodifluoromethane/Fr1	2.54976	2.08538	0.010	18.21253	30.00000	Averaged
6 Freon 114	2.08465	1.87791	0.010	9.91692	30.00000	Averaged
8 Chloromethane	1.49074	1.35641	0.010	9.01120	30.00000	Averaged
11 Vinyl Chloride	1.42410	1.28382	0.010	9.85021	30.00000	Averaged
10 1,3-Butadiene	1.14304	1.07570	0.010	5.89088	30.00000	Averaged
13 Bromomethane	1.06135	0.92865	0.010	12.50301	30.00000	Averaged
16 Chloroethane	0.75597	0.65117	0.010	13.86365	30.00000	Averaged
18 Trichlorofluoromethane/Fr11	2.57842	2.37322	0.010	7.95845	30.00000	Averaged
23 Ethanol	0.46985	0.44318	0.010	5.67594	30.00000	Averaged
28 Freon 113	1.81132	1.58289	0.010	12.61126	30.00000	Averaged
29 1,1-Dichloroethene	2.01054	1.80029	0.010	10.45734	30.00000	Averaged
30 Acetone	0.69461	0.59839	0.010	13.85276	30.00000	Averaged
34 2-Propanol	2.52608	2.45306	0.010	2.89053	30.00000	Averaged
33 Carbon Disulfide	3.73478	3.20552	0.010	14.17115	30.00000	Averaged
37 3-Chloropropene	0.56294	0.55550	0.010	1.32309	30.00000	Averaged
40 Methylene Chloride	1.61688	1.49025	0.010	7.83185	30.00000	Averaged
43 MTBE	1.44483	1.16960	0.010	19.04910	30.00000	Averaged
45 trans-1,2-Dichloroethene	1.46621	1.25420	0.010	14.45995	30.00000	Averaged
46 Hexane	2.73595	2.44498	0.010	10.63487	30.00000	Averaged
54 1,1-Dichloroethane	2.52886	2.36057	0.010	6.65506	30.00000	Averaged
55 Vinyl Acetate	0.35025	0.32838	0.010	6.24343	30.00000	Averaged
65 2-Butanone	0.71104	0.67370	0.010	5.25095	30.00000	Averaged
64 cis-1,2-Dichloroethene	1.92242	1.82050	0.010	5.30147	30.00000	Averaged
67 Tetrahydrofuran	2.12582	2.04250	0.010	3.91932	30.00000	Averaged
70 Chloroform	2.59006	2.24532	0.010	13.31014	30.00000	Averaged
75 1,1,1-Trichloroethane	2.22446	2.17443	0.010	2.24941	30.00000	Averaged
73 Cyclohexane	2.24477	1.99918	0.010	10.94064	30.00000	Averaged
77 Carbon Tetrachloride	2.13251	2.07021	0.010	2.92143	30.00000	Averaged
80 2,2,4-Trimethylpentane	8.48963	8.23330	0.010	3.01938	30.00000	Averaged
81 Benzene	1.05842	0.90092	0.010	14.88046	30.00000	Averaged
83 1,2-Dichloroethane	0.36429	0.35216	0.010	3.32929	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 27-AUG-2007 09:03
Lab File ID: 8082702.d Init. Cal. Date(s): 23-AUG-2007 23-AUG-2007
Analysis Type: AIR Init. Cal. Times: 16:21 22:10
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-27aug.b/t14q823a.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
85 Heptane	0.12622	0.11272	0.010	10.69572	30.00000	Averaged
94 Trichloroethene	0.41768	0.37251	0.010	10.81281	30.00000	Averaged
97 1,2-Dichloropropane	0.38412	0.34583	0.010	9.96955	30.00000	Averaged
98 1,4-Dioxane	0.23633	0.22013	0.010	6.85686	30.00000	Averaged
100 Bromodichloromethane	0.55108	0.51891	0.010	5.83674	30.00000	Averaged
102 cis-1,3-Dichloropropene	0.49681	0.46907	0.010	5.58360	30.00000	Averaged
103 4-Methyl-2-pentanone	0.34755	0.30611	0.010	11.92508	30.00000	Averaged
105 Toluene	1.14806	1.09093	0.010	4.97643	30.00000	Averaged
108 trans-1,3-Dichloropropene	0.58167	0.56113	0.010	3.53059	30.00000	Averaged
110 1,1,2-Trichloroethane	0.43673	0.43491	0.010	0.41684	30.00000	Averaged
112 Tetrachloroethene	0.57973	0.55111	0.010	4.93513	30.00000	Averaged
114 2-Hexanone	0.51264	0.51803	0.010	-1.05151	30.00000	Averaged
116 Dibromochloromethane	0.68256	0.64604	0.010	5.35077	30.00000	Averaged
117 1,2-Dibromoethane	0.74758	0.69121	0.010	7.54068	30.00000	Averaged
126 Chlorobenzene	1.23730	1.14402	0.010	7.53909	30.00000	Averaged
129 Ethyl Benzene	0.62798	0.59783	0.010	4.80095	30.00000	Averaged
130 m,p-Xylene	0.83822	0.78817	0.010	5.97155	30.00000	Averaged
132 o-Xylene	0.77981	0.71998	0.010	7.67331	30.00000	Averaged
134 Styrene	1.26164	1.14289	0.010	9.41234	30.00000	Averaged
135 Bromoform	0.58283	0.56553	0.010	2.96848	30.00000	Averaged
144 1,1,2,2-Tetrachloroethane	1.09183	1.02992	0.010	5.67052	30.00000	Averaged
147 4-Ethyltoluene	2.04778	2.14546	0.010	-4.77011	30.00000	Averaged
148 1,3,5-Trimethylbenzene	2.00194	1.97776	0.010	1.20748	30.00000	Averaged
153 1,2,4-Trimethylbenzene	1.66915	1.55875	0.010	6.61375	30.00000	Averaged
156 1,3-Dichlorobenzene	1.05008	0.99168	0.010	5.56190	30.00000	Averaged
157 1,4-Dichlorobenzene	1.40912	1.21238	0.010	13.96185	30.00000	Averaged
158 alpha-Chlorotoluene	1.41990	1.32294	0.010	6.82848	30.00000	Averaged
161 1,2-Dichlorobenzene	1.20061	0.98679	0.010	17.80931	30.00000	Averaged
167 1,2,4-Trichlorobenzene	0.90876	0.73286	0.010	19.35611	30.00000	Averaged
168 Hexachlorobutadiene	0.62873	0.54531	0.010	13.26826	30.00000	Averaged
145 Propylbenzene	2.35129	2.40720	0.010	-2.37754	30.00000	Averaged
137 Cumene	2.07954	2.02322	0.010	2.70851	30.00000	Averaged
169 Naphthalene	2.26556	1.78909	0.010	21.03101	30.00000	Averaged
9 Butane	0.34494	0.29507	0.010	14.45789	30.00000	Averaged
15 Isopentane	2.12785	1.92138	0.010	9.70322	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 27-AUG-2007 09:03
Lab File ID: 8082702.d Init. Cal. Date(s): 23-AUG-2007 23-AUG-2007
Analysis Type: AIR Init. Cal. Times: 16:21 22:10
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-27aug.b/t14q823a.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
95 Methyl Cyclohexane	2.97394	2.80232	0.010	5.77083	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-27aug.b/8082702.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 27-AUG-2007 09:03
Operator : lmr Inst ID: msd8.i
Smp Info : 50ml #1443-266
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd8.i/8-27aug.b/t14q823a.m
Meth Date : 27-Aug-2007 09:12 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.270	7.270 (1.000)	130	474833	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	372177			48.38- 108.38	78.38
7.270	7.270 (1.000)	49	802174			138.94- 198.94	168.94
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.150	9.150 (1.000)	114	2226801	25.0000		80.00- 120.00	100.00
9.122	9.122 (1.000)	88	334336			0.00- 45.01	15.01
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.486	14.486 (1.000)	117	1791943	25.0000		80.00- 120.00	100.00
14.486	14.486 (1.000)	82	938411			0.00- 30.00	52.37
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.348	8.348 (1.148)	65	570369	25.0000	26.940	80.00- 120.00	100.00
8.348	8.348 (1.148)	67	352654			0.00- 30.00	61.83
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.970	11.970 (1.308)	98	2093805	25.0000	25.947	80.00- 120.00	100.00
11.970	11.970 (1.308)	70	194214			0.00- 30.00	9.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.308)	100	1922394			0.00- 30.00	91.81
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	800518	25.0000	25.326	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1227749			123.37- 183.37	153.37
16.118	16.118 (1.113)	176	765295			65.60- 125.60	95.60
3 Propylene					CAS #: 115-07-1		
1.989	1.989 (0.274)	41	959638	50.0000	42.914	80.00- 120.00	100.00
1.989	1.989 (0.274)	42	654805			0.00- 30.00	68.23
1.989	1.989 (0.274)	39	699543			0.00- 30.00	72.90
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.016	2.016 (0.277)	85	1980416	50.0000	40.894	80.00- 120.00	100.00
2.016	2.016 (0.277)	87	609826			0.00- 30.00	30.79
6 Freon 114					CAS #: 76-14-2		
2.127	2.127 (0.293)	135	1783390	50.0000	45.042	80.00- 120.00	100.00
2.127	2.127 (0.293)	137	578129			2.42- 62.42	32.42
8 Chloromethane					CAS #: 74-87-3		
2.238	2.238 (0.308)	50	1288137	50.0000	45.494	80.00- 120.00	100.00
2.238	2.238 (0.308)	52	395276			0.00- 30.00	30.69
11 Vinyl Chloride					CAS #: 75-01-4		
2.376	2.376 (0.327)	62	1219204	50.0000	45.075	80.00- 120.00	100.00
2.376	2.376 (0.327)	64	364391			0.00- 30.00	29.89
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	1021557	50.0000	47.054	80.00- 120.00	100.00
2.348	2.348 (0.323)	39	1176812			0.00- 30.00	115.20
13 Bromomethane					CAS #: 74-83-9		
2.791	2.791 (0.384)	94	881904	50.0000	43.748	80.00- 120.00	100.00
2.791	2.791 (0.384)	96	805812			61.37- 121.37	91.37
16 Chloroethane					CAS #: 75-00-3		
2.901	2.901 (0.399)	64	618390	50.0000	43.068	80.00- 120.00	100.00
2.901	2.901 (0.399)	49	183908			0.00- 30.00	29.74
2.901	2.901 (0.399)	66	192886			0.00- 30.00	31.19
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.150	3.150 (0.433)	101	2253767	50.0000	46.021	80.00- 120.00	100.00
3.150	3.150 (0.433)	103	1479168			35.63- 95.63	65.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.454	3.454 (0.475)	45	420874	50.0000	47.162	80.00- 120.00	100.00
3.454	3.454 (0.475)	43	82087			0.00- 30.00	19.50
3.454	3.454 (0.475)	46	161480			0.00- 30.00	38.37
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	1503216	50.0000	43.694	80.00- 120.00	100.00
3.841	3.841 (0.528)	153	955616			33.57- 93.57	63.57
3.841	3.841 (0.528)	101	1947363			99.55- 159.55	129.55
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	1709676	50.0000	44.771	80.00- 120.00	100.00
3.897	3.897 (0.536)	96	978091			27.21- 87.21	57.21
3.897	3.897 (0.536)	98	639218			7.39- 67.39	37.39
30 Acetone					CAS #: 67-64-1		
4.035	4.035 (0.555)	58	568270	50.0000	43.074	80.00- 120.00	100.00
4.035	4.035 (0.555)	43	2023487			0.00- 30.00	356.08
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	2329587	50.0000	48.555	80.00- 120.00	100.00
4.201	4.201 (0.578)	43	499876			0.00- 30.00	21.46
4.201	4.201 (0.578)	59	73133			0.00- 30.00	3.14
33 Carbon Disulfide					CAS #: 75-15-0		
4.201	4.201 (0.578)	76	3044171	50.0000	42.914	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.477	4.477 (0.616)	76	527535	50.0000	49.338	80.00- 120.00	100.00
4.477	4.477 (0.616)	41	1946874			0.00- 30.00	369.05
40 Methylene Chloride					CAS #: 75-09-2		
4.726	4.726 (0.650)	49	1415240	50.0000	46.084	80.00- 120.00	100.00
4.726	4.726 (0.650)	84	898479			33.49- 93.49	63.49
4.726	4.726 (0.650)	51	419257			0.00- 30.00	29.62
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	1110733	50.0000	40.475	80.00- 120.00	100.00
5.030	5.030 (0.692)	57	312176			0.00- 58.11	28.11
5.030	5.030 (0.692)	41	340647			0.00- 30.00	30.67
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.086	5.086 (0.700)	96	1191067	50.0000	42.770	80.00- 120.00	100.00
5.086	5.086 (0.700)	61	1854766			125.72- 185.72	155.72
5.086	5.086 (0.700)	98	768528			0.00- 30.00	64.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	2321919	50.0000	44.682	80.00- 120.00	100.00
5.417	5.417 (0.745)	43	1644325			0.00- 30.00	70.82
5.417	5.417 (0.745)	86	366126			0.00- 30.00	15.77
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	2241750	50.0000	46.672	80.00- 120.00	100.00
5.832	5.832 (0.802)	65	673777			0.06- 60.06	30.06
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	311855	50.0000	46.878	80.00- 120.00	100.00
5.915	5.915 (0.814)	43	3851104			0.00- 30.00	1234.90
5.915	5.915 (0.814)	42	302868			0.00- 30.00	97.12
65 2-Butanone					CAS #: 78-93-3		
6.910	6.910 (0.951)	72	639791	50.0000	47.374	80.00- 120.00	100.00
6.910	6.910 (0.951)	43	3137477			460.39- 520.39	490.39
6.910	6.910 (0.951)	57	208349			0.00- 30.00	32.57
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.855	6.855 (0.943)	61	1728867	50.0000	47.349	80.00- 120.00	100.00
6.855	6.855 (0.943)	96	1259361			42.84- 102.84	72.84
6.855	6.855 (0.943)	98	809482			16.82- 76.82	46.82
67 Tetrahydrofuran					CAS #: 109-99-9		
7.270	7.270 (1.000)	42	1939692	50.0000	48.040	80.00- 120.00	100.00
7.270	7.270 (1.000)	71	562200			0.00- 58.98	28.98
7.270	7.270 (1.000)	72	624866			0.00- 30.00	32.21
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	2132302	50.0000	43.345	80.00- 120.00	100.00
7.408	7.408 (1.019)	85	1389707			35.17- 95.17	65.17
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.657	7.657 (1.053)	97	2064979	50.0000	48.875	80.00- 120.00	100.00
7.657	7.657 (1.053)	99	1327521			34.29- 94.29	64.29
73 Cyclohexane					CAS #: 110-82-7		
7.629	7.629 (1.049)	84	1898550	50.0000	44.530	80.00- 120.00	100.00
7.629	7.629 (1.049)	56	2553546			104.50- 164.50	134.50
7.629	7.629 (1.049)	41	1452557			46.51- 106.51	76.51
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	1966006	50.0000	48.539	80.00- 120.00	100.00
7.878	7.878 (1.084)	117	2026785			73.09- 133.09	103.09

