
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 #: 0707343

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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	8/7/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707343

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	07/19/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/01/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	AMS1 DW 07/18/07 (3740)	Modified TO-15	9.5 "Hg
02A	AMS1 DW 07/18/07 (R8)	Modified TO-15	13.0 "Hg
03A	AMS3 UW 07/18/07	Modified TO-15	8.0 "Hg
04A	TRIP BLANK	Modified TO-15	29.0 "Hg
05A	Lab Blank	Modified TO-15	NA
06A	CCV	Modified TO-15	NA
07A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 08/01/07

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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LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0707343

Three 6 Liter Summa Canister (100% Certified) and one 6 Liter Summa Canister samples were received on July 19, 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

Sample identifications on the Chain of Custody (COC) were not unique. The canister numbers were added to each of the sample identifications to ensure uniqueness.

Sample identification for sample TRIP BLANK was not provided on the Chain of Custody. The information on the sample tag was used to process and report the sample.

Analytical Notes

The sample TRIP BLANK has reportable levels of target compounds present.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
AMS1 DW 07/18/07 (37	0707343-01A	7/18/2007	7/19/2007	NA	12	7/30/2007	NA	Good
AMS1 DW 07/18/07 (R8)	0707343-02A	7/18/2007	7/19/2007	NA	12	7/30/2007	NA	Good
AMS3 UW 07/18/07	0707343-03A	7/18/2007	7/19/2007	NA	12	7/30/2007	NA	Good
TRIP BLANK	0707343-04A	NA	7/19/2007	NA	NA	7/30/2007	NA	Good
Lab Blank	0707343-05A	NA	NA	NA	NA	7/30/2007	NA	Good
CCV	0707343-06A	NA	NA	NA	NA	7/30/2007	NA	Good
LCS	0707343-07A	NA	NA	NA	NA	7/30/2007	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: AMS1 DW 07/18/07 (3740)

Lab ID#: 0707343-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	0.98	1.1	6.6	7.8
Acetone	3.9	16	9.3	38
2-Butanone (Methyl Ethyl Ketone)	0.98	4.1	2.9	12

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS1 DW 07/18/07 (3740)

Lab ID#: 0707343-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073012**	**Date of Collection:**	**7/18/07**
Dil. Factor:	**1.96**	**Date of Analysis:**	**7/30/07 05:08 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
Bromomethane	0.98	Not Detected	3.8	Not Detected
Chloroethane	0.98	Not Detected	2.6	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
Methylene Chloride	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
Benzene	0.98	Not Detected	3.1	Not Detected
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
Toluene	0.98	Not Detected	3.7	Not Detected
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	1.1	6.6	7.8
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	Not Detected	4.2	Not Detected
m,p-Xylene	0.98	Not Detected	4.2	Not Detected
o-Xylene	0.98	Not Detected	4.2	Not Detected
Styrene	0.98	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS1 DW 07/18/07 (3740)

Lab ID#: 0707343-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073012**	**Date of Collection: 7/18/07**	
Dil. Factor:	**1.96**	**Date of Analysis: 7/30/07 05:08 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.98	Not Detected	4.0	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
Chloromethane	3.9	Not Detected	8.1	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
Acetone	3.9	16	9.3	38
Carbon Disulfide	0.98	Not Detected	3.0	Not Detected
2-Propanol	3.9	Not Detected	9.6	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.98	4.1	2.9	12
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.98	Not Detected	4.0	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
Ethanol	3.9	Not Detected	7.4	Not Detected
Methyl tert-butyl ether	0.98	Not Detected	3.5	Not Detected
3-Chloropropene	3.9	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.98	Not Detected	4.6	Not Detected
Naphthalene	3.9	Not Detected	20	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	97	70-130

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AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073012.d
Lab Smp Id: 0707343-01A
Inj Date : 30-JUL-2007 17:08
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #3740
Misc Info : 9.5"Hg-->5psi GEI
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 16:40 tbroad Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1
Dil Factor: 1.96000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	286282	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	220733			26.48- 126.48	77.10
12.724	12.724 (1.000)	49	513236			224.36- 324.36	179.28
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1024123	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	150474			0.00- 65.73	14.69
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	652761	25.0000		80.00- 120.00	100.00
19.747	19.775 (1.000)	82	346279			3.17- 103.17	53.05
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	403088	23.9922	23.992	80.00- 120.00	100.00
13.802	13.802 (1.085)	67	191090			2.38- 102.38	47.41
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.120 (1.183)	98	780430	22.6626	22.662	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	88947			0.00- 61.20	11.40

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.120 (1.183)	100	541213			20.95- 120.95	69.35
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	354498	24.1506	24.150	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	488489			88.13- 188.13	137.80
21.848	21.848 (1.105)	176	340176			48.09- 148.09	95.96
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	93531	8.19238	16.057	80.00- 120.00	100.00
9.019	9.019 (0.709)	43	314582			283.38- 383.38	336.34
75 2-Butanone					CAS #: 78-93-3		
12.282	12.254 (0.965)	72	18723	2.09368	4.104	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	102693			482.87- 582.87	548.49
12.282	12.254 (0.965)	57	8037			0.00- 90.73	42.93
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.199 (0.922)	166	12384	0.58382	1.144	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	8465			24.91- 124.91	68.35
18.226	18.199 (0.922)	131	9839			24.95- 124.95	79.45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073012.d
Lab Smp Id: 0707343-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 9.5"Hg-->5psi GEI

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	286282	-3.41
96 1,4-Difluorobenze	1116978	670187	1563769	1024123	-8.31
125 Chlorobenzene-d5	808735	485241	1132229	652761	-19.29

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

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

Report Date: 01-Aug-2007 08:41

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707343-01A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 9.5"Hg-->5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.992	95.97	70-130
$ 113 Toluene-d8	25.000	22.662	90.65	70-130
$ 137 Bromofluorobenzene	25.000	24.150	96.60	70-130

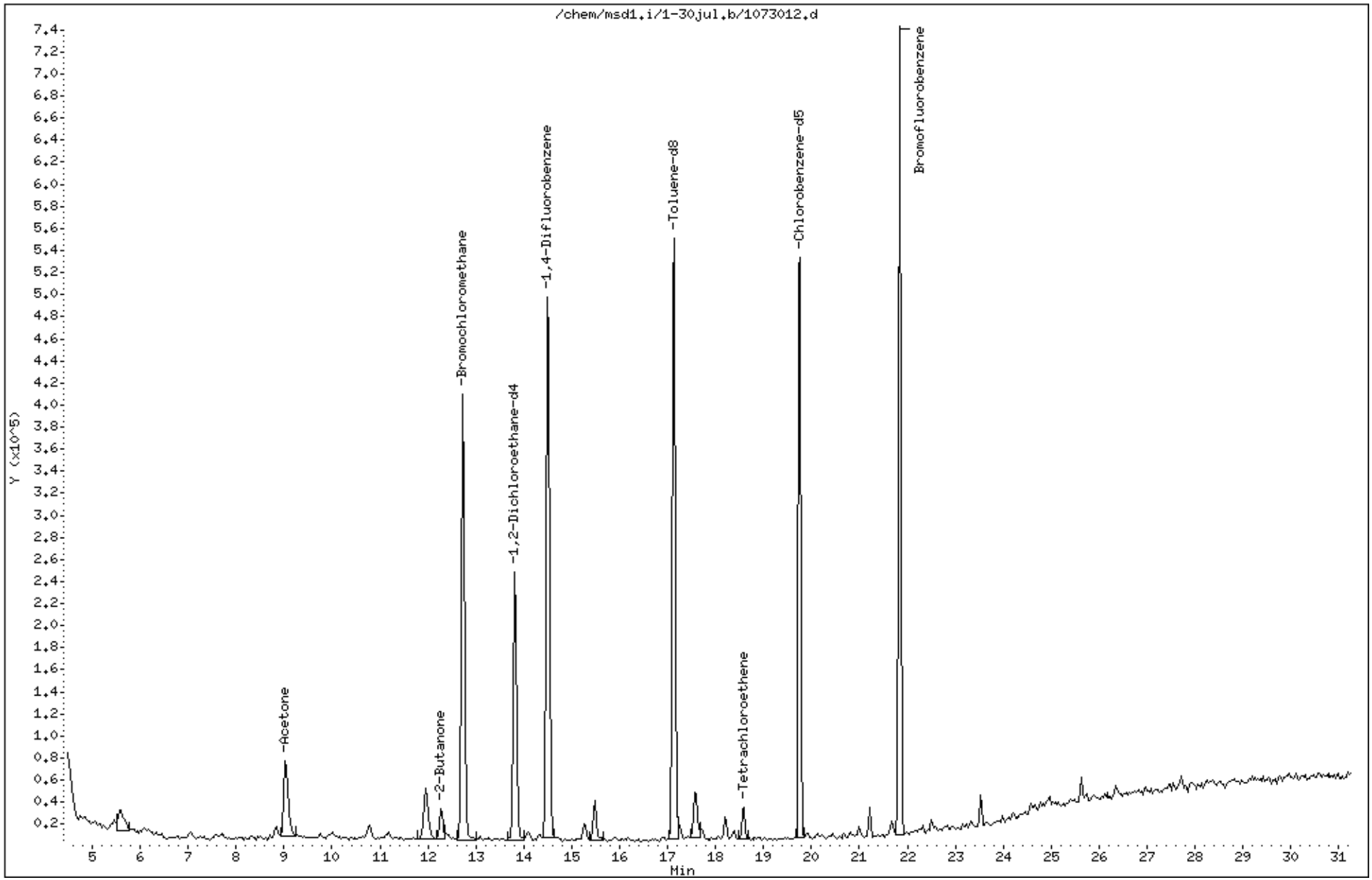
0013

Data File: /chem/msd1.i/1-30jul.b/1073012.d
Date : 30-JUL-2007 17:08
Client ID:
Sample Info: 200mL #3740