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	7818883	50.0000	48.490	80.00- 120.00	100.00
8.320	8.320 (1.145)	56	2482691			0.00- 30.00	31.75
8.320	8.320 (1.145)	41	2018805			0.00- 30.00	25.82
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.906)	78	4012346	50.0000	42.560	80.00- 120.00	100.00
8.293	8.293 (0.906)	77	931636			0.00- 30.00	23.22
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.486	8.486 (0.927)	62	1568390	50.0000	48.335	80.00- 120.00	100.00
8.486	8.486 (0.927)	64	464460			0.00- 30.00	29.61
85 Heptane					CAS #: 142-82-5		
8.735	8.735 (0.955)	100	501995	50.0000	44.652	80.00- 120.00	100.00
8.708	8.708 (0.952)	43	3197992			0.00- 30.00	637.06
8.735	8.735 (0.955)	71	1497091			0.00- 30.00	298.23
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.042)	95	1659029	50.0000	44.594	80.00- 120.00	100.00
9.537	9.537 (1.042)	130	1724576			73.95- 133.95	103.95
9.537	9.537 (1.042)	97	1037218			32.52- 92.52	62.52
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.097)	63	1540169	50.0000	45.015	80.00- 120.00	100.00
10.035	10.035 (1.097)	62	1077069			39.93- 99.93	69.93
10.035	10.035 (1.097)	41	922722			29.91- 89.91	59.91
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.124)	88	980364	50.0000	46.572	80.00- 120.00	100.00
10.284	10.284 (1.124)	58	734572			44.93- 104.93	74.93
10.284	10.284 (1.124)	57	211728			0.00- 30.00	21.60
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.157)	83	2311039	50.0000	47.082	80.00- 120.00	100.00
10.615	10.615 (1.160)	85	1472796			33.73- 93.73	63.73
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.260)	75	2089069	50.0000	47.208	80.00- 120.00	100.00
11.528	11.528 (1.260)	77	668516			2.00- 62.00	32.00
11.528	11.528 (1.260)	39	1179178			26.45- 86.45	56.45
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.299)	58	1363279	50.0000	44.037	80.00- 120.00	100.00
11.887	11.887 (1.299)	43	3673814			0.00- 30.00	269.48
11.887	11.887 (1.299)	85	552785			0.00- 30.00	40.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.323)	91	4858576	50.0000	47.512	80.00- 120.00	100.00
12.108	12.108 (1.323)	92	2893962			29.56- 89.56	59.56
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	2011039	50.0000	48.235	80.00- 120.00	100.00
12.717	12.717 (0.878)	77	638975			1.77- 61.77	31.77
12.717	12.717 (0.878)	39	1160694			27.72- 87.72	57.72
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	1558663	50.0000	49.792	80.00- 120.00	100.00
13.021	13.021 (0.899)	99	974871			32.55- 92.55	62.55
13.021	13.021 (0.899)	83	1326191			55.09- 115.09	85.09
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	1975133	50.0000	47.532	80.00- 120.00	100.00
13.076	13.076 (0.903)	129	1542972			48.12- 108.12	78.12
13.076	13.076 (0.903)	131	1483340			45.10- 105.10	75.10
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	1856570	50.0000	50.526	80.00- 120.00	100.00
13.463	13.463 (0.929)	43	3566017			162.08- 222.08	192.08
13.463	13.463 (0.929)	100	362503			0.00- 30.00	19.53
116 Dibromochloromethane					CAS #: 124-48-1		
13.602	13.602 (0.939)	129	2315336	50.0000	47.325	80.00- 120.00	100.00
13.602	13.602 (0.939)	127	1780032			0.00- 30.00	76.88
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	2477221	50.0000	46.230	80.00- 120.00	100.00
13.767	13.767 (0.950)	109	2336201			64.31- 124.31	94.31
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	4100031	50.0000	46.230	80.00- 120.00	100.00
14.514	14.514 (1.002)	114	1238733			0.21- 60.21	30.21
14.514	14.514 (1.002)	77	2173344			23.01- 83.01	53.01
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	2142562	50.0000	47.600	80.00- 120.00	100.00
14.652	14.652 (1.011)	91	6461061			0.00- 30.00	301.56
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	2824701	50.0000	47.014	80.00- 120.00	100.00
14.846	14.846 (1.025)	91	5223829			0.00- 30.00	184.93
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	2580315	50.0000	46.163	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.399	15.399 (1.063)	91	5091505			167.32- 227.32	197.32
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	4095974	50.0000	45.294	80.00- 120.00	100.00
15.426	15.426 (1.065)	78	1662201			10.58- 70.58	40.58
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	2026780	50.0000	48.516	80.00- 120.00	100.00
15.675	15.675 (1.082)	171	1054679			22.04- 82.04	52.04
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	3691121	50.0000	47.165	80.00- 120.00	100.00
16.366	16.366 (1.130)	85	2344442			33.52- 93.52	63.52
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	7689098	50.0000	52.385	80.00- 120.00	100.00
16.560	16.560 (1.143)	120	2392283			1.11- 61.11	31.11
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	7088075	50.0000	49.396	80.00- 120.00	100.00
16.643	16.643 (1.149)	120	3626151			0.00- 30.00	51.16
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	5586400	50.0000	46.693	80.00- 120.00	100.00
17.058	17.058 (1.178)	120	2701281			18.35- 78.35	48.35
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.390	17.390 (1.200)	146	3554055	50.0000	47.219	80.00- 120.00	100.00
17.390	17.390 (1.200)	148	2243047			0.00- 30.00	63.11
17.362	17.362 (1.198)	111	1462084			0.00- 30.00	41.14
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	4345022	50.0000	43.019	80.00- 120.00	100.00
17.472	17.472 (1.206)	148	2710711			0.00- 30.00	62.39
17.472	17.472 (1.206)	111	1819959			0.00- 30.00	41.89
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	4741279	50.0000	46.586	80.00- 120.00	100.00
17.638	17.638 (1.218)	126	1073840			0.00- 30.00	22.65
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	3536536	50.0000	41.095	80.00- 120.00	100.00
17.832	17.832 (1.231)	148	2199913			32.21- 92.21	62.21
17.832	17.832 (1.231)	111	1648390			16.61- 76.61	46.61