Instrument: msd1.i

Operator: kr

Column phase: RTx-624
Column diameter: 0.53



Data File: /chem/msd1.i/1-30jul.b/1073012.d

Date : 30-JUL-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #3740

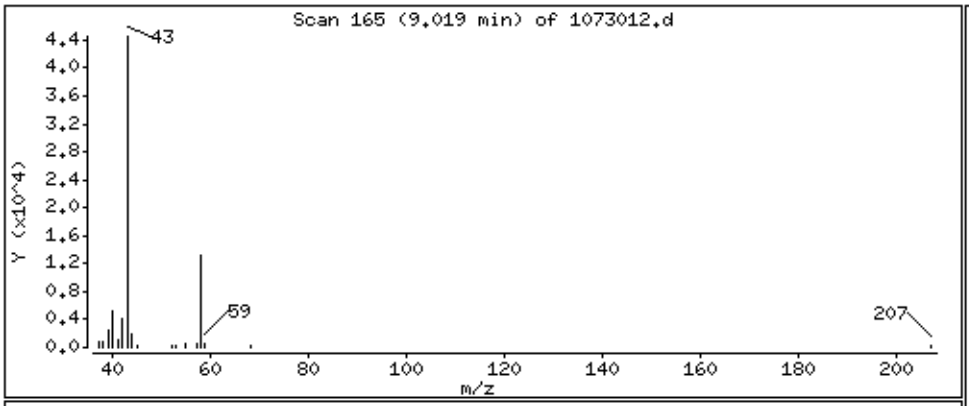
Operator: kr

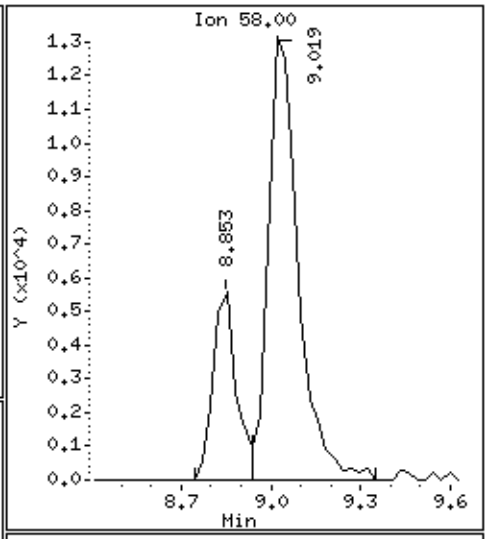
Column phase: RTx-624

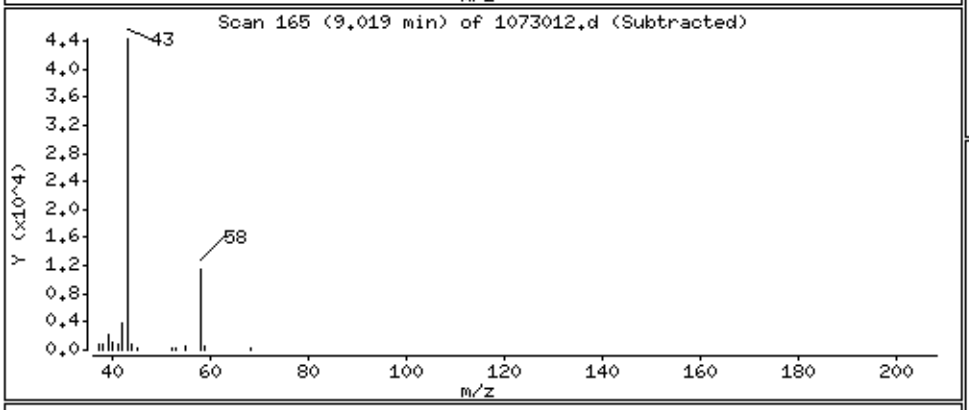
Column diameter: 0.53

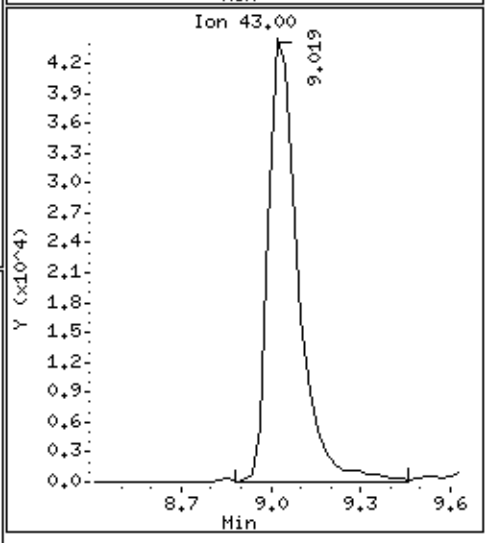
46 Acetone

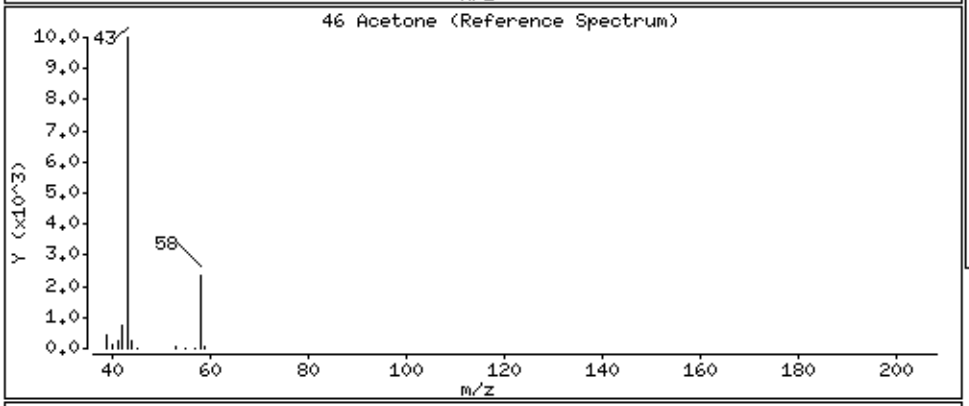
Concentration: 16.057 PPBV

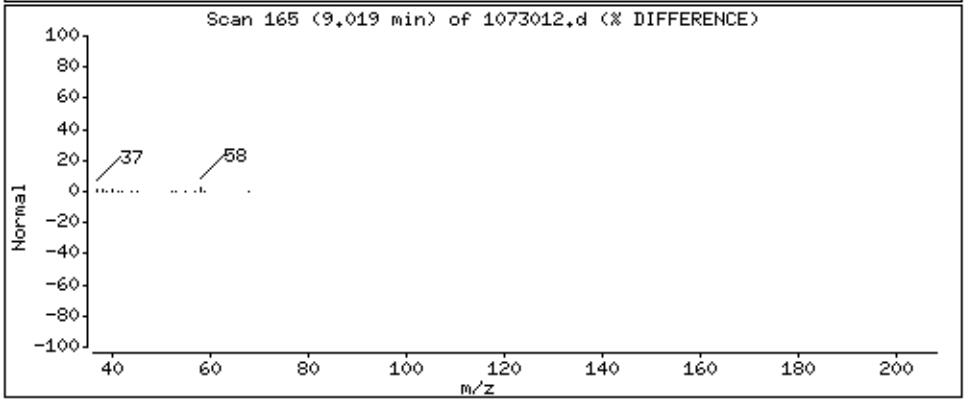












Data File: /chem/msd1.i/1-30jul.b/1073012.d

Date : 30-JUL-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #3740

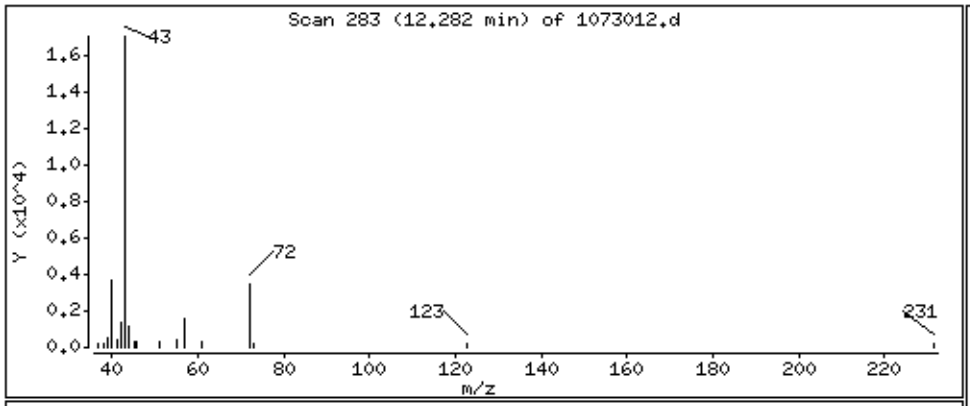
Operator: kr

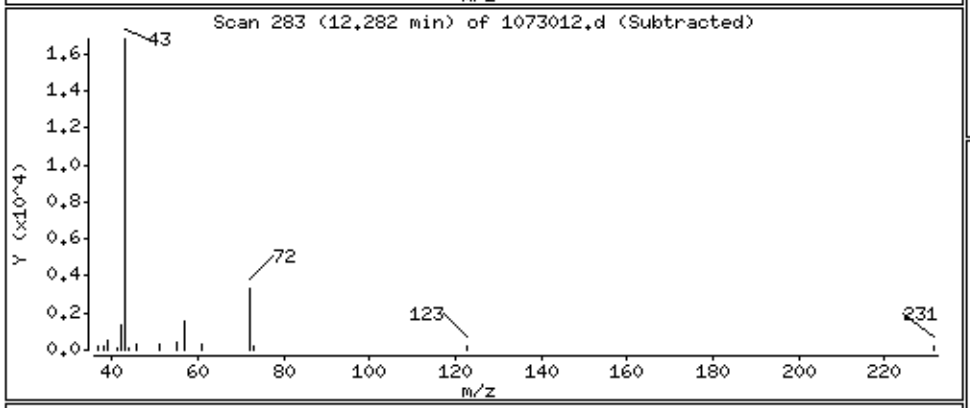
Column phase: RTx-624

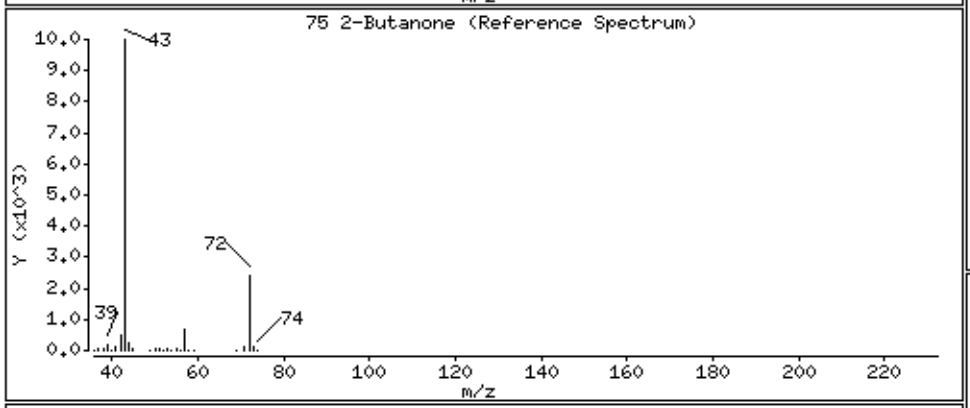
Column diameter: 0.53

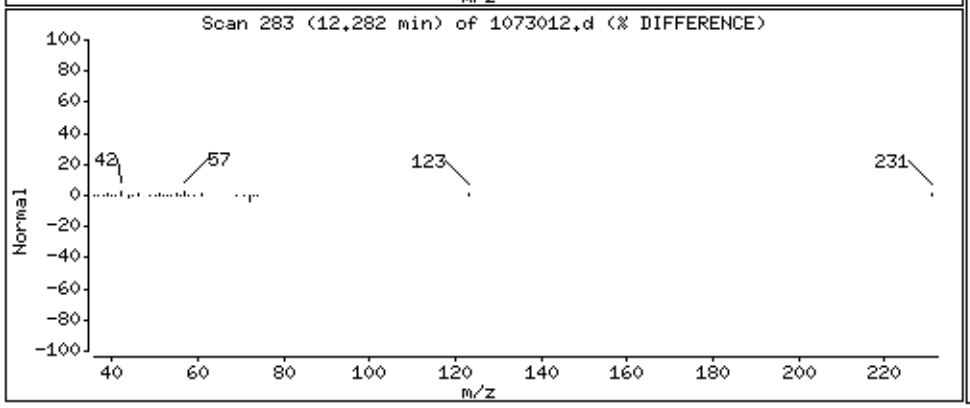
75 2-Butanone

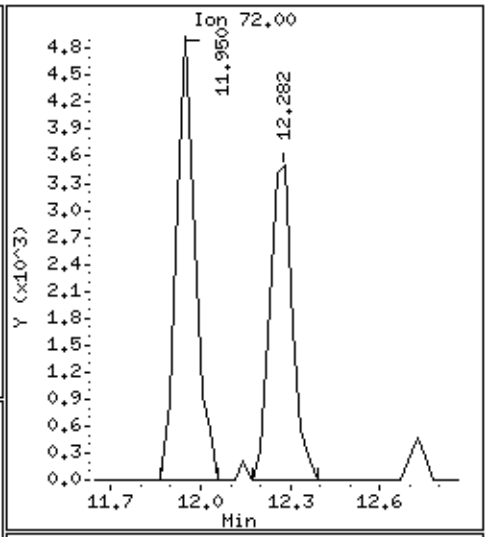
Concentration: 4.104 PPBV

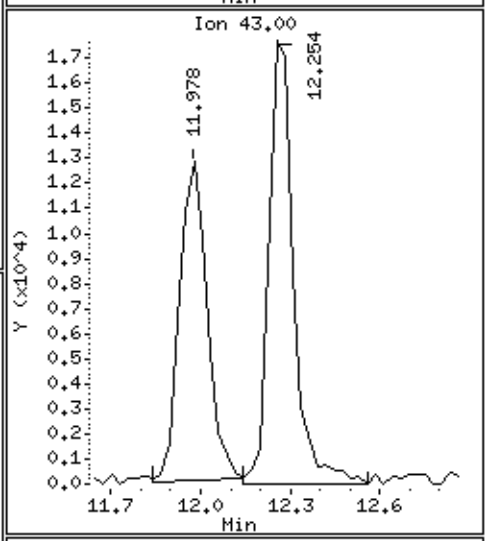


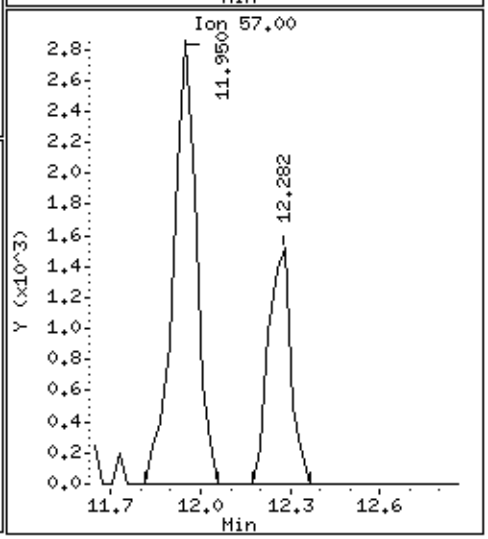












Data File: /chem/msd1.i/1-30jul.b/1073012.d

Date : 30-JUL-2007 17:08

Client ID:

Instrument: msd1.i

Sample Info: 200mL #3740

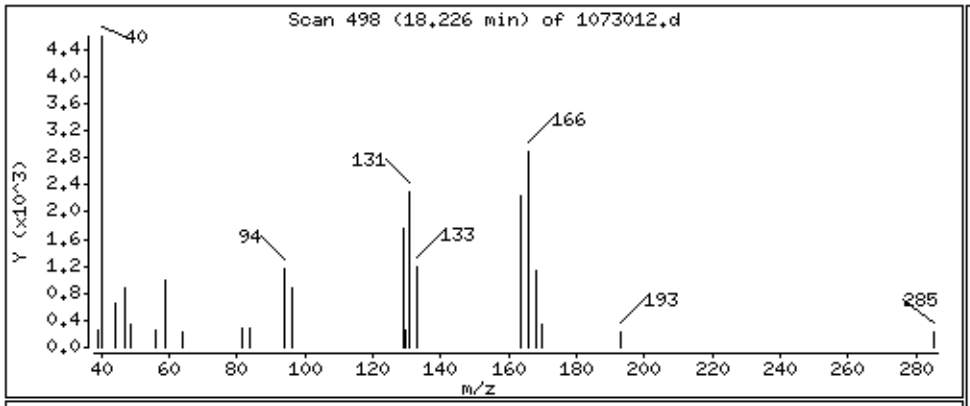
Operator: kr

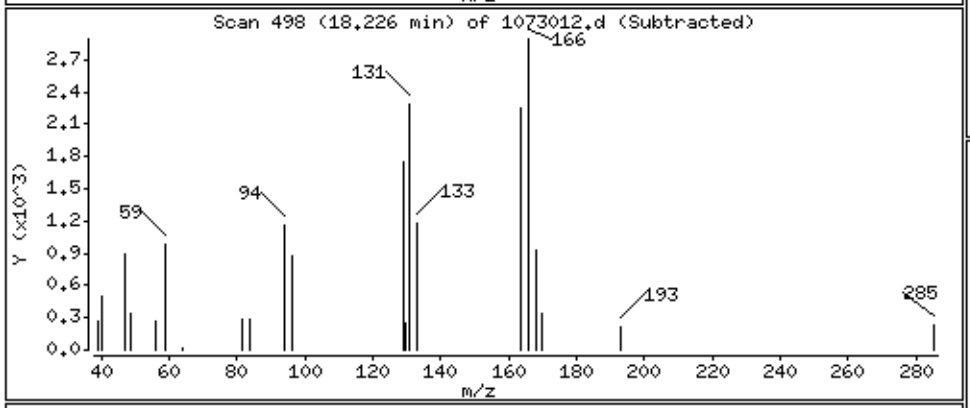
Column phase: RTx-624

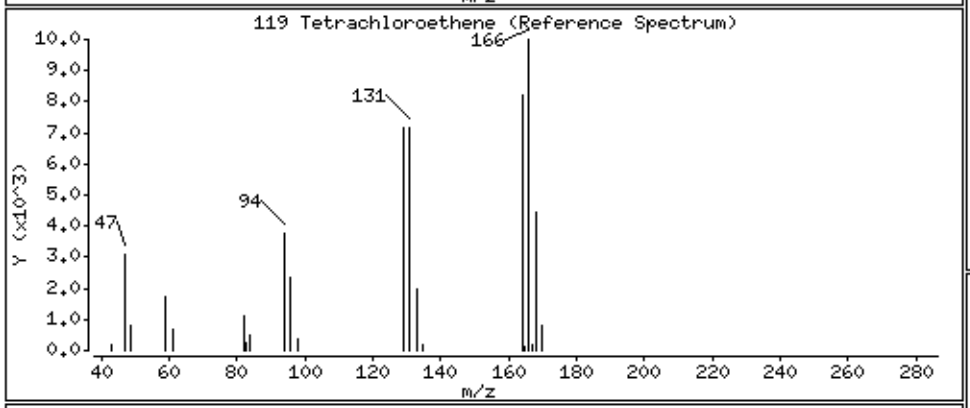
Column diameter: 0.53

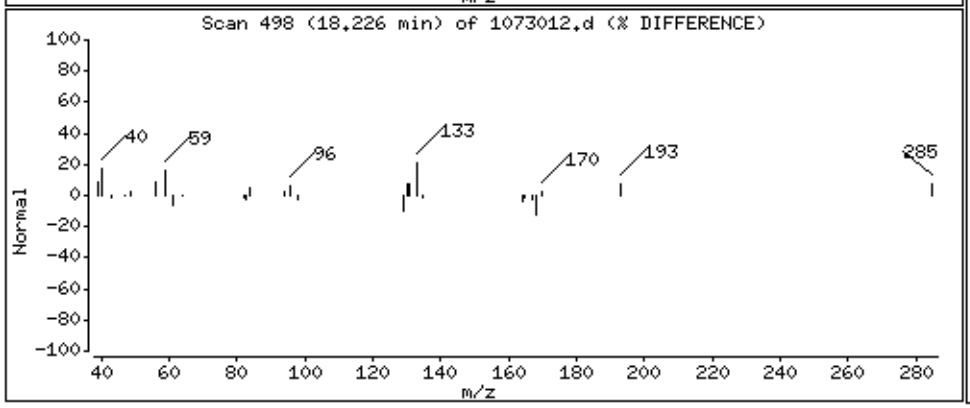
119 Tetrachloroethene

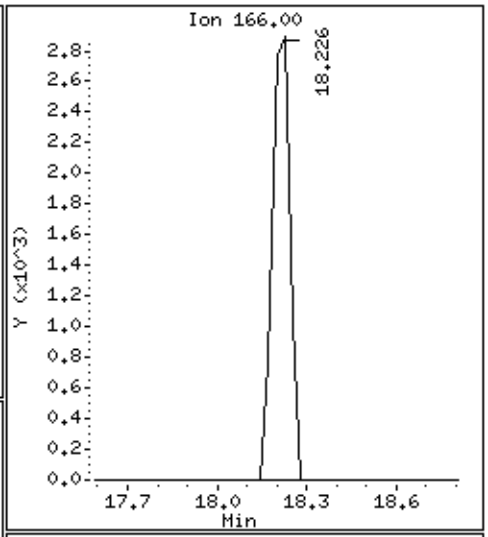
Concentration: 1.144 PPBV

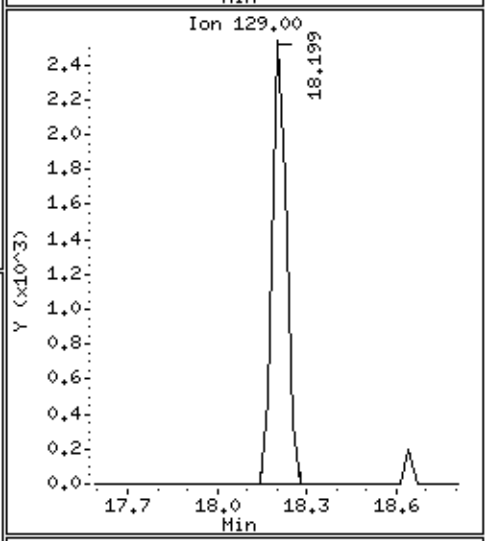


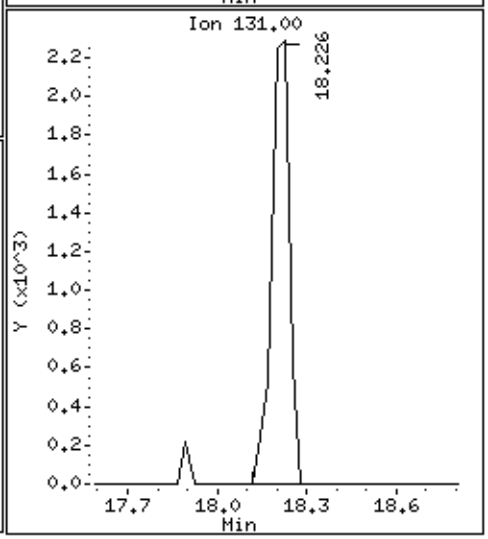












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS1 DW 07/18/07 (R8)