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	2626488	50.0000	40.322	80.00- 120.00	100.00
19.214	19.214 (1.326)	182	2495666			65.02- 125.02	95.02
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	1954321	50.0000	43.366	80.00- 120.00	100.00
19.297	19.297 (1.332)	223	1256740			34.31- 94.31	64.31
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	8627120	50.0000	51.189	80.00- 120.00	100.00
16.394	16.394 (1.132)	120	2038467			0.00- 30.00	23.63
16.394	16.394 (1.132)	105	293569			0.00- 30.00	3.40
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	7250984	50.0000	48.646	80.00- 120.00	100.00
15.869	15.869 (1.095)	120	1965837			0.00- 30.00	27.11
15.869	15.869 (1.095)	51	723645			0.00- 30.00	9.98
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	6411885	50.0000	39.484	80.00- 120.00	100.00
19.408	19.408 (1.340)	127	762434			0.00- 30.00	11.89
9 Butane					CAS #: 106-97-8		
2.293	2.293 (0.315)	58	280218	50.0000	42.771	80.00- 120.00	100.00
2.293	2.293 (0.315)	43	2377368			0.00- 30.00	848.40
15 Isopentane					CAS #: 78-78-4		
2.901	2.901 (0.399)	43	1824669	50.0000	45.148	80.00- 120.00	100.00
2.901	2.901 (0.399)	57	1128362			0.00- 30.00	61.84
2.901	2.901 (0.399)	72	114497			0.00- 30.00	6.27
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	2661268	50.0000	47.114	80.00- 120.00	100.00
9.758	9.758 (1.342)	98	1244357			0.00- 30.00	46.76
9.758	9.758 (1.342)	55	2294578			0.00- 30.00	86.22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082702.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /var/chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 27-AUG-2007
Calibration Time: 09:03
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	474833	284900	664766	474833	0.00
88 1,4-Difluorobenze	2226801	1336081	3117521	2226801	0.00
125 Chlorobenzene-d5	1791943	1075166	2508720	1791943	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.15	8.82	9.48	9.15	0.00
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

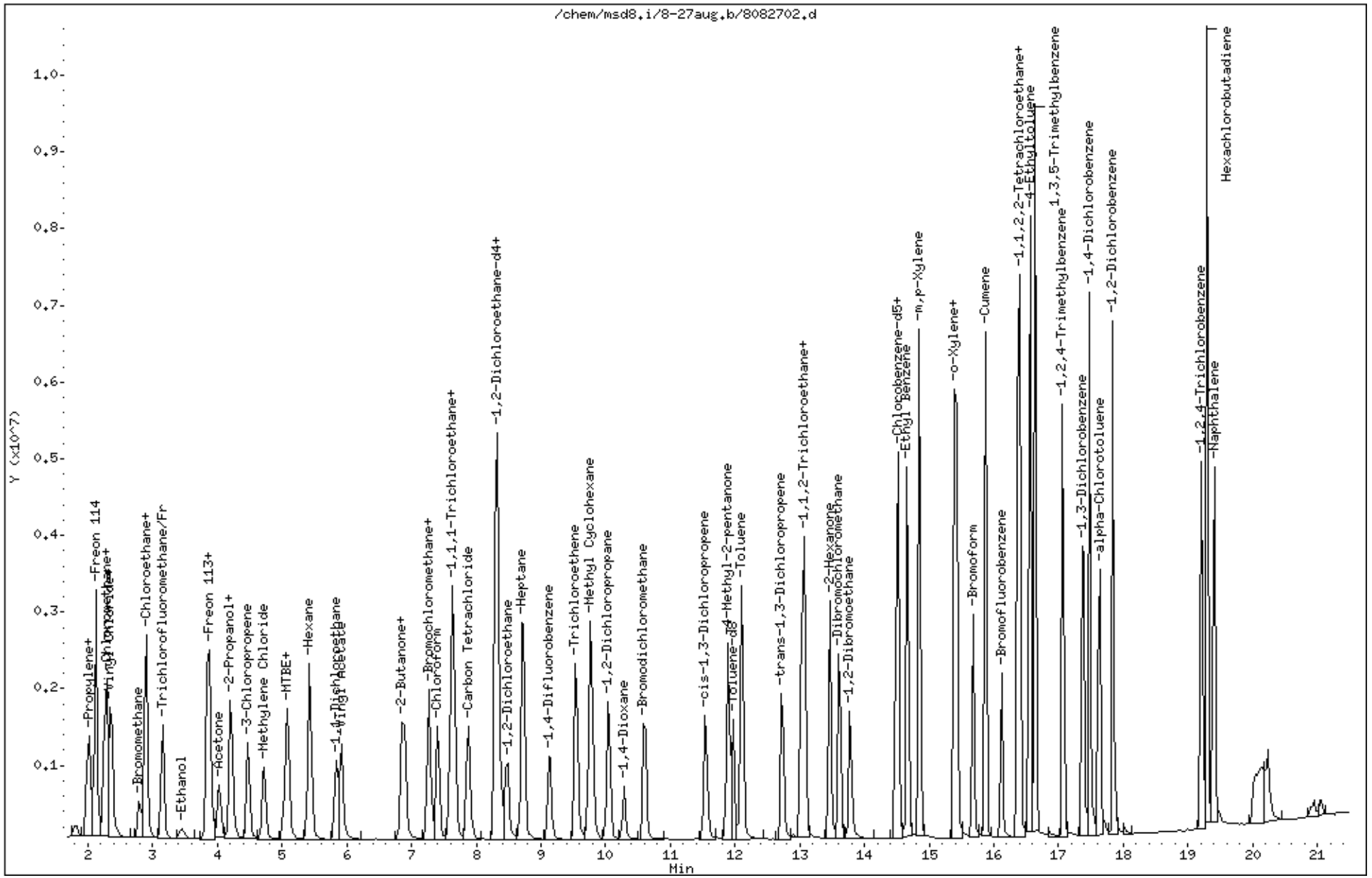
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0152

Data File: /chem/msd8.i/8-27aug.b/8082702.d
Date : 27-AUG-2007 09:03
Client ID: CCV-1
Sample Info: 50ml #1443-266

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708361-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082703**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 09:30 AM**

Compound	%Recovery
Freon 12	83
Freon 114	91
Vinyl Chloride	89
Bromomethane	91
Chloroethane	88
Freon 11	96
1,1-Dichloroethene	92
Freon 113	90
Methylene Chloride	94
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	97
Chloroform	90
1,1,1-Trichloroethane	101
Carbon Tetrachloride	100
Benzene	91
1,2-Dichloroethane	100
Trichloroethene	93
1,2-Dichloropropane	96
cis-1,3-Dichloropropene	98
Toluene	100
trans-1,3-Dichloropropene	97
1,1,2-Trichloroethane	103
Tetrachloroethene	95
1,2-Dibromoethane (EDB)	94
Chlorobenzene	94
Ethyl Benzene	97
m,p-Xylene	93
o-Xylene	92
Styrene	85
1,1,2,2-Tetrachloroethane	95
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	91
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	88
1,3-Butadiene	98
Hexane	92
Cyclohexane	91

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708361-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8082703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/07 09:30 AM**	

Compound	%Recovery
Heptane	92
Bromodichloromethane	97
Dibromochloromethane	96
Cumene	100
Propylbenzene	105
Chloromethane	89
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	94
Acetone	95
Carbon Disulfide	91
2-Propanol	95
trans-1,2-Dichloroethene	89
2-Butanone (Methyl Ethyl Ketone)	96
Tetrahydrofuran	95
1,4-Dioxane	93
4-Methyl-2-pentanone	88
2-Hexanone	93
Bromoform	101
4-Ethyltoluene	105
Ethanol	88
Methyl tert-butyl ether	78
3-Chloropropene	103
2,2,4-Trimethylpentane	99
Naphthalene	75