Lab ID#: 0707343-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	1.2	1.2	8.0	8.3
Acetone	4.7	8.2	11	19

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS1 DW 07/18/07 (R8)

Lab ID#: 0707343-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073013**	**Date of Collection:**	**7/18/07**
Dil. Factor:	**2.36**	**Date of Analysis:**	**7/30/07 05:47 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.2	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.6	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Freon 113	1.2	Not Detected	9.0	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.4	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	1.2	8.0	8.3
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
m,p-Xylene	1.2	Not Detected	5.1	Not Detected
o-Xylene	1.2	Not Detected	5.1	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.1	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.1	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS1 DW 07/18/07 (R8)

Lab ID#: 0707343-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073013**	**Date of Collection: 7/18/07**	
Dil. Factor:	**2.36**	**Date of Analysis: 7/30/07 05:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.2	Not Detected	4.8	Not Detected
Bromodichloromethane	1.2	Not Detected	7.9	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
Chloromethane	4.7	Not Detected	9.7	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	35	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
Acetone	4.7	8.2	11	19
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
2-Propanol	4.7	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.5	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
Ethanol	4.7	Not Detected	8.9	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
3-Chloropropene	4.7	Not Detected	15	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.5	Not Detected
Naphthalene	4.7	Not Detected	25	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073013.d
Lab Smp Id: 0707343-02A
Inj Date : 30-JUL-2007 17:47
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #R-8
Misc Info : 13.0"Hg-->5psi GEI
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 16:40 tbroad Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1
Dil Factor: 2.36000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	276114	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	218478			26.48- 126.48	79.13
12.724	12.724 (1.000)	49	491593			224.36- 324.36	178.04
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1021784	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	152007			0.00- 65.73	14.88
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	676711	25.0000		80.00- 120.00	100.00
19.747	19.775 (1.000)	82	359359			3.17- 103.17	53.10
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.803	13.802 (1.085)	65	393795	24.3022	24.302	80.00- 120.00	100.00
13.803	13.802 (1.085)	67	193640			2.38- 102.38	49.17
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.120 (1.183)	98	794135	23.1133	23.113	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	85169			0.00- 61.20	10.72

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.120 (1.183)	100	556662			20.95- 120.95	70.10
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.849	21.848 (1.105)	174	360701	23.7035	23.703	80.00- 120.00	100.00
21.849	21.848 (1.105)	95	497275			88.13- 188.13	137.86
21.849	21.848 (1.105)	176	346130			48.09- 148.09	95.96
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	38111	3.46107	8.168	80.00- 120.00	100.00
9.047	9.019 (0.711)	43	135788			283.38- 383.38	356.30
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.920)	166	11374	0.51723	1.221	80.00- 120.00	100.00
18.226	18.199 (0.922)	129	8932			24.91- 124.91	78.53
18.199	18.199 (0.920)	131	11069			24.95- 124.95	97.32

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073013.d
Lab Smp Id: 0707343-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 13.0"Hg-->5psi GEI

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	276114	-6.84
96 1,4-Difluorobenze	1116978	670187	1563769	1021784	-8.52
125 Chlorobenzene-d5	808735	485241	1132229	676711	-16.32

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

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

Report Date: 01-Aug-2007 08:41

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707343-02A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 13.0"Hg-->5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.302	97.21	70-130
$ 113 Toluene-d8	25.000	23.113	92.45	70-130
$ 137 Bromofluorobenzene	25.000	23.703	94.81	70-130

Data File: /chem/msd1.i/1-30jul.b/1073013.d

Date : 30-JUL-2007 17:47

Client ID:

Sample Info: 200mL #R-8

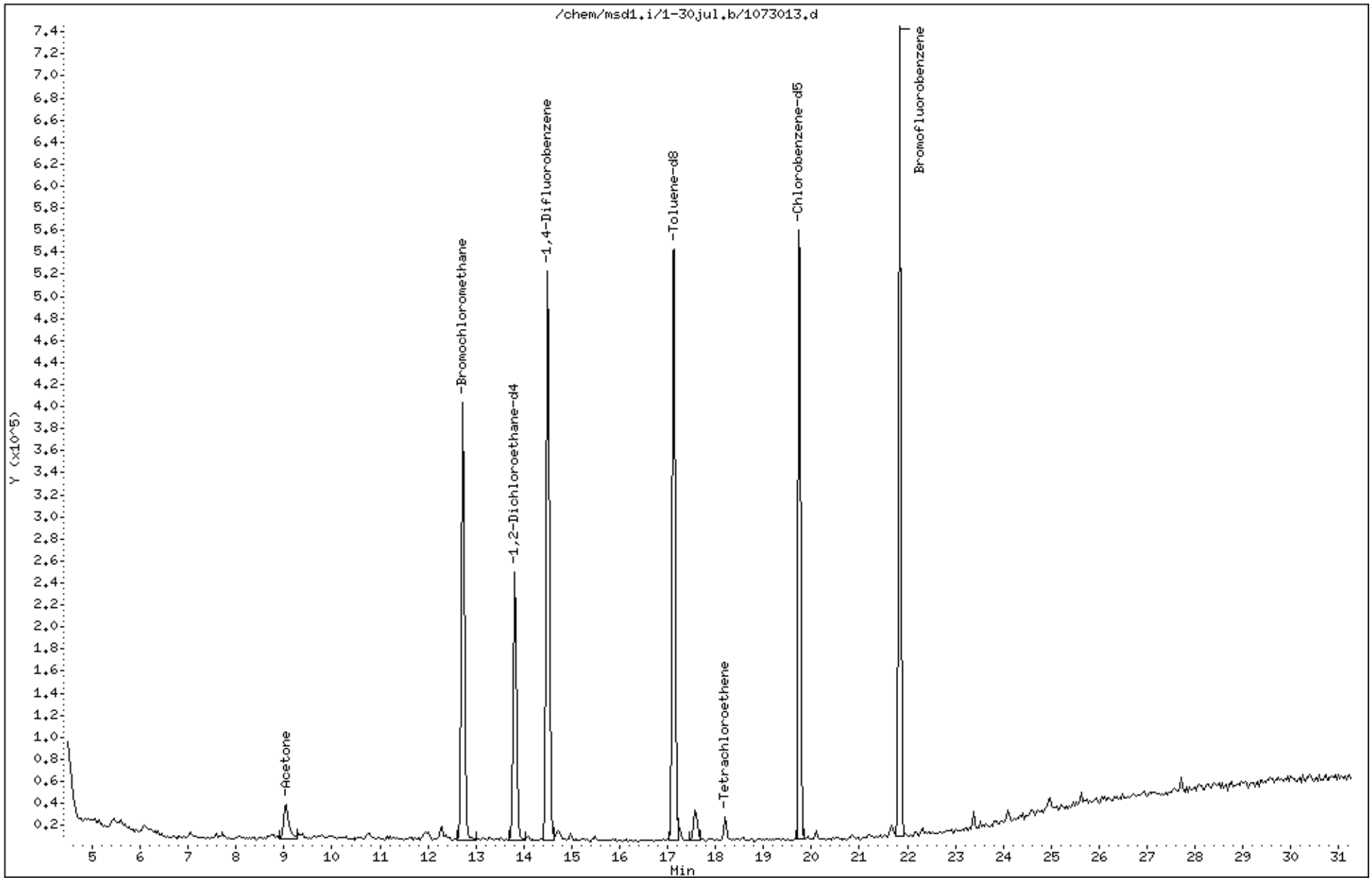
Column phase: RTx-624

Instrument: msd1.i

Operator: kr

Column diameter: 0.53

0024



Data File: /chem/msd1.i/1-30jul.b/1073013.d

Date : 30-JUL-2007 17:47

Client ID:

Instrument: msd1.i

Sample Info: 200mL #R-8

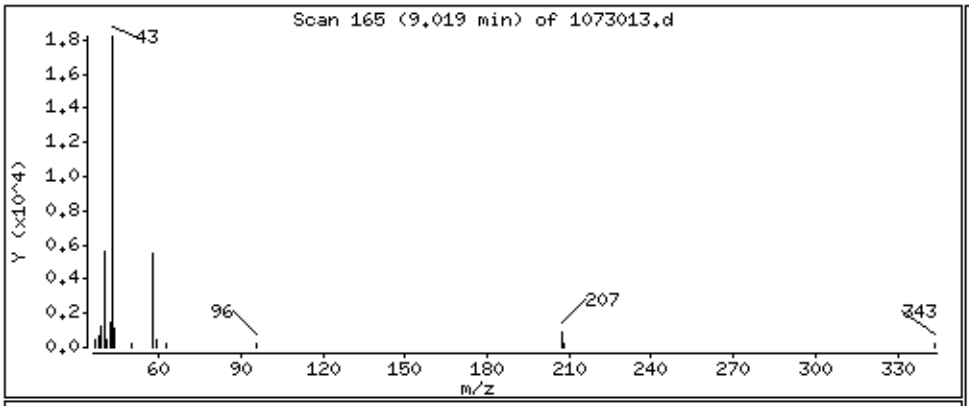
Operator: kr

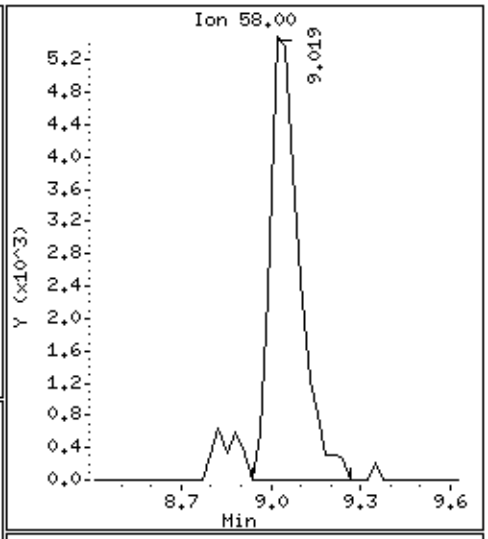
Column phase: RTx-624

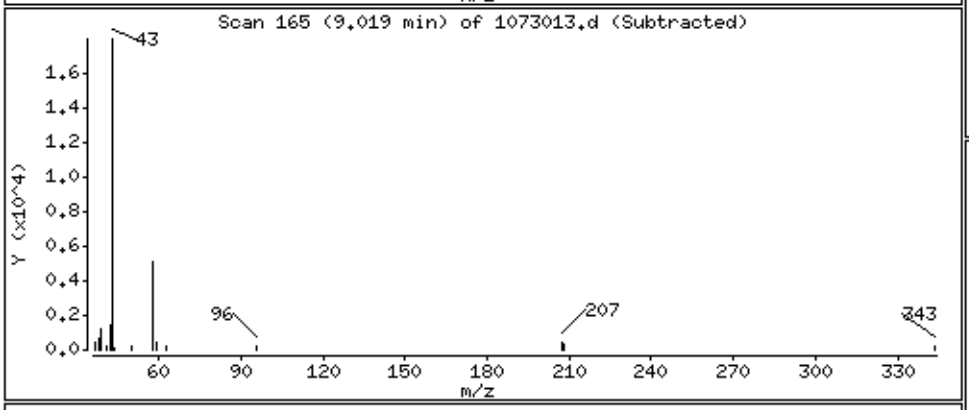
Column diameter: 0.53

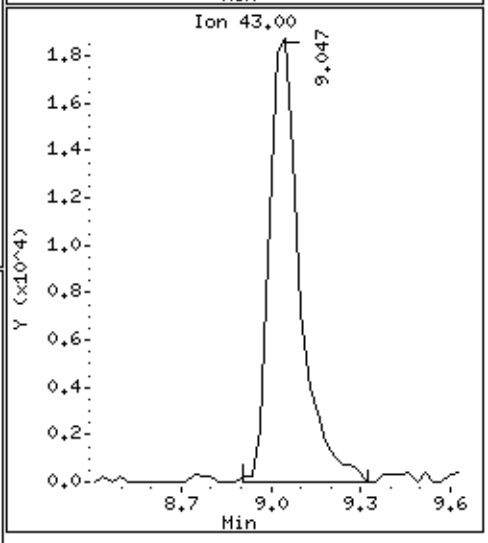
46 Acetone

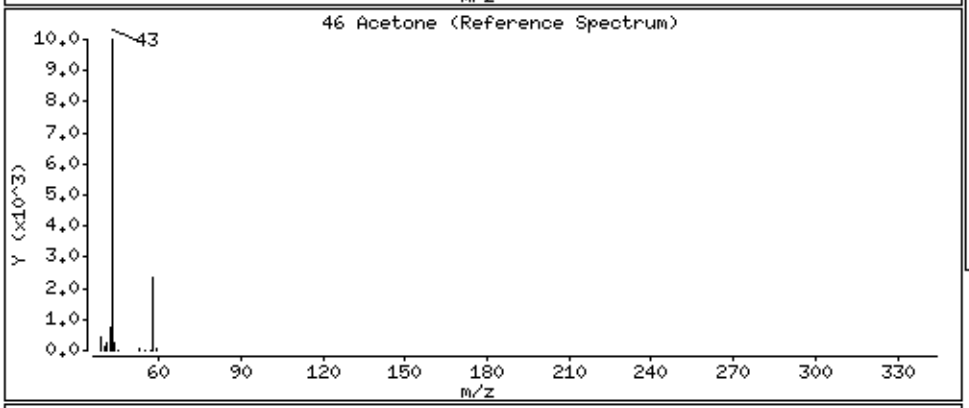
Concentration: 8.168 PPBV

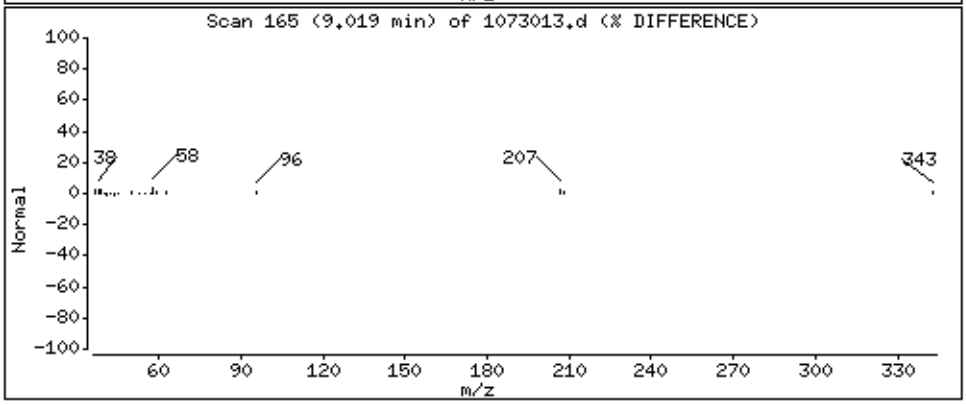












Data File: /chem/msd1.i/1-30jul.b/1073013.d

Date : 30-JUL-2007 17:47

Client ID:

Instrument: msd1.i

Sample Info: 200mL #R-8

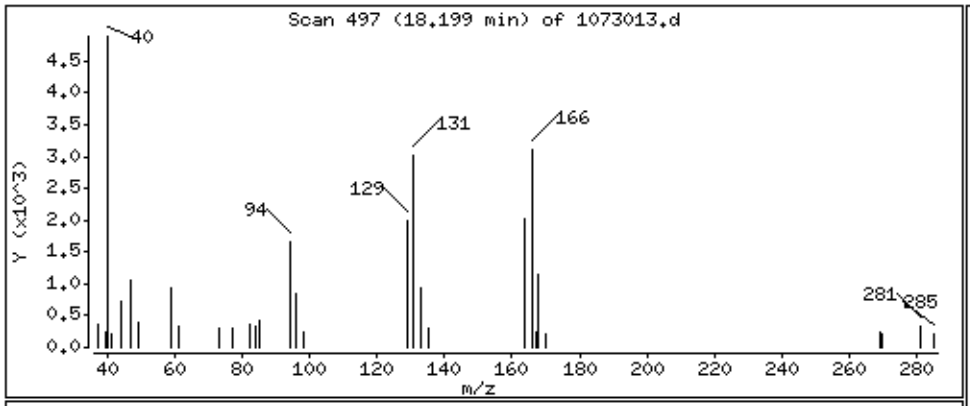
Operator: kr

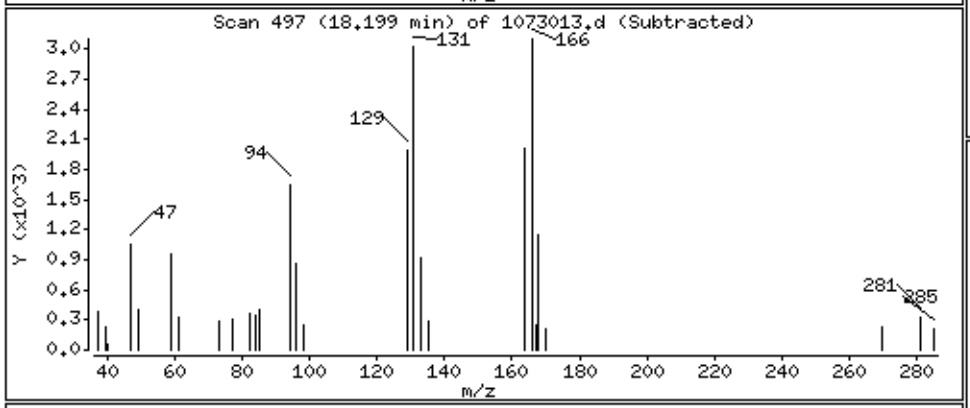
Column phase: RTx-624

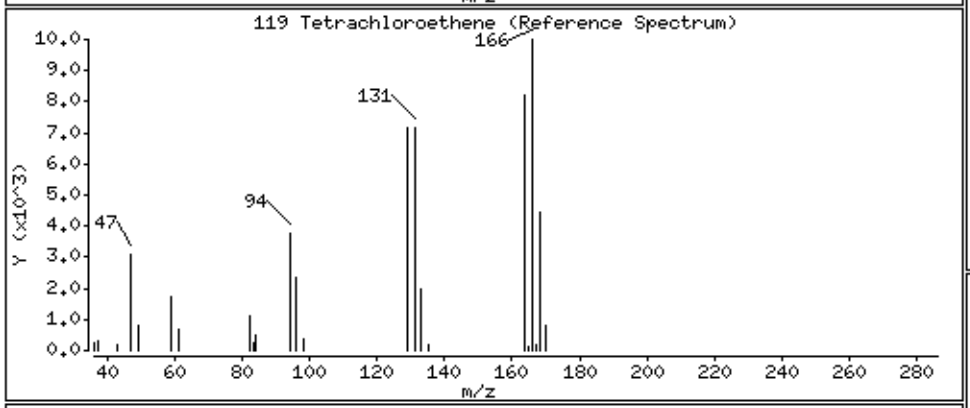
Column diameter: 0.53

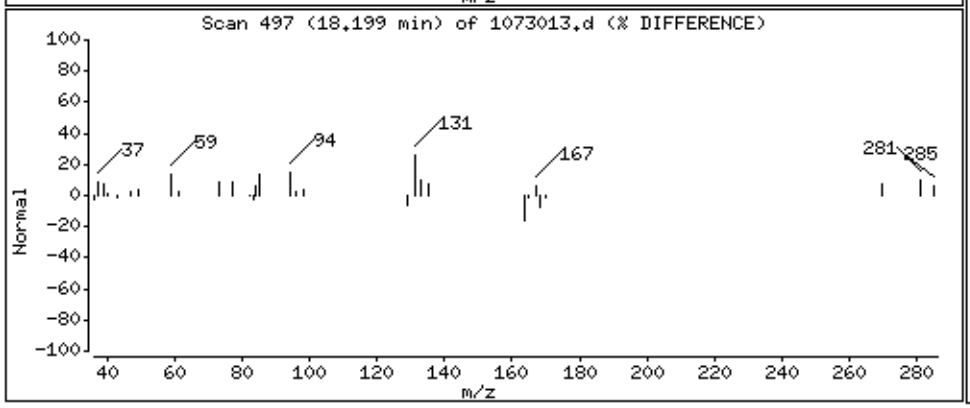
119 Tetrachloroethene

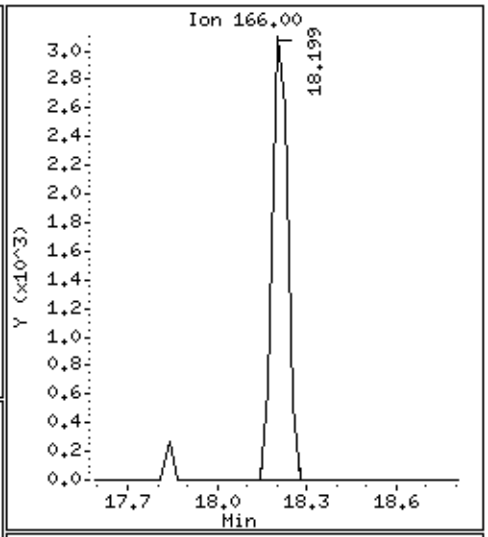
Concentration: 1.221 PPBV

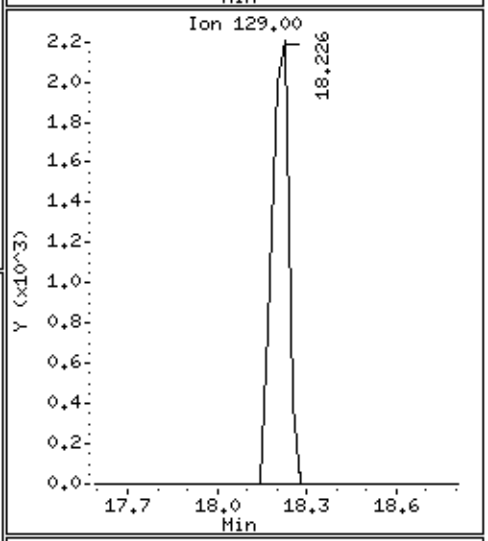


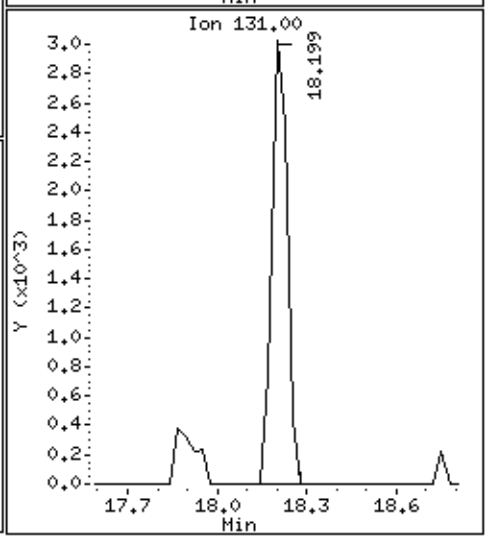












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS3 UW 07/18/07

Lab ID#: 0707343-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	8.7	8.7	20
Carbon Disulfide	0.92	1.1	2.8	3.6
2-Butanone (Methyl Ethyl Ketone)	0.92	1.3	2.7	3.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS3 UW 07/18/07

Lab ID#: 0707343-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073014**	**Date of Collection: 7/18/07**	
Dil. Factor:	**1.83**	**Date of Analysis: 7/30/07 06:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS3 UW 07/18/07

Lab ID#: 0707343-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073014**	**Date of Collection: 7/18/07**	
Dil. Factor:	**1.83**	**Date of Analysis: 7/30/07 06:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	8.7	8.7	20
Carbon Disulfide	0.92	1.1	2.8	3.6
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.3	2.7	3.9
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073014.d
Lab Smp Id: 0707343-03A
Inj Date : 30-JUL-2007 18:31
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #33384
Misc Info : 8.0"Hg-->5psi GEI
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 16:40 tbroad Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1
Dil Factor: 1.83000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	286162	25.0000		80.00- 120.00	100.00
12.752	12.724 (1.000)	128	222792			26.48- 126.48	77.86
12.724	12.724 (1.000)	49	496890			224.36- 324.36	173.64
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.521	14.494 (1.000)	114	1007070	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	157989			0.00- 65.73	15.69
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	677736	25.0000		80.00- 120.00	100.00
19.747	19.775 (1.000)	82	353750			3.17- 103.17	52.20
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.803	13.802 (1.085)	65	402871	23.9893	23.989	80.00- 120.00	100.00
13.803	13.802 (1.085)	67	191597			2.38- 102.38	47.56
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.120 (1.181)	98	790289	23.3375	23.337	80.00- 120.00	100.00
17.148	17.120 (1.181)	70	90485			0.00- 61.20	11.45

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.120 (1.181)	100	572612			20.95- 120.95	72.46
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	347714	22.8155	22.815	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	475855			88.13- 188.13	136.85
21.848	21.848 (1.105)	176	342201			48.09- 148.09	98.41
46 Acetone					CAS #: 67-64-1		
9.047	9.019 (0.711)	58	54066	4.73763	8.670	80.00- 120.00	100.00
9.047	9.019 (0.711)	43	189940			283.38- 383.38	351.31
49 Carbon Disulfide					CAS #: 75-15-0		
9.379	9.351 (0.737)	76	42757	0.62563	1.145	80.00- 120.00	100.00
75 2-Butanone					CAS #: 78-93-3		
12.282	12.254 (0.965)	72	6475	0.72436	1.326	80.00- 120.00	100.00
12.282	12.254 (0.965)	43	40544			482.87- 582.87	626.16
12.254	12.254 (0.963)	57	1980			0.00- 90.73	30.58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073014.d
Lab Smp Id: 0707343-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 8.0"Hg-->5psi GEI

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	286162	-3.45
96 1,4-Difluorobenze	1116978	670187	1563769	1007070	-9.84
125 Chlorobenzene-d5	808735	485241	1132229	677736	-16.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.52	0.19
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707343-03A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 8.0"Hg-->5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.989	95.96	70-130
$ 113 Toluene-d8	25.000	23.337	93.35	70-130
$ 137 Bromofluorobenzene	25.000	22.815	91.26	70-130

0034

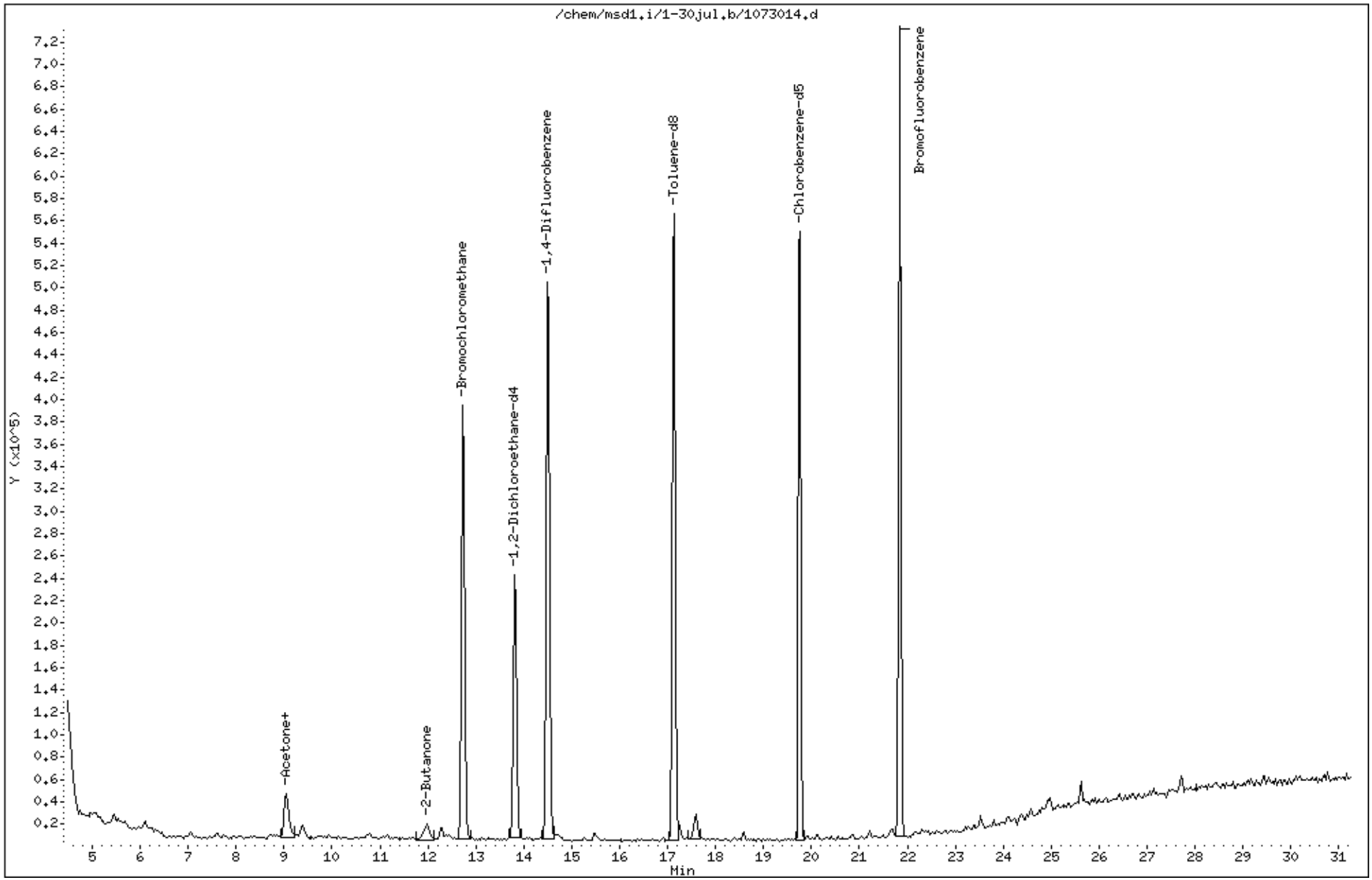
Data File: /chem/msd1.i/1-30jul.b/1073014.d
Date : 30-JUL-2007 18:31
Client ID:
Sample Info: 200mL #33384

Instrument: msd1.i

Operator: kr

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd1.i/1-30jul.b/1073014.d

Date : 30-JUL-2007 18:31

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33384

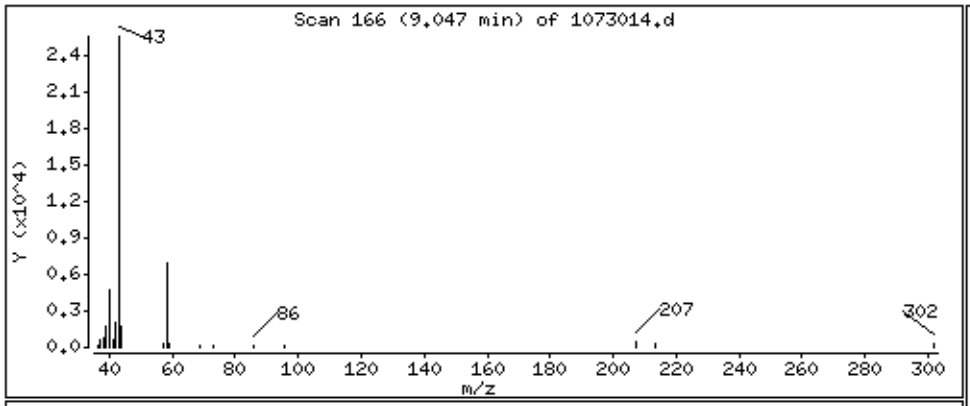
Operator: kr

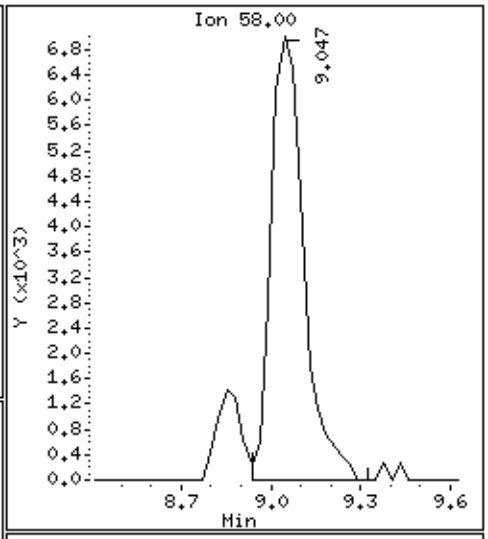
Column phase: RTx-624

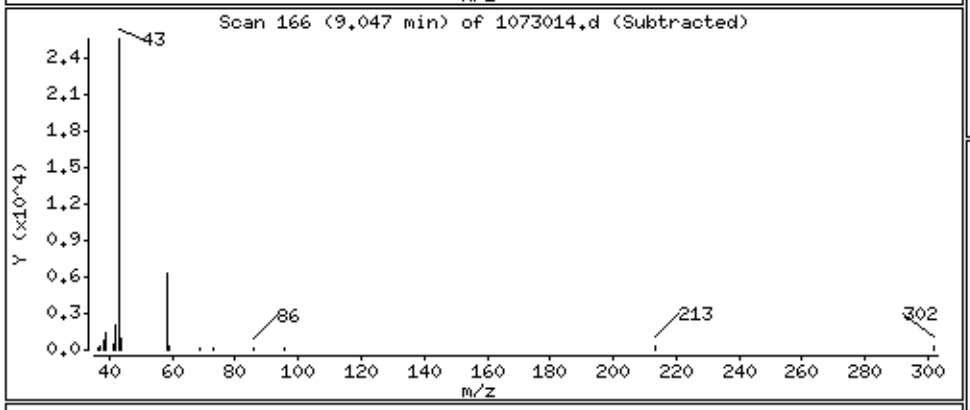
Column diameter: 0.53

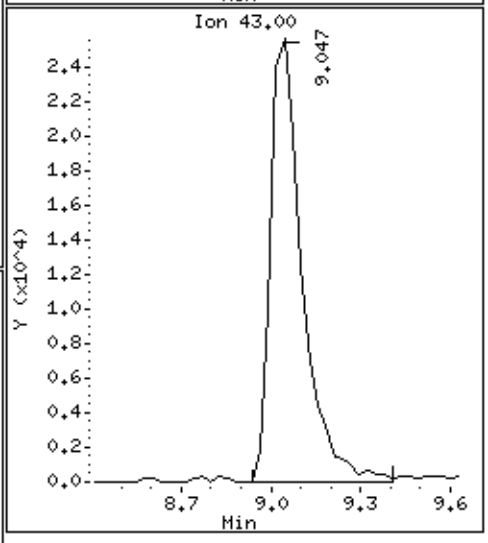
46 Acetone

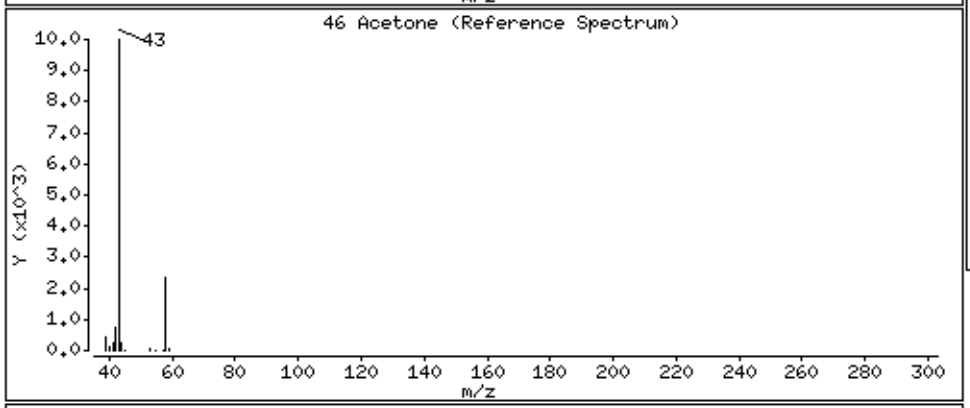
Concentration: 8.670 PPBV

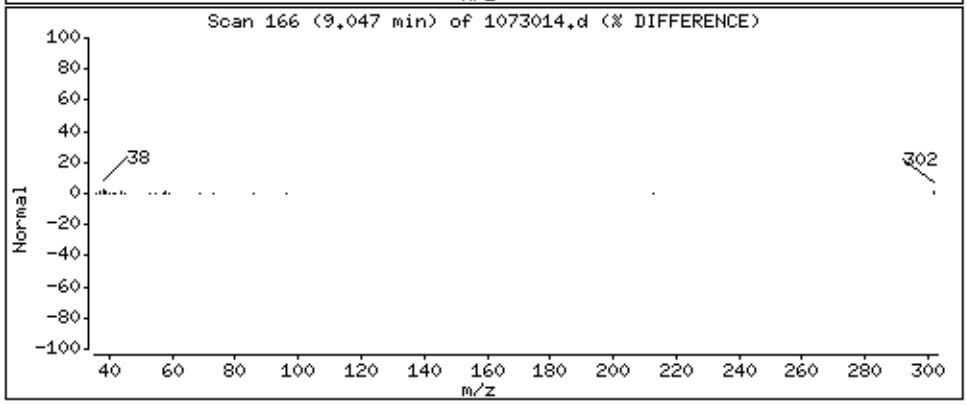












Data File: /chem/msd1.i/1-30jul.b/1073014.d

Date : 30-JUL-2007 18:31

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33384

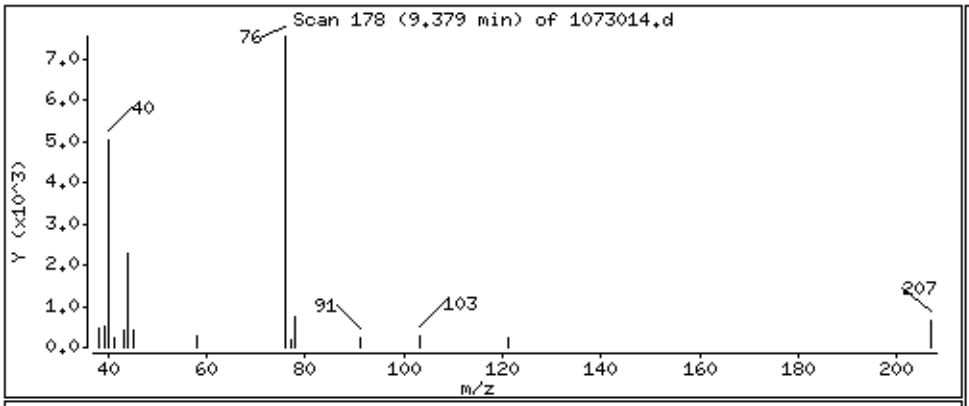
Operator: kr

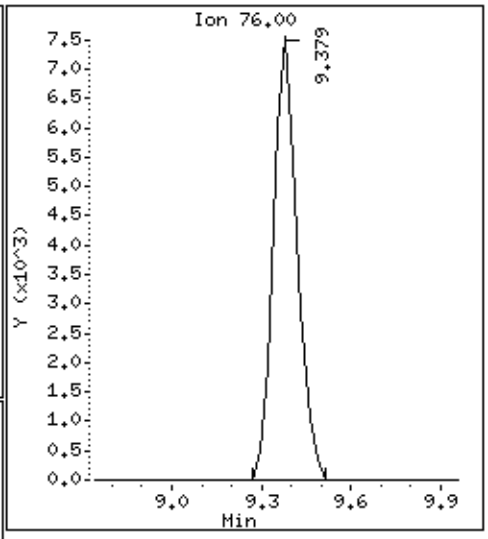
Column phase: RTx-624

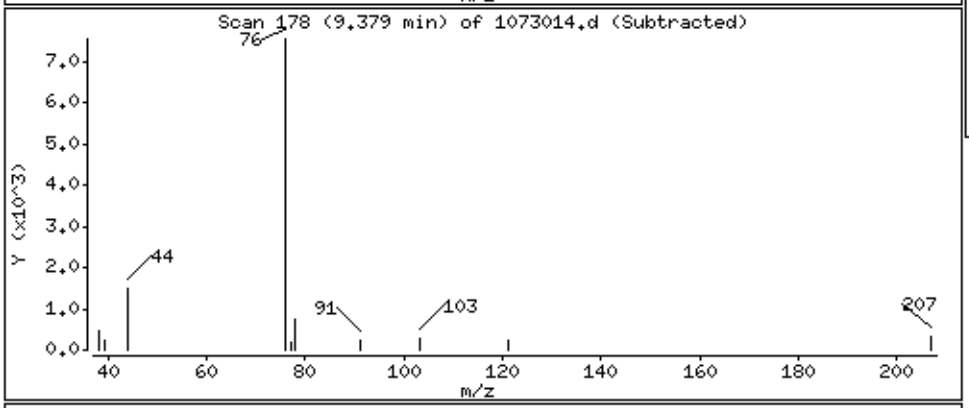
Column diameter: 0.53

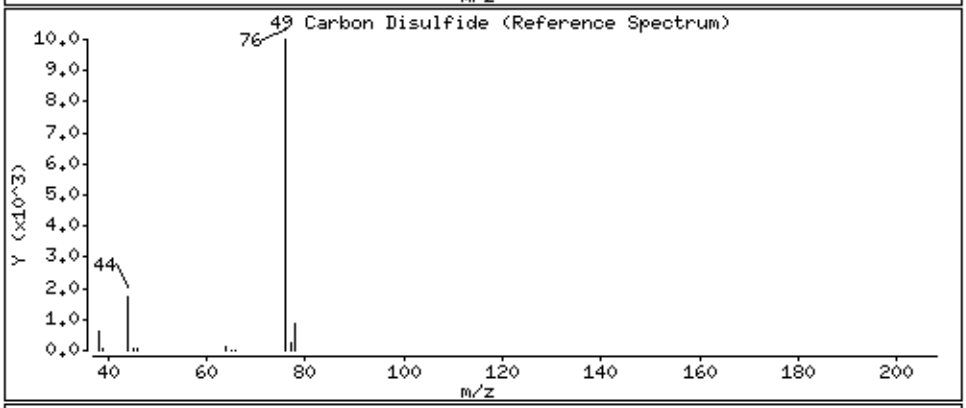
49 Carbon Disulfide

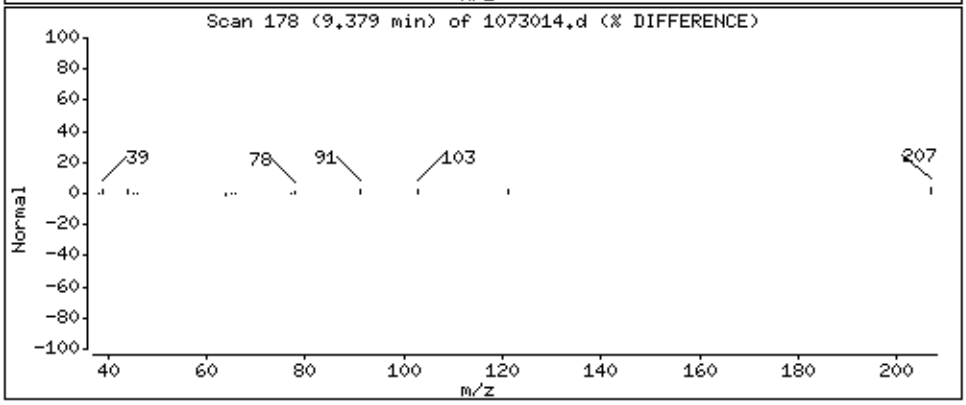
Concentration: 1.145 PPBV











Data File: /chem/msd1.i/1-30jul.b/1073014.d

Date : 30-JUL-2007 18:31

Client ID:

Instrument: msd1.i

Sample Info: 200mL #33384

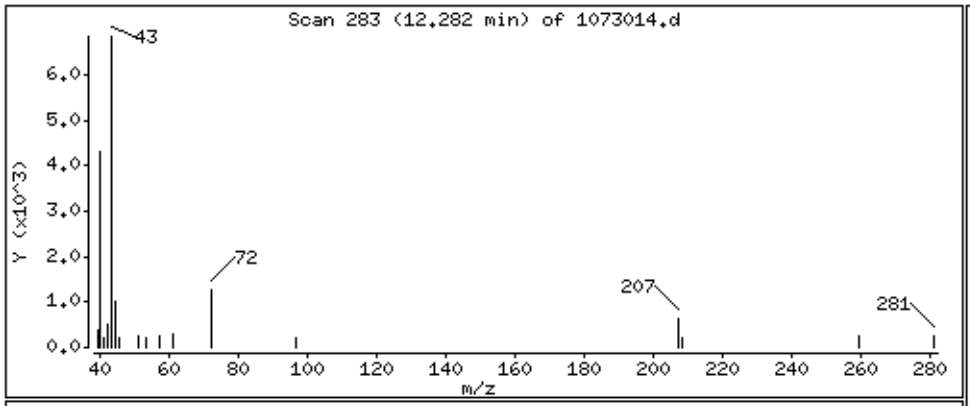
Operator: kr

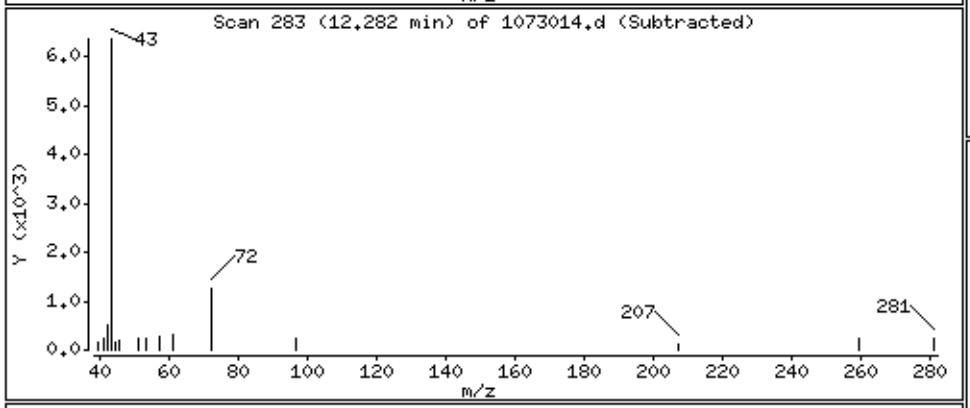
Column phase: RTx-624

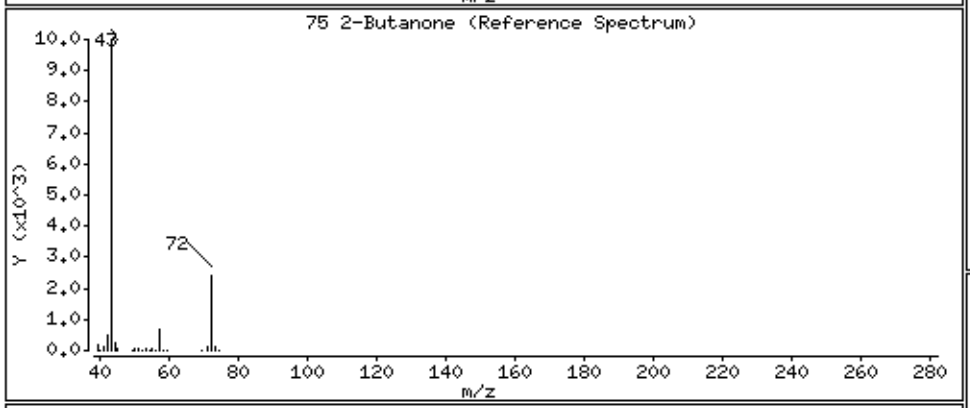
Column diameter: 0.53

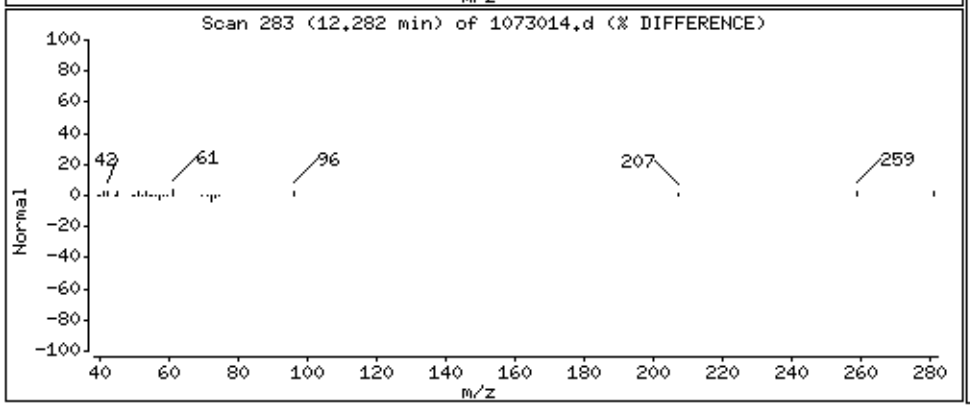
75 2-Butanone

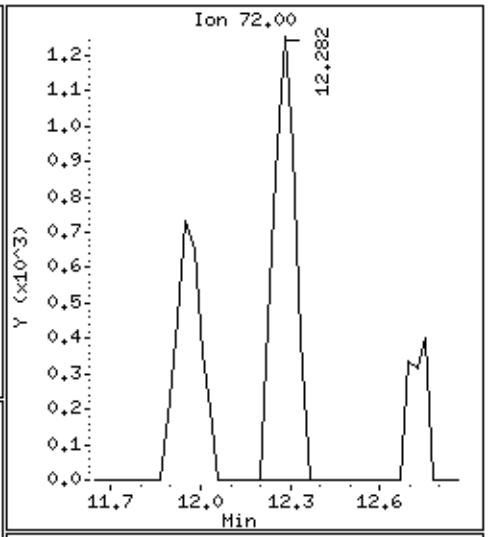
Concentration: 1.326 PPBV

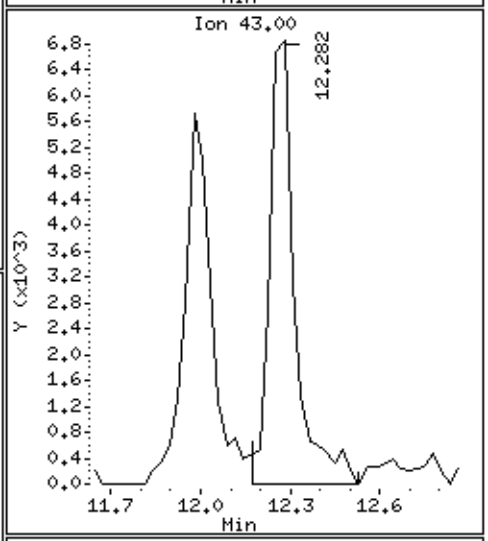


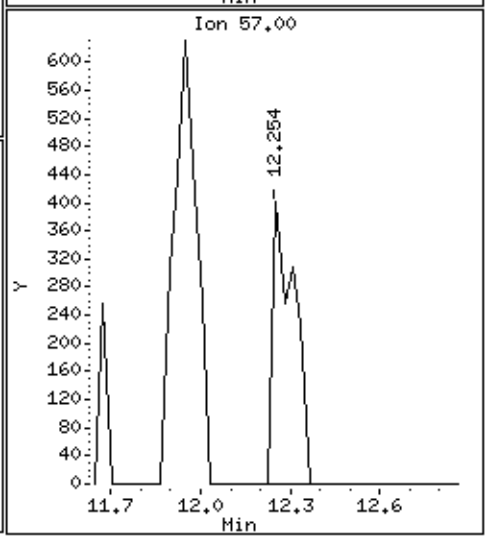












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: TRIP BLANK

Lab ID#: 0707343-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Butanone (Methyl Ethyl Ketone)	0.50	3.1	1.5	9.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: TRIP BLANK

Lab ID#: 0707343-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073015**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 07:09 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: TRIP BLANK

Lab ID#: 0707343-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073015**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 07:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	3.1	1.5	9.3
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073015.d
Lab Smp Id: 0707343-04A
Inj Date : 30-JUL-2007 19:09
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #35992
Misc Info : 29.0"Hg-->5psi GEI trip blank
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 16:40 tbroad Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.752	12.724 (1.000)	130	281248	25.0000		80.00- 120.00	100.00
12.752	12.724 (1.000)	128	215953			26.48- 126.48	76.78
12.724	12.724 (1.000)	49	498106			224.36- 324.36	177.11
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.521	14.494 (1.000)	114	1015321	25.0000		80.00- 120.00	100.00
14.521	14.494 (1.000)	88	147874			0.00- 65.73	14.56
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	679465	25.0000		80.00- 120.00	100.00
19.747	19.775 (1.000)	82	360873			3.17- 103.17	53.11
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.082)	65	388791	23.5554	23.555	80.00- 120.00	100.00
13.802	13.802 (1.082)	67	190960			2.38- 102.38	49.12
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.120 (1.181)	98	796752	23.3371	23.337	80.00- 120.00	100.00
17.148	17.120 (1.181)	70	86296			0.00- 61.20	10.83

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.120 (1.181)	100	563897			20.95- 120.95	70.77
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	362085	23.6980	23.698	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	490356			88.13- 188.13	135.43
21.848	21.848 (1.105)	176	342837			48.09- 148.09	94.68
75 2-Butanone					CAS #: 78-93-3		
12.282	12.254 (0.963)	72	27637	3.14580	3.146	80.00- 120.00	100.00
12.282	12.254 (0.963)	43	140678			482.87- 582.87	509.02
12.282	12.254 (0.963)	57	9817			0.00- 90.73	35.52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073015.d
Lab Smp Id: 0707343-04A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 29.0"Hg-->5psi GEI trip blank

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	281248	-5.10
96 1,4-Difluorobenze	1116978	670187	1563769	1015321	-9.10
125 Chlorobenzene-d5	808735	485241	1132229	679465	-15.98

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.75	0.22
96 1,4-Difluorobenze	14.49	14.16	14.82	14.52	0.19
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707343-04A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 29.0"Hg-->5psi GEI trip blank

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.555	94.22	70-130
$ 113 Toluene-d8	25.000	23.337	93.35	70-130
$ 137 Bromofluorobenzene	25.000	23.698	94.79	70-130

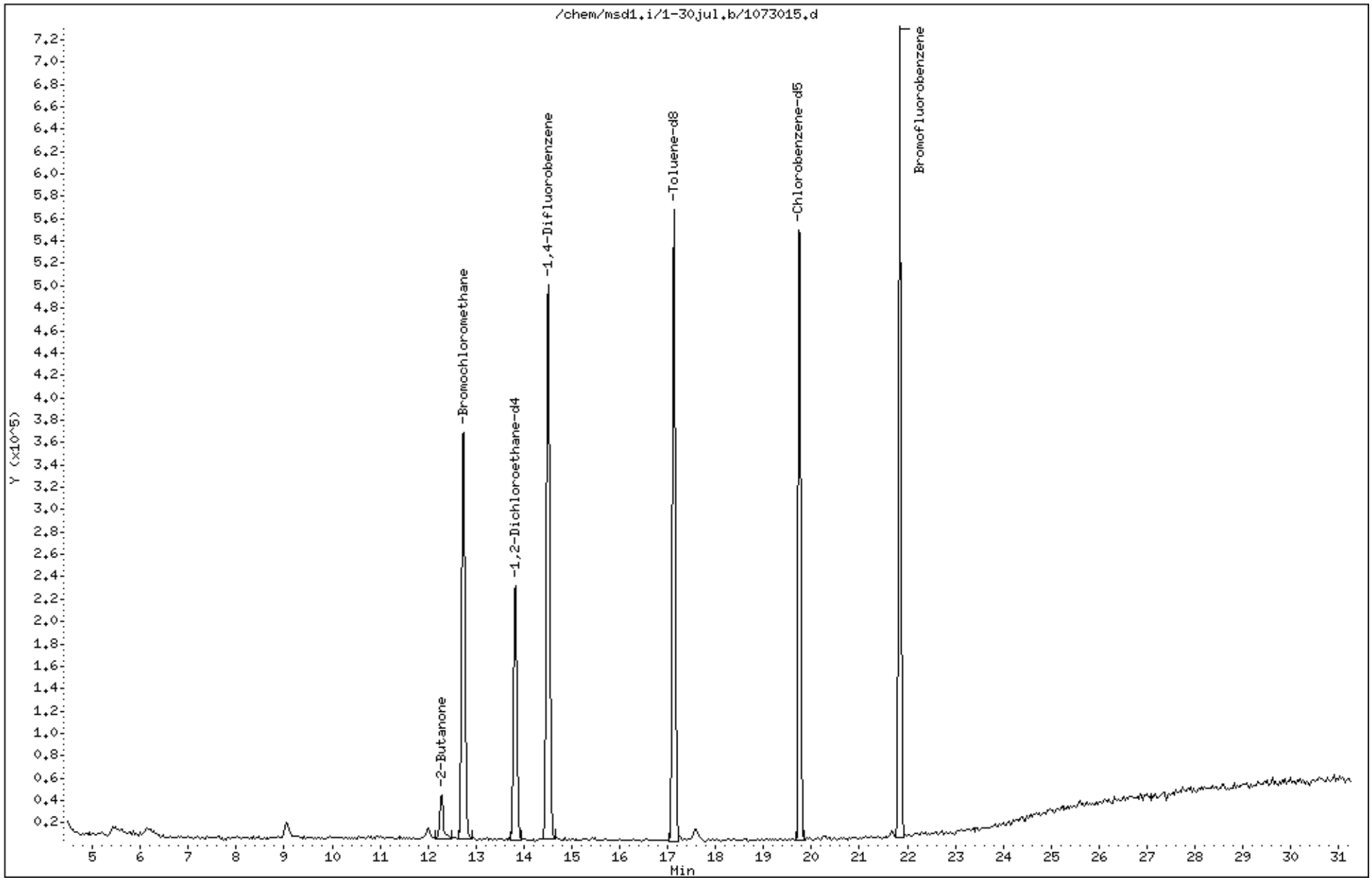
0045

Data File: /chem/msd1.i/1-30jul.b/1073015.d
Date : 30-JUL-2007 19:09
Client ID:
Sample Info: 200mL #35992

Instrument: msd1.i

Operator: kr
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-30jul.b/1073015.d

Date : 30-JUL-2007 19:09

Client ID:

Instrument: msd1.i

Sample Info: 200mL #35992

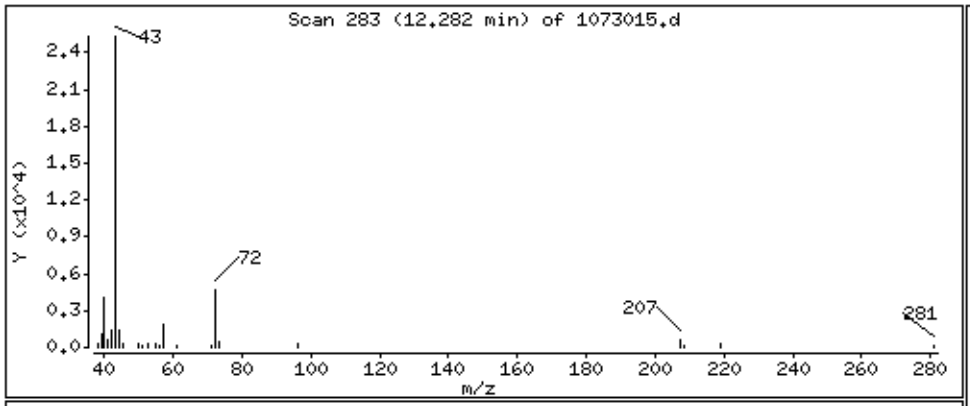
Operator: kr

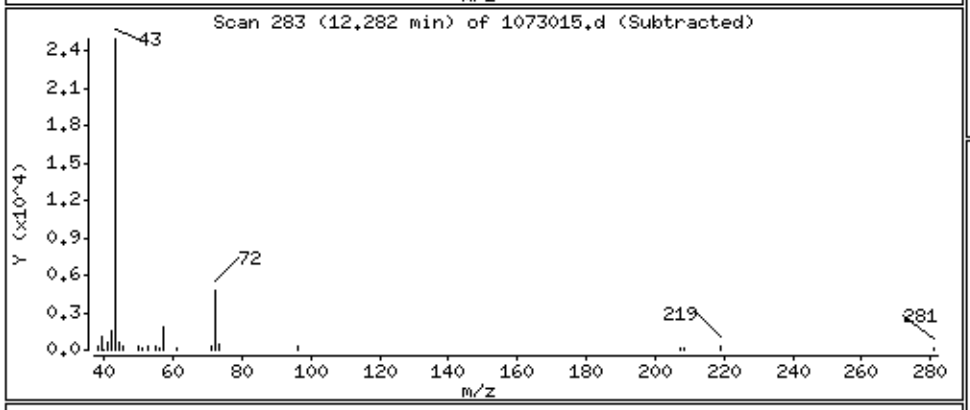
Column phase: RTx-624

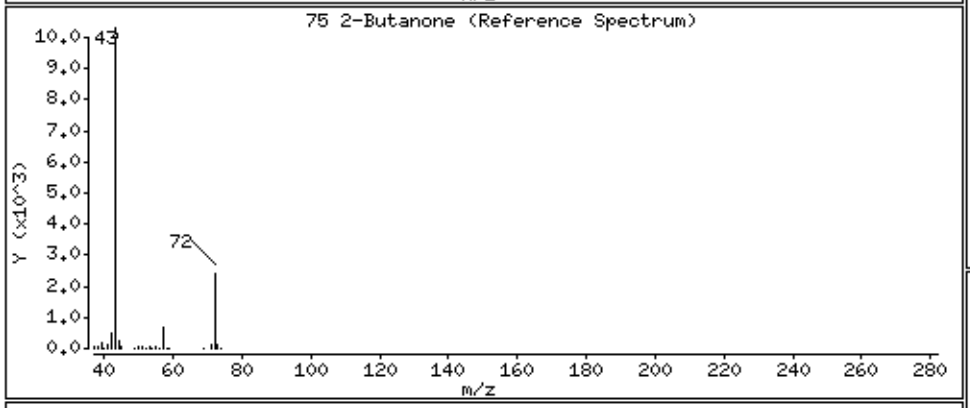
Column diameter: 0.53

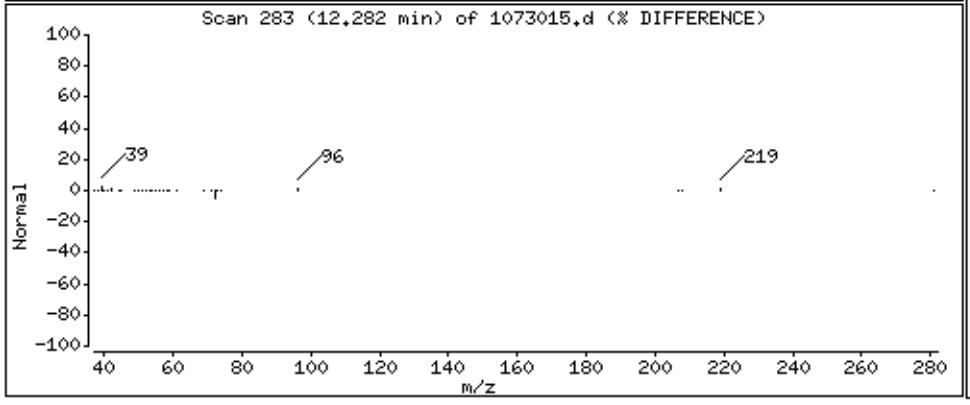
75 2-Butanone

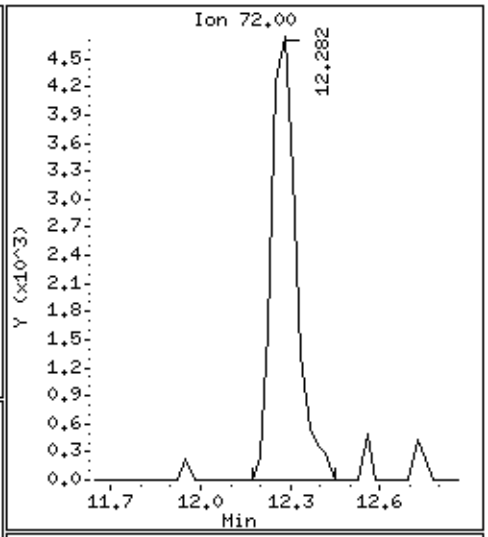
Concentration: 3.146 PPBV

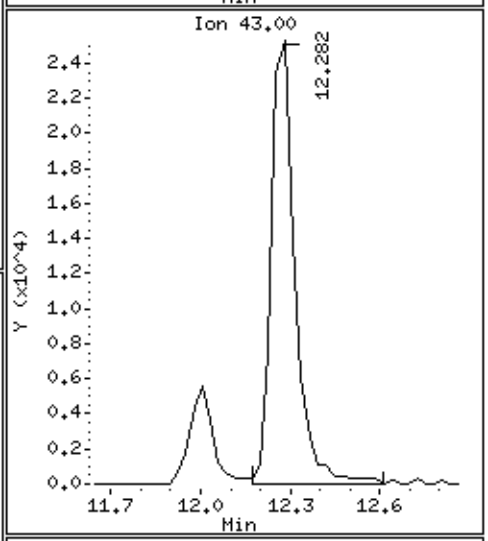


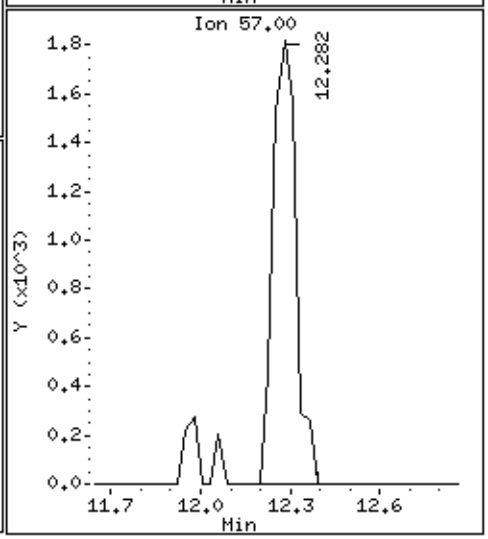












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707343-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073011**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 04:13 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707343-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073011**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 04:13 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073011.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 30-JUL-2007 16:13
Operator : cb Inst ID: msd1.i
Smp Info : 200mL #12009
Misc Info : Humid
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 09:22 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 12:37 Cal File: 1073007.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR+bc.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	263240	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	213485			26.48- 126.48	81.10
12.724	12.724 (1.000)	49	472920			224.36- 324.36	179.65
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	977848	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	149657			0.00- 65.73	15.30
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	649581	25.0000		80.00- 120.00	100.00
19.747	19.747 (1.000)	82	347130			3.17- 103.17	53.44
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	378984	24.5320	24.532	80.00- 120.00	100.00
13.802	13.802 (1.085)	67	177693			2.38- 102.38	46.89
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.148	17.120 (1.183)	98	760613	23.1324	23.132	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	84443			0.00- 61.20	11.10

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.120 (1.183)	100	530488			20.95- 120.95	69.74
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	345332	23.6413	23.641	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	472281			88.13- 188.13	136.76
21.848	21.848 (1.105)	176	338357			48.09- 148.09	97.98

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073011.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: Humid

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	263240	-11.18
96 1,4-Difluorobenze	1116978	670187	1563769	977848	-12.46
125 Chlorobenzene-d5	808735	485241	1132229	649581	-19.68

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

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

Report Date: 31-Jul-2007 09:23

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR+bc.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.532	98.13	70-130
$ 113 Toluene-d8	25.000	23.132	92.53	70-130
$ 137 Bromofluorobenzene	25.000	23.641	94.57	70-130

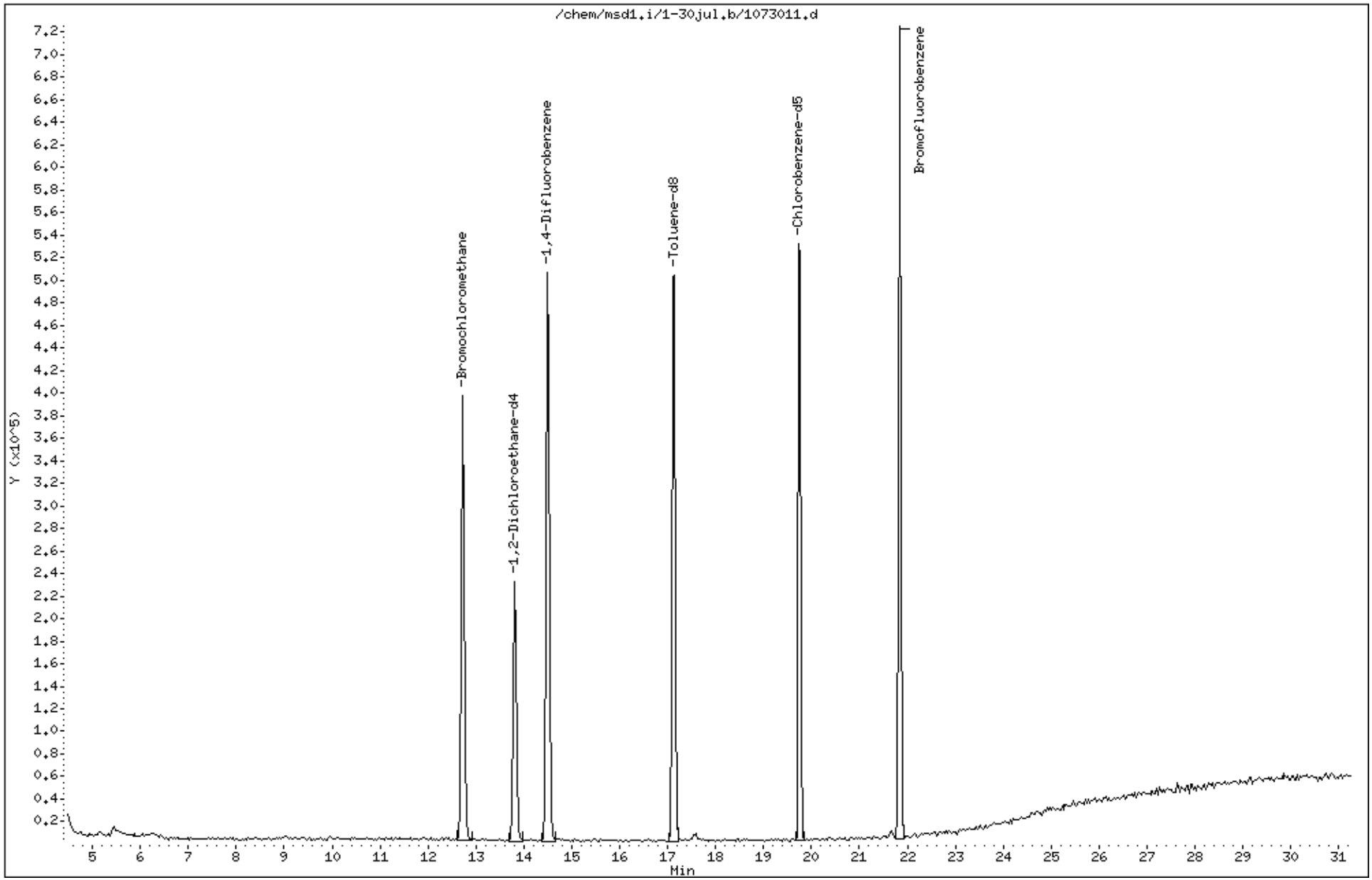
0054

Data File: /chem/msd1.i/1-30jul.b/1073011.d
Date : 30-JUL-2007 16:13
Client ID: Lab Blank
Sample Info: 200mL #12009

Column phase: RTx-624

Instrument: msd1.i

Operator: cb
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0707343

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS1 DW 07/18/07 (3740)	96		91		97				0
02	AMS1 DW 07/18/07 (R8)	97		92		95				0
03	AMS3 UW 07/18/07	96		93		91				0
04	TRIP BLANK	94		93		95				0
05	Lab Blank	98		92		94				0
06	CCV	96		100		96				0
07	LCS	102		100		102				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: 0707343

Lab File ID: 1073004.d | Date Analyzed: 07/30/2007

Instrument ID: msd1.i | Time Analyzed: 09:59 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	808735		19.77		1116978		14.49		296378		12.72	
	UPPER LIMIT	1132229		20.10		1563769		14.82		414929		13.05	
	LOWER LIMIT	485241		19.44		670187		14.16		177827		12.39	
	CLIENT SAMPLE NO												
01	AMS1 DW 07/18/07 (3740)	652761		19.77		1024123		14.49		286282		12.72	
02	AMS1 DW 07/18/07 (R8)	676711		19.77		1021784		14.49		276114		12.72	
03	AMS3 UW 07/18/07	677736		19.77		1007070		14.52		286162		12.72	
04	TRIP BLANK	679465		19.77		1015321		14.52		281248		12.75	
05	Lab Blank	649581		19.77		977848		14.49		263240		12.72	
06	CCV	808735		19.77		1116978		14.49		296378		12.72	
07													
08													
09													
10													
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12													
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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 : 19-JUL-2007 14:12
End Cal Date : 30-JUL-2007 15:22
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-30jul.b/t14q719c.m
Cal Date : 31-Jul-2007 11:28 cbond
Curve Type : Average

Calibration File Names:
Level 2: /chem/msd1.i/1-19jul.b/1071906.d
Level 3: /chem/msd1.i/1-30jul.b/1073010.d
Level 4: /chem/msd1.i/1-19jul.b/1071908.d
Level 5: /chem/msd1.i/1-30jul.b/1073006.d
Level 6: /chem/msd1.i/1-19jul.b/1071910.d
Level 7: /chem/msd1.i/1-30jul.b/1073007.d

	0.50000	2.000	25.000	50.000	100.000	200.000	___	
Compound	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
204 2-Chloroethyl-Vinyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
10 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
8 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
12 Propylene	+++++	1.53683	1.62367	1.54744	1.56855	1.68405	1.59211	3.854
203 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
13 Freon 152a	+++++	0.94142	+++++	1.06809	+++++	1.07507	1.02819	7.317
9 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Dichlorodifluoromethane/Fr12	4.19787	4.47000	4.89626	4.51741	4.58247	4.77954	4.57393	5.370
16 Freon 22	+++++	3.81901	+++++	4.06193	+++++	4.44108	4.10734	7.633
11 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
18 Freon 114	2.74719	3.14528	3.72496	3.37690	3.41237	3.44278	3.30825	10.013
17 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	2.71417	+++++	3.11556	+++++	3.03581	2.95518	7.191
19 Chloromethane	+++++	2.12427	2.18028	1.96118	1.98214	2.04308	2.05819	4.525
20 Butane	+++++	0.36301	0.36147	0.32847	0.33988	0.37496	0.35356	5.341
22 Vinyl Chloride	1.62414	2.00508	2.29708	2.09034	2.08564	2.18392	2.04770	11.247
23 1,3-Butadiene	1.17397	1.51818	1.75886	1.65826	1.68426	1.86451	1.60967	15.047
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd1.i/1-30jul.b/t14q719c.m
Cal Date : 31-Jul-2007 11:28 cbond
Curve Type : Average