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	103	70-130

Report Date: 27-Aug-2007 09:44

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-27aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /var/chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 50ppbv (100ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	42.646	85.29	70-130
108 trans-1,3-Dichloro	50.000	48.629	97.26	70-130
3 Propylene	50.000	43.599	87.20	60-140
4 Dichlorodifluorome	50.000	41.521	83.04	70-130
6 Freon 114	50.000	45.686	91.37	70-130
8 Chloromethane	50.000	44.645	89.29	70-130
11 Vinyl Chloride	50.000	44.674	89.35	70-130
10 1,3-Butadiene	50.000	49.241	98.48	60-140
13 Bromomethane	50.000	45.638	91.28	70-130
16 Chloroethane	50.000	43.808	87.62	70-130
18 Trichlorofluoromet	50.000	47.840	95.68	70-130
23 Ethanol	50.000	44.034	88.07	60-140
28 Freon 113	50.000	45.038	90.08	70-130
29 1,1-Dichloroethene	50.000	46.060	92.12	70-130
30 Acetone	50.000	47.720	95.44	60-140
33 Carbon Disulfide	50.000	45.529	91.06	60-140
34 2-Propanol	50.000	47.406	94.81	60-140
40 Methylene Chloride	50.000	47.051	94.10	70-130
43 MTBE	50.000	39.098	78.20	60-140
45 trans-1,2-Dichloro	50.000	44.340	88.68	60-140
46 Hexane	50.000	46.127	92.25	60-140
54 1,1-Dichloroethane	50.000	48.149	96.30	70-130
55 Vinyl Acetate	50.000	49.375	98.75	60-140
64 cis-1,2-Dichloroet	50.000	48.586	97.17	70-130
65 2-Butanone	50.000	48.258	96.52	60-140
67 Tetrahydrofuran	50.000	47.624	95.25	60-140
70 Chloroform	50.000	44.916	89.83	70-130
73 Cyclohexane	50.000	45.485	90.97	60-140
75 1,1,1-Trichloroeth	50.000	50.343	100.69	70-130
77 Carbon Tetrachlori	50.000	49.963	99.93	70-130
81 Benzene	50.000	45.424	90.85	70-130
83 1,2-Dichloroethane	50.000	49.960	99.92	70-130
85 Heptane	50.000	46.041	92.08	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	46.739	93.48	70-130
97 1,2-Dichloropropan	50.000	47.854	95.71	70-130
98 1,4-Dioxane	50.000	46.468	92.94	60-140
100 Bromodichlorometha	50.000	48.692	97.38	60-140
102 cis-1,3-Dichloropr	50.000	49.217	98.43	70-130
103 4-Methyl-2-pentano	50.000	43.804	87.61	60-140
105 Toluene	50.000	50.055	100.11	70-130
110 1,1,2-Trichloroeth	50.000	51.316	102.63	70-130
112 Tetrachloroethene	50.000	47.588	95.18	70-130
114 2-Hexanone	50.000	46.631	93.26	60-140
116 Dibromochlorometha	50.000	47.764	95.53	60-140
117 1,2-Dibromoethane	50.000	47.082	94.16	70-130
126 Chlorobenzene	50.000	46.896	93.79	70-130
129 Ethyl Benzene	50.000	48.590	97.18	70-130
130 m,p-Xylene	50.000	46.505	93.01	70-130
132 o-Xylene	50.000	45.920	91.84	70-130
135 Bromoform	50.000	50.545	101.09	60-140
144 1,1,2,2-Tetrachlor	50.000	47.339	94.68	70-130
147 4-Ethyltoluene	50.000	52.576	105.15	60-140
148 1,3,5-Trimethylben	50.000	47.862	95.72	70-130
153 1,2,4-Trimethylben	50.000	47.550	95.10	70-130
156 1,3-Dichlorobenzen	50.000	48.588	97.18	70-130
157 1,4-Dichlorobenzen	50.000	45.480	90.96	70-130
158 alpha-Chlorotoluen	50.000	46.572	93.14	70-130
161 1,2-Dichlorobenzen	50.000	44.038	88.08	70-130
167 1,2,4-Trichloroben	50.000	43.685	87.37	70-130
168 Hexachlorobutadien	50.000	47.267	94.53	70-130
137 Cumene	50.000	50.234	100.47	60-140
145 Propylbenzene	50.000	52.355	104.71	60-140
37 3-Chloropropene	50.000	51.555	103.11	60-140
80 2,2,4-Trimethylpen	50.000	49.652	99.30	60-140
169 Naphthalene	50.000	37.559	75.12	60-140
9 Butane	50.000	42.818	85.64	70-130
15 Isopentane	50.000	46.151	92.30	70-130
95 Methyl Cyclohexane	50.000	48.501	97.00	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	26.559	106.24	70-130
$ 104 Toluene-d8	25.000	26.051	104.20	70-130
$ 140 Bromofluorobenzene	25.000	25.717	102.87	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-27aug.b/8082703.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 27-AUG-2007 09:30
Operator : lmr Inst ID: msd8.i
Smp Info : 100ml #1443-165A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /var/chem/msd8.i/8-27aug.b/t14q823a.m
Meth Date : 27-Aug-2007 09:12 lrandolp Quant Type: ISTD
Cal Date : 23-AUG-2007 22:10 Cal File: 8082312.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.270	7.270 (1.000)	130	410097	25.0000		80.00- 120.00	100.00
7.270	7.270 (1.000)	128	318793			48.38- 108.38	77.74
7.242	7.270 (1.000)	49	667791			138.94- 198.94	162.84
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.122	9.150 (1.000)	114	1873742	25.0000		80.00- 120.00	100.00
9.122	9.122 (1.000)	88	280447			0.00- 45.01	14.97
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.486	14.486 (1.000)	117	1569674	25.0000		80.00- 120.00	100.00
14.459	14.486 (1.000)	82	810127			0.00- 30.00	51.61
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.320	8.348 (1.145)	65	485637	26.5591	26.559	80.00- 120.00	100.00
8.320	8.348 (1.145)	67	298100			0.00- 30.00	61.38
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.970	11.970 (1.312)	98	1768883	26.0512	26.051	80.00- 120.00	100.00
11.970	11.970 (1.312)	70	164187			0.00- 30.00	9.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.970	11.970 (1.312)	100	1630329			0.00- 30.00	92.17
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.118	16.118 (1.113)	174	712063	25.7171	25.717	80.00- 120.00	100.00
16.118	16.118 (1.113)	95	1007462			123.37- 183.37	141.48
16.118	16.118 (1.113)	176	687303			65.60- 125.60	96.52
3 Propylene					CAS #: 115-07-1		
1.961	1.989 (0.270)	41	842030	43.5988	43.599	80.00- 120.00	100.00
1.961	1.989 (0.270)	42	553435			0.00- 30.00	65.73
1.961	1.989 (0.270)	39	625306			0.00- 30.00	74.26
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	2.016 (0.274)	85	1736662	41.5212	41.521	80.00- 120.00	100.00
1.989	2.016 (0.274)	87	541859			0.00- 30.00	31.20
6 Freon 114					CAS #: 76-14-2		
2.099	2.127 (0.289)	135	1562308	45.6865	45.686	80.00- 120.00	100.00
2.099	2.127 (0.289)	137	499045			2.42- 62.42	31.94
8 Chloromethane					CAS #: 74-87-3		
2.238	2.238 (0.308)	50	1091748	44.6450	44.645	80.00- 120.00	100.00
2.238	2.238 (0.308)	52	319153			0.00- 30.00	29.23
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.376 (0.323)	62	1043610	44.6736	44.674	80.00- 120.00	100.00
2.348	2.376 (0.323)	64	320694			0.00- 30.00	30.73
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.323)	54	923277	49.2408	49.241	80.00- 120.00	100.00
2.348	2.348 (0.323)	39	1168489			0.00- 30.00	126.56
13 Bromomethane					CAS #: 74-83-9		
2.763	2.791 (0.380)	94	794576	45.6385	45.638	80.00- 120.00	100.00
2.763	2.791 (0.380)	96	724317			61.37- 121.37	91.16
16 Chloroethane					CAS #: 75-00-3		
2.874	2.901 (0.395)	64	543261	43.8083	43.808	80.00- 120.00	100.00
2.874	2.901 (0.395)	49	161697			0.00- 30.00	29.76
2.874	2.901 (0.395)	66	165501			0.00- 30.00	30.46
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.150 (0.429)	101	2023471	47.8406	47.840	80.00- 120.00	100.00
3.122	3.150 (0.429)	103	1305972			35.63- 95.63	64.54

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.426	3.454 (0.471)	45	339388	44.0343	44.034	80.00- 120.00	100.00
3.426	3.454 (0.471)	43	62340			0.00- 30.00	18.37
3.426	3.454 (0.471)	46	133965			0.00- 30.00	39.47
28 Freon 113					CAS #: 76-13-1		
3.841	3.841 (0.528)	151	1338214	45.0385	45.038	80.00- 120.00	100.00
3.841	3.841 (0.528)	153	849318			33.57- 93.57	63.47
3.814	3.841 (0.525)	101	1747303			99.55- 159.55	130.57
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.869	3.869 (0.532)	61	1519097	46.0602	46.060	80.00- 120.00	100.00
3.869	3.897 (0.532)	96	895986			27.21- 87.21	58.98
3.869	3.897 (0.532)	98	577296			7.39- 67.39	38.00
30 Acetone					CAS #: 67-64-1		
4.007	4.035 (0.551)	58	543744	47.7205	47.720	80.00- 120.00	100.00
4.007	4.035 (0.551)	43	1892754			0.00- 30.00	348.10
34 2-Propanol					CAS #: 67-63-0		
4.201	4.201 (0.578)	45	1964405	47.4065	47.406	80.00- 120.00	100.00
4.201	4.201 (0.578)	43	411832			0.00- 30.00	20.96
4.201	4.201 (0.578)	59	71638			0.00- 30.00	3.65
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.201 (0.574)	76	2789352	45.5294	45.529	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.450	4.477 (0.612)	76	476084	51.5552	51.555	80.00- 120.00	100.00
4.450	4.477 (0.612)	41	1685436			0.00- 30.00	354.02
40 Methylene Chloride					CAS #: 75-09-2		
4.698	4.726 (0.646)	49	1247931	47.0507	47.051	80.00- 120.00	100.00
4.698	4.726 (0.646)	84	806215			33.49- 93.49	64.60
4.698	4.726 (0.646)	51	368104			0.00- 30.00	29.50
43 MTBE					CAS #: 1634-04-4		
5.030	5.030 (0.692)	73	926656	39.0980	39.098	80.00- 120.00	100.00
5.030	5.030 (0.692)	57	247580			0.00- 58.11	26.72
5.030	5.030 (0.692)	41	282474			0.00- 30.00	30.48
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.058	5.086 (0.696)	96	1066440	44.3398	44.340	80.00- 120.00	100.00
5.058	5.086 (0.696)	61	1643650			125.72- 185.72	154.12
5.058	5.086 (0.696)	98	682472			0.00- 30.00	64.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.417	5.417 (0.745)	57	2070175	46.1267	46.127	80.00- 120.00	100.00
5.417	5.417 (0.745)	43	1452634			0.00- 30.00	70.17
5.417	5.417 (0.745)	86	330206			0.00- 30.00	15.95
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.832	5.832 (0.802)	63	1997391	48.1494	48.149	80.00- 120.00	100.00
5.832	5.832 (0.802)	65	594973			0.06- 60.06	29.79
55 Vinyl Acetate					CAS #: 108-05-4		
5.915	5.915 (0.814)	86	283682	49.3748	49.375	80.00- 120.00	100.00
5.915	5.915 (0.814)	43	3383447			0.00- 30.00	1192.69
5.915	5.915 (0.814)	42	255738			0.00- 30.00	90.15
65 2-Butanone					CAS #: 78-93-3		
6.883	6.910 (0.947)	72	562867	48.2577	48.258	80.00- 120.00	100.00
6.883	6.910 (0.947)	43	2715315			460.39- 520.39	482.41
6.883	6.910 (0.947)	57	188402			0.00- 30.00	33.47
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.827	6.855 (0.939)	61	1532182	48.5866	48.586	80.00- 120.00	100.00
6.827	6.855 (0.939)	96	1122797			42.84- 102.84	73.28
6.827	6.855 (0.939)	98	722106			16.82- 76.82	47.13
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.270 (0.996)	42	1660711	47.6235	47.624	80.00- 120.00	100.00
7.242	7.270 (0.996)	71	491473			0.00- 58.98	29.59
7.242	7.270 (0.996)	72	545790			0.00- 30.00	32.86
70 Chloroform					CAS #: 67-66-3		
7.408	7.408 (1.019)	83	1908370	44.9166	44.916	80.00- 120.00	100.00
7.408	7.408 (1.019)	85	1227482			35.17- 95.17	64.32
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.629	7.657 (1.049)	97	1837009	50.3430	50.343	80.00- 120.00	100.00
7.629	7.657 (1.049)	99	1186611			34.29- 94.29	64.59
73 Cyclohexane					CAS #: 110-82-7		
7.602	7.629 (1.046)	84	1674901	45.4853	45.485	80.00- 120.00	100.00
7.602	7.629 (1.046)	56	2238146			104.50- 164.50	133.63
7.602	7.629 (1.046)	41	1290817			46.51- 106.51	77.07
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.878	7.878 (1.084)	119	1747774	49.9630	49.963	80.00- 120.00	100.00
7.878	7.878 (1.084)	117	1790443			73.09- 133.09	102.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.320	8.320 (1.145)	57	6914635	49.6517	49.652	80.00- 120.00	100.00
8.320	8.320 (1.145)	56	2206357			0.00- 30.00	31.91
8.320	8.320 (1.145)	41	1750402			0.00- 30.00	25.31
81 Benzene					CAS #: 71-43-2		
8.293	8.293 (0.909)	78	3603384	45.4238	45.424	80.00- 120.00	100.00
8.293	8.293 (0.909)	77	832239			0.00- 30.00	23.10
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.459	8.486 (0.927)	62	1364069	49.9596	49.960	80.00- 120.00	100.00
8.459	8.486 (0.927)	64	413696			0.00- 30.00	30.33
85 Heptane					CAS #: 142-82-5		
8.708	8.735 (0.955)	100	435542	46.0410	46.041	80.00- 120.00	100.00
8.708	8.708 (0.955)	43	2794600			0.00- 30.00	641.64
8.708	8.735 (0.955)	71	1329788			0.00- 30.00	305.32
94 Trichloroethene					CAS #: 79-01-6		
9.537	9.537 (1.045)	95	1463152	46.7390	46.739	80.00- 120.00	100.00
9.537	9.537 (1.045)	130	1527604			73.95- 133.95	104.41
9.537	9.537 (1.045)	97	916458			32.52- 92.52	62.64
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.035	10.035 (1.100)	63	1377691	47.8536	47.854	80.00- 120.00	100.00
10.035	10.035 (1.100)	62	947869			39.93- 99.93	68.80
10.035	10.035 (1.100)	41	818414			29.91- 89.91	59.40
98 1,4-Dioxane					CAS #: 123-91-1		
10.284	10.284 (1.127)	88	823094	46.4681	46.468	80.00- 120.00	100.00
10.284	10.284 (1.127)	58	611016			44.93- 104.93	74.23
10.284	10.284 (1.127)	57	184812			0.00- 30.00	22.45
100 Bromodichloromethane					CAS #: 75-27-4		
10.588	10.588 (1.161)	83	2011148	48.6923	48.692	80.00- 120.00	100.00
10.588	10.615 (1.161)	85	1308409			33.73- 93.73	65.06
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.528	11.528 (1.264)	75	1832644	49.2169	49.217	80.00- 120.00	100.00
11.528	11.528 (1.264)	77	587237			2.00- 62.00	32.04
11.528	11.528 (1.264)	39	1054503			26.45- 86.45	57.54
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.887	11.887 (1.303)	58	1141049	43.8040	43.804	80.00- 120.00	100.00
11.887	11.887 (1.303)	43	3103854			0.00- 30.00	272.02
11.887	11.887 (1.303)	85	460715			0.00- 30.00	40.38