Compound	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
24 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Bromomethane	1.44620	1.58518	1.92601	1.76054	1.74554	1.85212	1.71927	10.252
30 Chloroethane	1.35685	0.94856	1.07363	0.99403	0.99010	1.04648	1.06827	13.868
29 Isopentane	+++++	2.20110	2.66104	2.47425	2.51641	2.71063	2.51269	7.954
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Dichlorofluoromethane/Fr21	+++++	2.67232	+++++	3.08240	+++++	2.93750	2.89741	7.178
32 Trichlorofluoromethane/Fr11	3.66466	4.33979	5.38528	4.79731	4.88897	5.21677	4.71546	13.352
31 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 Ethanol	+++++	0.67277	0.72431	0.69790	0.71967	0.78121	0.71917	5.597
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
38 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Freon123a	+++++	1.96191	+++++	2.26024	+++++	2.32782	2.18332	8.918
42 Freon123	+++++	2.56176	+++++	3.03944	+++++	3.05316	2.88478	9.700
40 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
44 Freon 113	2.00564	2.21920	2.98595	2.65144	2.71340	2.84331	2.56982	14.730
45 1,1-Dichloroethene	2.83238	2.86416	3.57056	3.28155	3.31426	3.59812	3.24350	10.245
43 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 Acetone	+++++	0.81981	1.04396	0.98148	1.01473	1.12497	0.99699	11.274
47 2-Propanol	+++++	2.57304	3.72326	3.61646	3.85520	4.34556	3.62271	17.935
49 Carbon Disulfide	5.67710	5.59728	6.38349	5.75775	5.94357	6.46448	5.97061	6.204
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 3-Chloropropene	+++++	0.57172	0.89470	0.84103	0.84587	0.89863	0.81039	16.790
54 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Methylene Chloride	3.29474	2.68473	2.76578	2.53824	2.67051	2.87638	2.80506	9.435
57 tert-Butyl-Alcohol	+++++	1.74167	+++++	1.66080	+++++	1.21798	1.54015	18.305

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd1.i/1-30jul.b/t14q719c.m
Cal Date : 31-Jul-2007 11:28 cbond
Curve Type : Average

Compound	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
55 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 MTBE	1.87354	1.41902	1.88763	1.68884	1.66753	1.63313	1.69495	10.211
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 trans-1,2-Dichloroethene	2.19454	2.04676	2.35304	2.06504	2.07632	2.19547	2.15520	5.428
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Hexane	2.46971	2.90252	3.69470	3.41898	3.49723	3.75165	3.28913	15.259
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
68 Isopropyl ether	+++++	5.38541	+++++	6.64796	+++++	6.98088	6.33808	13.279
69 Vinyl Acetate	+++++	0.27345	0.42933	0.40587	0.41998	0.45678	0.39708	18.024
70 1,1-Dichloroethane	2.88516	3.24009	4.20584	3.83781	3.89944	4.11227	3.69677	14.108
66 1-Propanol	+++++	0.30942	+++++	0.48026	+++++	0.49644	0.42871	24.171
71 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 t-Butylethyl Ether	+++++	2.86044	+++++	3.04951	+++++	2.81191	2.90728	4.318
73 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	0.45280	0.62161	0.93890	0.85186	0.88278	0.93762	0.78093	25.480
76 2,2-Dichloropropane	+++++	0.97387	+++++	1.38223	+++++	1.09097	1.14902	18.301
74 Ethyl Acetate	+++++	0.58891	+++++	0.68069	+++++	0.71724	0.66228	9.983
77 cis-1,2-Dichloroethene	1.86968	2.42241	3.14256	2.90209	2.92953	3.09538	2.72694	18.024
78 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Tetrahydrofuran	2.66030	2.12506	2.57077	2.38727	2.47874	2.71022	2.48873	8.578
81 Chloroform	2.57835	3.04292	4.05954	3.64809	3.66605	3.81902	3.46900	15.878
85 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	2.27572	2.90244	3.74297	3.34826	3.41777	3.56416	3.20855	16.721
82 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 Cyclohexane	1.78171	1.82719	2.34262	2.12929	2.15885	2.26245	2.08369	11.022
86 Carbon Tetrachloride	2.28883	2.75149	3.63847	3.27922	3.33044	3.52070	3.13486	16.417
87 1,1-Dichloropropene	+++++	0.19594	+++++	0.22132	+++++	0.21489	0.21072	6.262
88 Isobutanol	+++++	0.26630	+++++	0.44510	+++++	0.48255	0.39798	29.039
89 2,2,4-Trimethylpentane	1.46665	1.78888	2.20477	2.14653	2.24394	2.37559	2.03773	16.778
91 Benzene	1.04348	1.19153	1.43625	1.37048	1.36555	1.39117	1.29974	11.603

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd1.i/1-30jul.b/t14q719c.m
Cal Date : 31-Jul-2007 11:28 cbond
Curve Type : Average

	0.50000	2.000	25.000	50.000	100.000	200.000	___	
Compound	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD
92 tert-amyl-Methyl Ether	+++++	0.65318	+++++	0.70501	+++++	0.58869	0.64896	8.980
93 1,2-Dichloroethane	0.51366	0.58833	0.75192	0.70400	0.71356	0.73173	0.66720	14.162
94 Heptane	0.29452	0.29330	0.39985	0.39022	0.39037	0.40454	0.36213	14.673
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 1-Butanol	+++++	0.19009	+++++	0.36188	+++++	0.40852	0.32016	35.931
101 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 Trichloroethene	0.42349	0.50955	0.58380	0.54515	0.54577	0.54933	0.52618	10.554
103 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 Methyl Cyclohexane	0.43903	0.50117	0.64722	0.63167	0.64992	0.66621	0.58920	16.117
104 1,2-Dichloropropane	0.32235	0.40584	0.50356	0.49761	0.49402	0.51140	0.45580	16.676
106 1,4-Dioxane	+++++	0.19866	0.27816	0.27550	0.28091	0.29867	0.26638	14.614
109 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
107 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108 Bromodichloromethane	0.65797	0.74556	0.96336	0.92603	0.92132	0.95085	0.86085	14.782
110 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
111 cis-1,3-Dichloropropene	0.47466	0.56366	0.71280	0.71005	0.70375	0.72278	0.64795	16.025
112 4-Methyl-2-pentanone	0.18335	0.24342	0.39492	0.39366	0.40922	0.44374	0.34472	30.476 <-
117 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
115 Toluene	0.96901	1.11110	1.39154	1.34620	1.33387	1.37842	1.25502	13.843
116 trans-1,3-Dichloropropene	0.69229	0.80124	0.99173	0.97532	0.99284	1.02638	0.91330	14.732
118 1,1,2-Trichloroethane	0.54287	0.69583	0.73022	0.70732	0.69923	0.70268	0.67969	10.024
119 Tetrachloroethene	0.62836	0.80040	0.89235	0.86445	0.84673	0.84204	0.81239	11.700
120 2-Hexanone	+++++	0.53095	0.73585	0.74312	0.79291	0.83592	0.72775	16.110
121 1,3-Dichloropropane	+++++	0.48228	+++++	0.56073	+++++	0.54649	0.52983	7.888
122 Butyl Acetate	+++++	0.33119	+++++	0.45440	+++++	0.49291	0.42617	19.823
123 Dibromochloromethane	0.82303	1.01645	1.22256	1.17927	1.16696	1.17117	1.09657	13.798
124 1,2-Dibromoethane	0.77663	0.98555	1.13764	1.09299	1.08533	1.07956	1.02628	12.865
126 Chlorobenzene	1.16960	1.44989	1.53302	1.47002	1.47368	1.45991	1.42602	9.042
128 Ethyl Benzene	0.56371	0.67102	0.77787	0.73441	0.74054	0.74001	0.70459	10.953
127 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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	0.50000	2.000	25.000	50.000	100.000	200.000	___	
Compound	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD
129 1,1,1,2-Tetrachloroethane	+++++	0.53257	+++++	0.57420	+++++	0.55514	0.55397	3.762
134 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 m,p-Xylene	0.74733	0.89975	0.98897	0.94802	0.96102	0.95711	0.91703	9.603
142 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 o-Xylene	0.71718	0.84445	0.91124	0.86795	0.87886	0.86482	0.84742	7.961
132 Styrene	1.05776	1.28828	1.55836	1.52620	1.55624	1.48530	1.41202	14.215
97 2-Heptanone	+++++	0.53364	+++++	0.93005	+++++	1.05902	0.84090	32.561
148 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Bromoform	0.59078	0.91865	1.05818	1.01507	1.02230	0.97887	0.93064	18.597
135 Cumene	2.01583	2.34081	2.40940	2.32296	2.36527	2.41967	2.31232	6.489
136 Cyclohexanone	+++++	0.52682	+++++	0.72408	+++++	0.81407	0.68832	21.346
153 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
154 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,1,2,2-Tetrachloroethane	1.12573	1.50307	1.51230	1.43400	1.46174	1.44292	1.41329	10.215
140 Bromobenzene	+++++	0.65586	+++++	0.67330	+++++	0.64045	0.65653	2.503
139 Propylbenzene	2.54837	3.11656	3.27157	3.11691	3.24371	3.21411	3.08521	8.777
141 1,2,3-Trichloropropane	+++++	0.35060	+++++	0.32321	+++++	0.31293	0.32891	5.919
144 4-Ethyltoluene	2.28597	2.81001	2.92195	2.80342	2.90450	2.87436	2.76670	8.690
145 2-Chlorotoluene	+++++	0.53532	+++++	0.53629	+++++	0.52910	0.53357	0.731
146 1,3,5-Trimethylbenzene	2.12507	2.32572	2.17895	2.10028	2.14100	2.13734	2.16806	3.753
147 4-Chlorotoluene	+++++	0.45937	+++++	0.49513	+++++	0.50385	0.48611	4.849
143 Diisobutyl Ketone	+++++	1.24277	+++++	1.63490	+++++	1.67894	1.51887	15.809
149 tert-Butylbenzene	+++++	1.86912	+++++	1.67022	+++++	1.53499	1.69144	9.936
150 1,2,4-Trimethylbenzene	2.17220	2.26861	2.30406	2.17131	2.24377	2.21481	2.22913	2.389
151 Pentachloroethane	+++++	0.53257	+++++	0.52144	+++++	0.48528	0.51310	4.819
152 sec-Butylbenzene	+++++	2.46499	+++++	2.33887	+++++	2.22689	2.34359	5.083
155 p-Cymene	+++++	1.96929	+++++	2.02451	+++++	1.93725	1.97702	2.233
156 1,3-Dichlorobenzene	1.57139	1.78253	1.74626	1.66837	1.73942	1.70653	1.70241	4.400
157 1,4-Dichlorobenzene	1.46596	1.81799	1.76709	1.70878	1.79160	1.75494	1.71772	7.492
158 1,2,3-Trimethylbenzene	+++++	0.70380	+++++	0.69101	+++++	0.65719	0.68400	3.521
159 alpha-Chlorotoluene	1.84382	2.15183	2.40064	2.38015	2.54035	2.60095	2.31962	12.081
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2007 14:12
End Cal Date : 30-JUL-2007 15:22
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-30jul.b/t14q719c.m
Cal Date : 31-Jul-2007 11:28 cbond
Curve Type : Average

Compound	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
161 Butylbenzene	+++++	0.49598	+++++	0.48825	+++++	0.48687	0.49037	1.001
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 1,2-Dichlorobenzene	1.64812	1.61401	1.63598	1.56896	1.61817	1.61164	1.61615	1.677
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
164 1,2-Dibromo-3-Chloropropane	+++++	0.42263	+++++	0.48378	+++++	0.49583	0.46741	8.398
170 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 1,2,4-Trichlorobenzene	+++++	0.82798	0.88440	0.85938	0.92215	0.93931	0.88664	5.114
168 Hexachlorobutadiene	+++++	0.70928	0.73301	0.67851	0.68565	0.64692	0.69067	4.706
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
172 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 Naphthalene	1.70280	1.97180	1.98948	2.00128	2.24925	2.34078	2.04257	11.091
173 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.41888	1.43269	1.45989	1.39365	1.47267	1.62515	1.46715	5.618
$ 113 Toluene-d8	0.81109	0.80825	0.83509	0.84804	0.85448	0.88693	0.84064	3.506
$ 137 Bromofluorobenzene	0.54790	0.54237	0.56618	0.55793	0.57611	0.58256	0.56218	2.801

Calibration History

Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Start Cal Date: 19-JUL-2007 14:12
End Cal Date : 30-JUL-2007 15:22

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 2 , Cal Amount: 0.50000		
19-JUL-2007 14:12	AT04low+ENSR	/chem/msd1.i/1-19jul.b/1071906.d
Cal Level: 3 , Cal Amount: 2.00000		
30-JUL-2007 15:22	sp15c	/chem/msd1.i/1-30jul.b/1073010.d
20-JUL-2007 16:47	sp20b	/chem/msd1.i/1-20jul.b/1072010.d
19-JUL-2007 14:55	AT04mdl+ENSR	/chem/msd1.i/1-19jul.b/1071907.d
Cal Level: 4 , Cal Amount: 25.00000		
19-JUL-2007 15:32	AT04mdl+ENSR	/chem/msd1.i/1-19jul.b/1071908.d
Cal Level: 5 , Cal Amount: 50.00000		
30-JUL-2007 11:52	sp15c	/chem/msd1.i/1-30jul.b/1073006.d
20-JUL-2007 17:24	sp20b	/chem/msd1.i/1-20jul.b/1072011.d
19-JUL-2007 16:09	AT04mdl+ENSR	/chem/msd1.i/1-19jul.b/1071909.d
Cal Level: 6 , Cal Amount: 100.00000		
19-JUL-2007 16:47	AT04mdl+ENSR	/chem/msd1.i/1-19jul.b/1071910.d
Cal Level: 7 , Cal Amount: 200.00000		
30-JUL-2007 12:37	sp15c	/chem/msd1.i/1-30jul.b/1073007.d
20-JUL-2007 18:02	sp20b	/chem/msd1.i/1-20jul.b/1072012.d
19-JUL-2007 17:25	AT04mdl+ENSR	/chem/msd1.i/1-19jul.b/1071911.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000
30-JUL-2007 09:59 | AT04ENSR | /chem/msd1.i/1-30jul.b/1073004.d
Ccal Level: 5 , Ccal Amount: 50.000
30-JUL-2007 11:52 | sp15cCCV | /chem/msd1.i/1-30jul.b/1073006a.d
Ccal Level: 5 , Ccal Amount: 50.000
30-JUL-2007 11:52 | sp15c | /chem/msd1.i/1-30jul.b/1073006.d
Ccal Level: 5 , Ccal Amount: 50.000
30-JUL-2007 13:35 | sp20bccv | /chem/msd1.i/1-30jul.b/1073008.d

Initial Calibration Narrative

A 3 point initial calibration was analyzed on MSD-1 on July 30, 2007. As noted on the accompanying analytical run log(s), the following point, 0.5ppbv, was re-analyzed due to:

a. anomalous unacceptable recovery of internal standards

@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	21.79
75	30.0 – 60.0% of mass 95	41.70
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.22
173	Less than 2.0% of mass 174	(0.83)[1]
174	Greater than 50.0% of mass 95	72.61
175	5.0 – 9.0% of mass 174	(6.87)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.13)[1]
177	5.0 – 9.0% of mass 176	(6.23)[2]

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

BFB Injection Date: 7/19/07
BFB Injection Time: 1346
BFB File ID: 1071905
Tekmar Purge Flow: 20.2 mL/min
Vacuum: 3.8×10^{-5} torr

IS/S Std.#:	1443 ~~253~~ 153	Exp. Date: 10/1/07
BCM	330967	
1,4-DFB	1232867	
CB-d5	895361	

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

Verify 176/174 m/z Ratio: 935698 / 983616 x 100 = 95.13%

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1045515\ )}{(\ 1232867\ )} \times \frac{(\ 25.0\ )}{(\ 0.84064\ )} = 25.220$

File ID:	T071909
Compound:	Toluene-d8
Initials:	CB