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.108	12.108 (1.327)	91	4307080	50.0549	50.055	80.00- 120.00	100.00
12.108	12.108 (1.327)	92	2588265			29.56- 89.56	60.09
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.717	12.717 (0.878)	75	1775997	48.6291	48.629	80.00- 120.00	100.00
12.717	12.717 (0.878)	77	567436			1.77- 61.77	31.95
12.717	12.717 (0.878)	39	1021118			27.72- 87.72	57.50
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.021	13.021 (0.899)	97	1407118	51.3155	51.316	80.00- 120.00	100.00
13.021	13.021 (0.899)	99	869560			32.55- 92.55	61.80
13.021	13.021 (0.899)	83	1171848			55.09- 115.09	83.28
112 Tetrachloroethene					CAS #: 127-18-4		
13.076	13.076 (0.903)	166	1732165	47.5880	47.588	80.00- 120.00	100.00
13.076	13.076 (0.903)	129	1375569			48.12- 108.12	79.41
13.076	13.076 (0.903)	131	1320942			45.10- 105.10	76.26
114 2-Hexanone					CAS #: 591-78-6		
13.463	13.463 (0.929)	58	1500932	46.6313	46.631	80.00- 120.00	100.00
13.463	13.463 (0.929)	43	2858664			162.08- 222.08	190.46
13.463	13.463 (0.929)	100	301168			0.00- 30.00	20.07
116 Dibromochloromethane					CAS #: 124-48-1		
13.601	13.602 (0.939)	129	2046957	47.7635	47.764	80.00- 120.00	100.00
13.601	13.602 (0.939)	127	1594325			0.00- 30.00	77.89
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.767	13.767 (0.950)	107	2209948	47.0818	47.082	80.00- 120.00	100.00
13.767	13.767 (0.950)	109	2108575			64.31- 124.31	95.41
126 Chlorobenzene					CAS #: 108-90-7		
14.514	14.514 (1.002)	112	3643195	46.8963	46.896	80.00- 120.00	100.00
14.514	14.514 (1.002)	114	1129389			0.21- 60.21	31.00
14.514	14.514 (1.002)	77	1857409			23.01- 83.01	50.98
129 Ethyl Benzene					CAS #: 100-41-4		
14.652	14.652 (1.011)	106	1915859	48.5901	48.590	80.00- 120.00	100.00
14.652	14.652 (1.011)	91	5703634			0.00- 30.00	297.71
130 m,p-Xylene					CAS #: 108-38-3		
14.846	14.846 (1.025)	106	2447526	46.5049	46.505	80.00- 120.00	100.00
14.846	14.846 (1.025)	91	4527684			0.00- 30.00	184.99
132 o-Xylene					CAS #: 95-47-6		
15.399	15.399 (1.063)	106	2248319	45.9195	45.920	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.399	15.399 (1.063)	91	4388086			167.32- 227.32	195.17
134 Styrene					CAS #: 100-42-5		
15.426	15.426 (1.065)	104	3378219	42.6466	42.646	80.00- 120.00	100.00
15.426	15.426 (1.065)	78	1443139			10.58- 70.58	42.72
135 Bromoform					CAS #: 75-25-2		
15.675	15.675 (1.082)	173	1849635	50.5449	50.545	80.00- 120.00	100.00
15.675	15.675 (1.082)	171	925675			22.04- 82.04	50.05
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.366	16.366 (1.130)	83	3245224	47.3389	47.339	80.00- 120.00	100.00
16.366	16.366 (1.130)	85	2076804			33.52- 93.52	64.00
147 4-Ethyltoluene					CAS #: 622-96-8		
16.560	16.560 (1.143)	105	6759962	52.5764	52.576	80.00- 120.00	100.00
16.560	16.560 (1.143)	120	2131009			1.11- 61.11	31.52
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.643	16.643 (1.149)	105	6015983	47.8616	47.862	80.00- 120.00	100.00
16.643	16.643 (1.149)	120	3146067			0.00- 30.00	52.30
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.058	17.058 (1.178)	105	4983315	47.5504	47.550	80.00- 120.00	100.00
17.058	17.058 (1.178)	120	2354193			18.35- 78.35	47.24
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.389	17.390 (1.200)	146	3203479	48.5881	48.588	80.00- 120.00	100.00
17.389	17.390 (1.200)	148	2005983			0.00- 30.00	62.62
17.362	17.362 (1.198)	111	1361562			0.00- 30.00	42.50
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.472	17.472 (1.206)	146	4023828	45.4803	45.480	80.00- 120.00	100.00
17.472	17.472 (1.206)	148	2490864			0.00- 30.00	61.90
17.472	17.472 (1.206)	111	1647317			0.00- 30.00	40.94
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.638	17.638 (1.218)	91	4151922	46.5716	46.572	80.00- 120.00	100.00
17.638	17.638 (1.218)	126	941442			0.00- 30.00	22.67
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.832	17.832 (1.231)	146	3319700	44.0381	44.038	80.00- 120.00	100.00
17.832	17.832 (1.231)	148	2068942			32.21- 92.21	62.32
17.832	17.832 (1.231)	111	1518540			16.61- 76.61	45.74

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.214	19.214 (1.326)	180	2492586	43.6849	43.685	80.00- 120.00	100.00
19.214	19.214 (1.326)	182	2336694			65.02- 125.02	93.75
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.297	19.297 (1.332)	225	1865912	47.2670	47.267	80.00- 120.00	100.00
19.297	19.297 (1.332)	223	1197117			34.31- 94.31	64.16
145 Propylbenzene					CAS #: 103-65-1		
16.394	16.394 (1.132)	91	7729209	52.3551	52.355	80.00- 120.00	100.00
16.394	16.394 (1.132)	120	1805867			0.00- 30.00	23.36
16.394	16.394 (1.132)	105	262289			0.00- 30.00	3.39
137 Cumene					CAS #: 98-82-8		
15.869	15.869 (1.095)	105	6558987	50.2342	50.234	80.00- 120.00	100.00
15.869	15.869 (1.095)	120	1802627			0.00- 30.00	27.48
15.869	15.869 (1.095)	51	637059			0.00- 30.00	9.71
169 Naphthalene					CAS #: 91-20-3		
19.408	19.408 (1.340)	128	5342695	37.5592	37.559	80.00- 120.00	100.00
19.408	19.408 (1.340)	127	628833			0.00- 30.00	11.77
9 Butane					CAS #: 106-97-8		
2.293	2.293 (0.315)	58	242278	42.8176	42.818	80.00- 120.00	100.00
2.293	2.293 (0.315)	43	2009907			0.00- 30.00	829.59
15 Isopentane					CAS #: 78-78-4		
2.874	2.901 (0.395)	43	1610902	46.1511	46.151	80.00- 120.00	100.00
2.874	2.901 (0.395)	57	996743			0.00- 30.00	61.87
2.874	2.901 (0.395)	72	99895			0.00- 30.00	6.20
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.758	9.758 (1.342)	83	2366096	48.5013	48.501	80.00- 120.00	100.00
9.758	9.758 (1.342)	98	1112148			0.00- 30.00	47.00
9.758	9.758 (1.342)	55	2039465			0.00- 30.00	86.20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8082703.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /var/chem/msd8.i/8-27aug.b/t14q823a.m
Misc Info: 50ppbv (100ppbv)

Calibration Date: 27-AUG-2007
Calibration Time: 09:03
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	474833	284900	664766	410097	-13.63
88 1,4-Difluorobenze	2226801	1336081	3117521	1873742	-15.85
125 Chlorobenzene-d5	1791943	1075166	2508720	1569674	-12.40

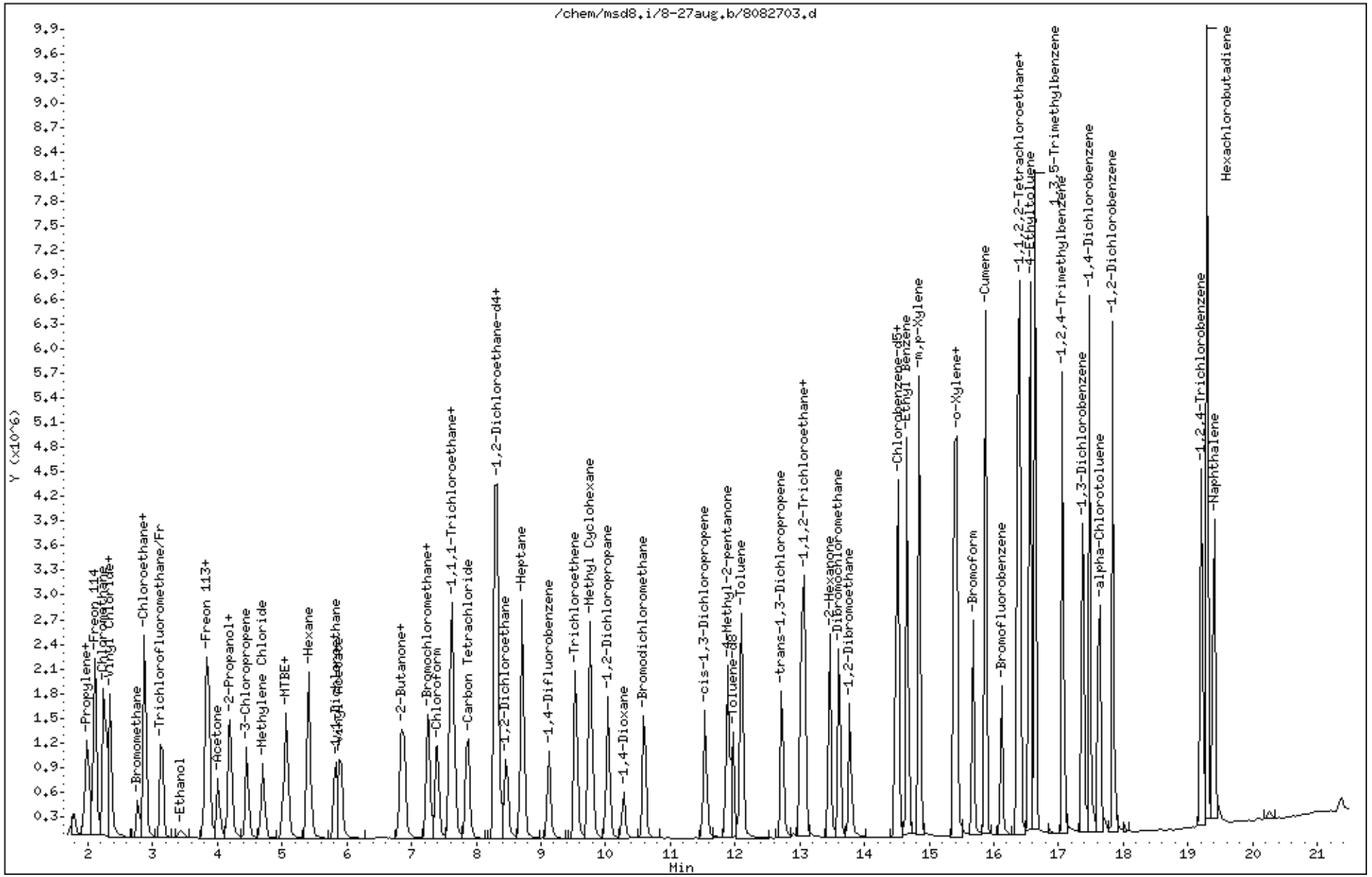
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.27	6.94	7.60	7.27	0.00
88 1,4-Difluorobenze	9.15	8.82	9.48	9.12	-0.30
125 Chlorobenzene-d5	14.49	14.16	14.82	14.49	0.00

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

Data File: /chem/msd8.i/8-27aug.b/8082703.d
Date : 27-AUG-2007 09:30
Client ID: LCS-1
Sample Info: 100ml #1443-165A

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

Column phase: RTx-624



0166

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MSD-8

Logbook #: 1478

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.95
75	30.0 – 60.0% of mass 95	36.56
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.10
173	Less than 2.0% of mass 174	(0.60)[1]
174	Greater than 50.0% of mass 95	70.50
175	5.0 – 9.0% of mass 174	(6.91)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.74)[1]
177	5.0 – 9.0% of mass 176	(6.22)[2]

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

BFB Injection Date: 8/27/07

BFB Injection Time: 0843

BFB File ID: 8082701

Tekmar Purge Flow: 16.1 ml/min

Vacuum: 7.0×10^{-6}

0167

IS/S Std.#: 1487-361	Exp. Date: 10/31/07
BCM 474833	
1,4-DFB 2226801	
CB-d5 1791943	

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

Verify 176/174 m/z Ratio: 1540096/1591808 x100 = 96.75

NOAH Cart #: 5/15 **File #:** 8082407/8082705

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(2093805)}{(2226801)} \times \frac{(25)}{(0.90594)} = 25.947$

Reported Result 25.947

File ID: 8082702	
Compound: Tol-d8	
Initials: LR	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	8082701	BFB Tune Check	813-2981	50 psig	2ml	1.00	LR	8/27/07	0843	LR	
2	✓	02	CCV-1 (20ppbv)	1443-2986	50 ppbv	50ml				0903	LR	
3	✓	03	LCS-1 (100ppbv)	1443-1685A	↓	100ml				0930	LR	
4	✓	04	Lab Blank	13673	humid	200ml				1030	LR	
5	✓	05	Cart + Cert #IS, leg 8	↓	↓		↓			1134	LR	
6	✓	06	0708320A-06A	33791	7.0 → 5 psi		1.75			1246	LR	
7	✓	07	0708361-01A	33378	11.0 → 5 psi		2.12			1329	LR	
8	✓	08	↓ -02A	35161	2.5		1.46			1411	LR	
9	✓	09	0708354-01A	34183	6.0	↓	1.68	↓	↓	1454	LR	

Signature

8/27/07
Date

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-23aug.b/8082301.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 23-AUG-2007 15:11
Operator : lmr Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-23aug.b/bfb30.m
Meth Date : 23-Aug-2007 15:03 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	2.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.638	3.748	-0.110	95	2278425			100.00- 100.00	100.00
3.638	3.748	-0.110	50	411636			15.00- 40.00	18.07
3.638	3.748	-0.110	75	837303			30.00- 60.00	36.75
3.638	3.748	-0.110	96	141589			5.00- 9.00	6.21
3.638	3.748	-0.110	173	10867			0.00- 2.00	0.70
3.638	3.748	-0.110	174	1551656			50.00- 100.00	68.10
3.638	3.748	-0.110	175	105934			5.00- 9.00	6.83
3.638	3.748	-0.110	176	1491013			95.00- 101.00	96.09
3.638	3.748	-0.110	177	91154			5.00- 9.00	6.11

Data File: /var/chem/msd8.i/8-23aug.b/8082301.d

Page 1

Date : 23-AUG-2007 15:11

Client ID: BFB

Instrument: msd8.i

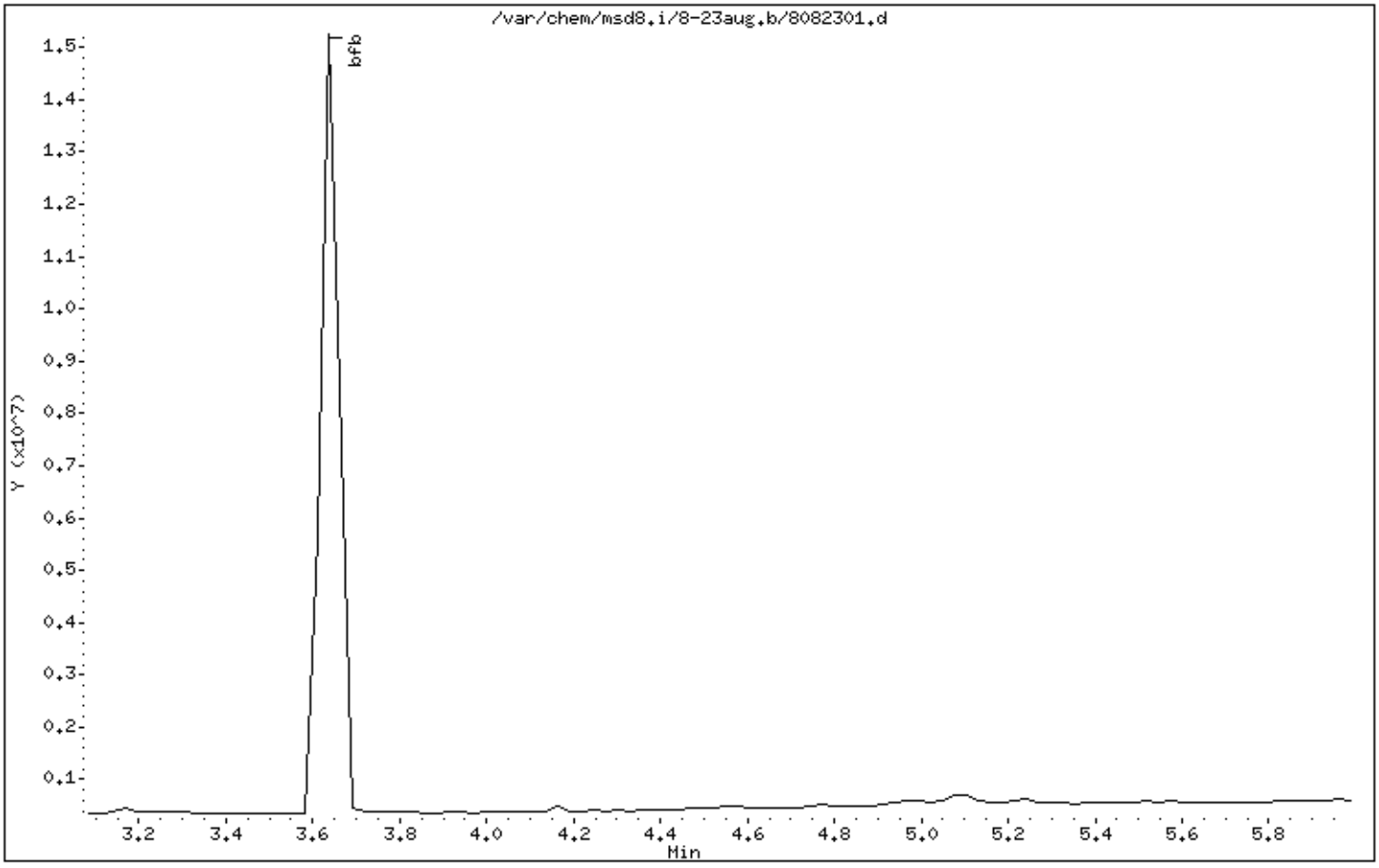
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-23aug.b/8082301.d

Date : 23-AUG-2007 15:11

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

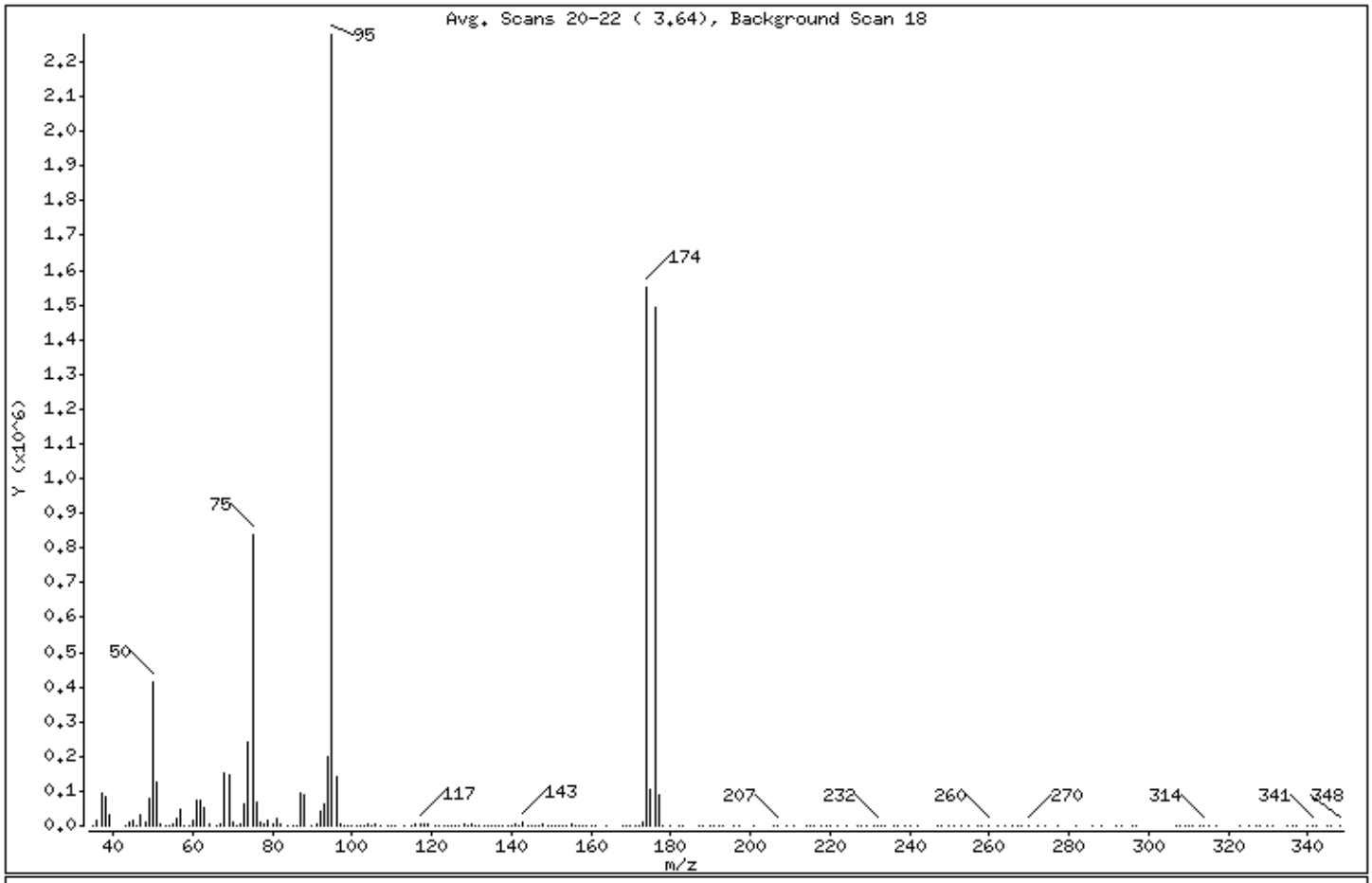
Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.07
75	30.00 - 60.00% of mass 95	36.75
96	5.00 - 9.00% of mass 95	6.21
173	Less than 2.00% of mass 174	0.48 (0.70)
174	50.00 - 100.00% of mass 95	68.10
175	5.00 - 9.00% of mass 174	4.65 (6.83)
176	95.00 - 101.00% of mass 174	65.44 (96.09)
177	5.00 - 9.00% of mass 176	4.00 (6.11)

Date : 23-AUG-2007 15:11

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8082301.d
Spectrum: Avg. Scans 20-22 (3.64), Background Scan 18
Location of Maximum: 95.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	217	95.00	2278400	153.00	1093	239.00	1
36.00	16227	96.00	141568	154.00	657	240.00	274
37.00	92888	97.00	3433	155.00	3675	242.00	104
38.00	84632	98.00	109	156.00	155	247.00	145
39.00	32000	99.00	116	157.00	2217	248.00	22
43.00	670	100.00	119	158.00	116	250.00	299
44.00	10133	101.00	339	159.00	1285	251.00	92
45.00	15867	102.00	266	160.00	74	253.00	575
46.00	428	103.00	249	161.00	1121	255.00	273
47.00	31608	104.00	3702	164.00	669	257.00	67
48.00	9918	105.00	1245	168.00	317	258.00	86
49.00	80896	106.00	3733	169.00	426	260.00	861
50.00	411584	107.00	1201	170.00	141	262.00	43
51.00	124344	109.00	836	171.00	655	264.00	72
52.00	5006	110.00	396	172.00	600	266.00	273
53.00	244	111.00	263	173.00	10867	267.00	287
54.00	174	113.00	478	174.00	1551360	268.00	371
55.00	3759	115.00	995	175.00	105928	270.00	601
56.00	22544	116.00	3111	176.00	1490944	272.00	135
57.00	44656	117.00	6240	177.00	91152	274.00	155
58.00	1774	118.00	3610	178.00	2567	277.00	70
59.00	211	119.00	4653	180.00	283	282.00	45
60.00	13118	121.00	6	182.00	106	286.00	171
61.00	70936	122.00	319	183.00	216	288.00	71
62.00	71208	123.00	77	187.00	118	292.00	147
63.00	53160	124.00	591	188.00	179	293.00	115
64.00	4324	125.00	87	190.00	18	296.00	93
66.00	138	126.00	695	191.00	195	297.00	107
67.00	3990	127.00	575	192.00	73	307.00	14
68.00	153728	128.00	3772	193.00	165	308.00	97
69.00	148288	129.00	1755	196.00	47	309.00	99
70.00	11107	130.00	4664	197.00	195	310.00	144
71.00	134	131.00	1538	201.00	160	311.00	219
72.00	6823	132.00	372	206.00	38	313.00	164
73.00	62344	133.00	452	207.00	491	314.00	244

Date : 23-AUG-2007 15:11

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8082301.d
Spectrum: Avg. Scans 20-22 (3.64), Background Scan 18
Location of Maximum: 95.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	238848	134.00	548	209.00	172	315.00	168
75.00	837248	135.00	1951	211.00	346	317.00	86
76.00	70432	136.00	304	214.00	179	323.00	185
77.00	10031	137.00	1355	215.00	77	325.00	97
78.00	6541	138.00	126	216.00	66	327.00	169
79.00	17800	139.00	465	218.00	156	328.00	63
80.00	6733	140.00	653	219.00	131	330.00	74
81.00	18824	141.00	7693	220.00	47	331.00	60
82.00	4524	142.00	684	222.00	145	335.00	247
84.00	6	143.00	7944	224.00	156	336.00	71
85.00	480	144.00	201	227.00	94	337.00	82
86.00	1854	145.00	918	228.00	81	340.00	211
87.00	92368	146.00	2214	229.00	69	341.00	575
88.00	89408	147.00	821	231.00	70	342.00	263
90.00	246	148.00	2853	232.00	386	345.00	85
91.00	3231	149.00	1169	233.00	122	346.00	301
92.00	40768	150.00	736	234.00	74	348.00	88
93.00	65096	151.00	1063	236.00	226		
94.00	197632	152.00	518	237.00	244		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-27aug.b/8082701.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-AUG-2007 08:43
Operator : lmr Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-27aug.b/bfb30.m
Meth Date : 27-Aug-2007 08:35 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	2.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.638	3.748	-0.110	95	2258273			100.00- 100.00	100.00
3.638	3.748	-0.110	50	405425			15.00- 40.00	17.95
3.638	3.748	-0.110	75	825538			30.00- 60.00	36.56
3.638	3.748	-0.110	96	137715			5.00- 9.00	6.10
3.638	3.748	-0.110	173	9562			0.00- 2.00	0.60
3.638	3.748	-0.110	174	1592104			50.00- 100.00	70.50
3.638	3.748	-0.110	175	109977			5.00- 9.00	6.91
3.638	3.748	-0.110	176	1540218			95.00- 101.00	96.74
3.638	3.748	-0.110	177	95751			5.00- 9.00	6.22

Data File: /var/chem/msd8.i/8-27aug.b/8082701.d

Page 1

Date : 27-AUG-2007 08:43

Client ID: BFB

Instrument: msd8.i

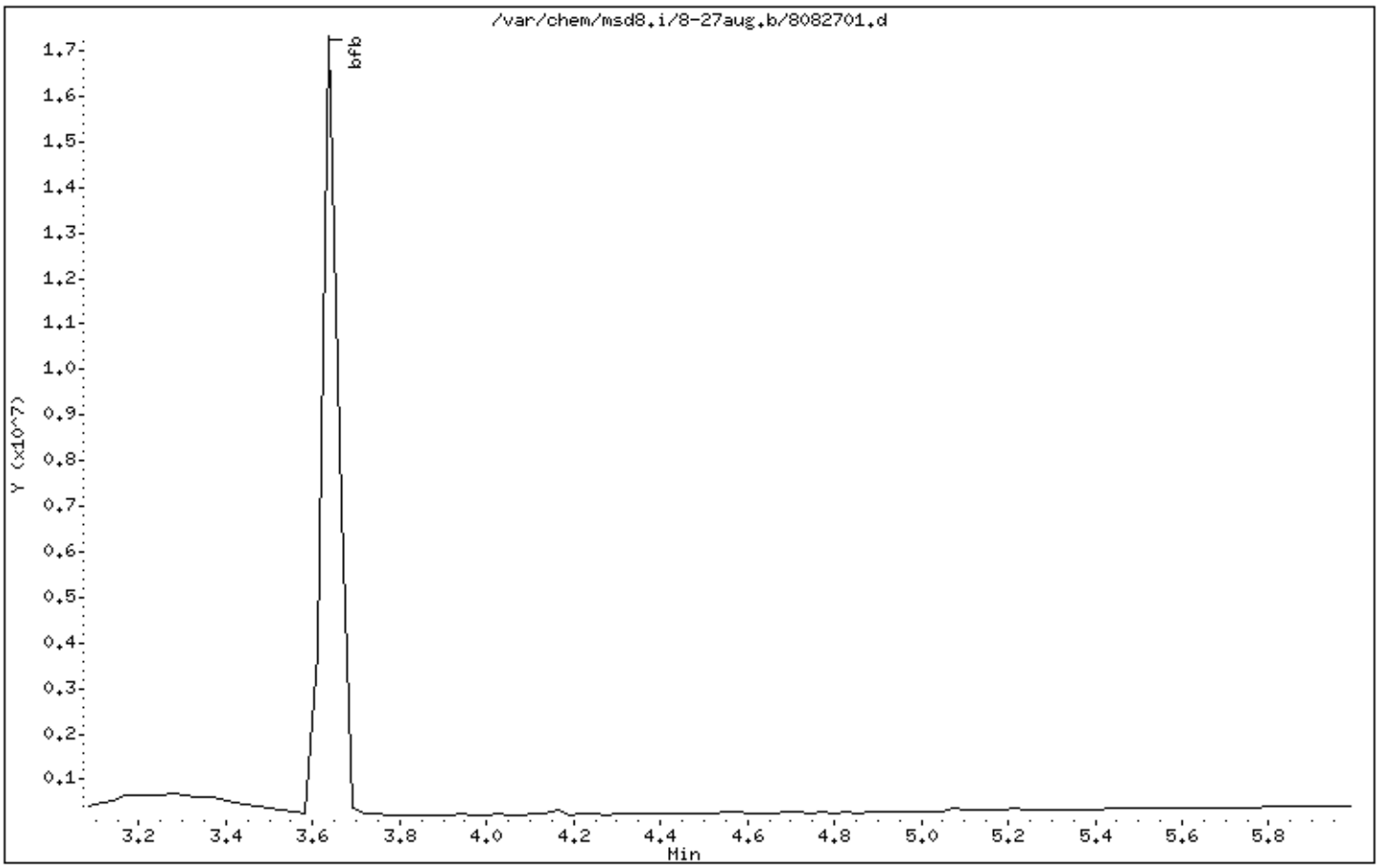
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-27aug.b/8082701.d

Date : 27-AUG-2007 08:43

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

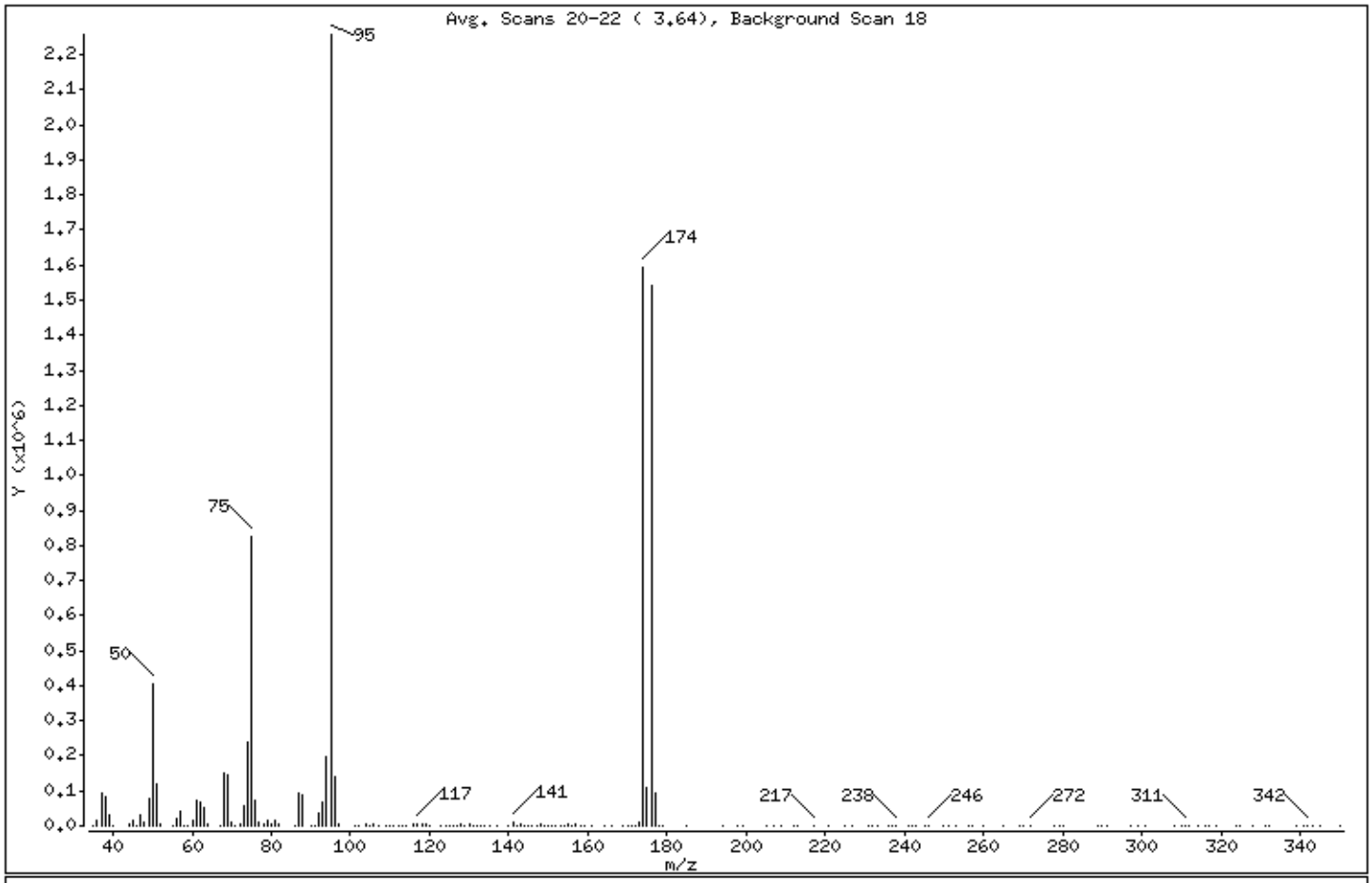
Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.95
75	30.00 - 60.00% of mass 95	36.56
96	5.00 - 9.00% of mass 95	6.10
173	Less than 2.00% of mass 174	0.42 (0.60)
174	50.00 - 100.00% of mass 95	70.50
175	5.00 - 9.00% of mass 174	4.87 (6.91)
176	95.00 - 101.00% of mass 174	68.20 (96.74)
177	5.00 - 9.00% of mass 176	4.24 (6.22)

Date : 27-AUG-2007 08:43

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8082701.d
Spectrum: Avg. Scans 20-22 (3.64), Background Scan 18
Location of Maximum: 95.00
Number of points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	78	91.00	2259	147.00	1061	238.00	230
36.00	15224	92.00	37736	148.00	2837	241.00	71
37.00	92288	93.00	65480	149.00	934	242.00	74
38.00	81968	94.00	197056	150.00	779	243.00	76
39.00	31496	95.00	2257920	151.00	827	245.00	148
40.00	884	96.00	137664	152.00	344	246.00	257
44.00	6637	97.00	3027	153.00	1020	250.00	24
45.00	16174	101.00	284	154.00	741	251.00	26
46.00	739	102.00	157	155.00	3475	253.00	164
47.00	29616	104.00	3931	156.00	480	256.00	175
48.00	10227	105.00	2	157.00	2693	257.00	204
49.00	78888	106.00	3304	158.00	222	260.00	230
50.00	405376	107.00	893	159.00	1212	265.00	82
51.00	121840	109.00	41	161.00	1035	269.00	208
52.00	4024	110.00	157	164.00	25	270.00	114
55.00	1717	111.00	484	166.00	175	272.00	314
56.00	20992	112.00	301	169.00	372	278.00	75
57.00	43680	113.00	293	170.00	827	279.00	161
58.00	1572	114.00	300	171.00	921	280.00	67
59.00	341	116.00	3288	172.00	1625	289.00	67
60.00	13321	117.00	6240	173.00	9562	290.00	73
61.00	70592	118.00	3494	174.00	1591808	291.00	83
62.00	69944	119.00	5035	175.00	109976	297.00	78
63.00	50440	120.00	156	176.00	1540096	299.00	73
64.00	4330	123.00	200	177.00	95744	301.00	78
67.00	2542	124.00	781	178.00	2362	308.00	75
68.00	149312	125.00	158	179.00	104	310.00	68
69.00	144896	126.00	256	185.00	174	311.00	112
70.00	10337	127.00	70	194.00	72	312.00	87
71.00	200	128.00	3489	198.00	68	314.00	91
72.00	6302	129.00	1709	199.00	167	316.00	70
73.00	58776	130.00	4154	205.00	60	317.00	77
74.00	239488	131.00	1416	207.00	49	319.00	66
75.00	825536	132.00	139	209.00	176	324.00	87
76.00	70568	133.00	1280	212.00	229	325.00	178

Date : 27-AUG-2007 08:43

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8082701.d
Spectrum: Avg. Scans 20-22 (3.64), Background Scan 18
Location of Maximum: 95.00
Number of points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	9022	134.00	604	213.00	84	328.00	225
78.00	5158	135.00	2301	217.00	273	331.00	167
79.00	17192	137.00	1410	221.00	37	332.00	237
80.00	6831	140.00	545	225.00	162	339.00	84
81.00	17848	141.00	8035	227.00	195	341.00	176
82.00	4669	142.00	772	231.00	85	342.00	289
86.00	2178	143.00	7747	232.00	17	343.00	76
87.00	95176	144.00	661	233.00	62	345.00	3
88.00	87568	145.00	610	236.00	69	350.00	91
90.00	141	146.00	1753	237.00	185		

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 #: 0708361
# of pages (Including Cover): 1

9/5/2007

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

Air Toxics LTD.

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

0180

Project Manager Karen Swartz

Collected by: (Print and Sign) Thomas L Tompkins Thomas L Tompkins

Company GFI Consultants Inc Email

Address 455 Winding Brook City Glastonbury State CT Zip 06033

Phone 860-368-5300 Fax 860-368-5307

Project Info:
P.O. #
Project # 061140-8-1703
Project Name Bayshire OUI.

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: C
Date: 8/20/07
Pressurization Gas: He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (ml)
01A	AMS3	1753	8/15/07	0425	TO-15 & Naph.	29.5	-10	11.0"Hg	500
02A	AMS5	2346	8/15/07	0419	TO-15 & Naph.	28.0	-7	2.5"Hg	1

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Thomas L Tompkins	8/15/07 1430	[illegible]	8/17/07 0905
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex	8617 5870 7859	NA	good	Yes No (None)	0708361

Form 1293 rev.11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0708361

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: 08/31/07
Date Completed: 8/29/07
Date Received: 8/17/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1.

Total $: $ 554.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS3	Modified TO-15	8/15/2007	11.0 "Hg	$225.00
02A	AMS5	Modified TO-15	8/15/2007	2.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

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

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

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

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

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

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 #: 0708361

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

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

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

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

M/Q: _____

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
LR 8/27/07	R: MC 8/29/07	QMR 8/29/07	

T: _____

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 08/29/05
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable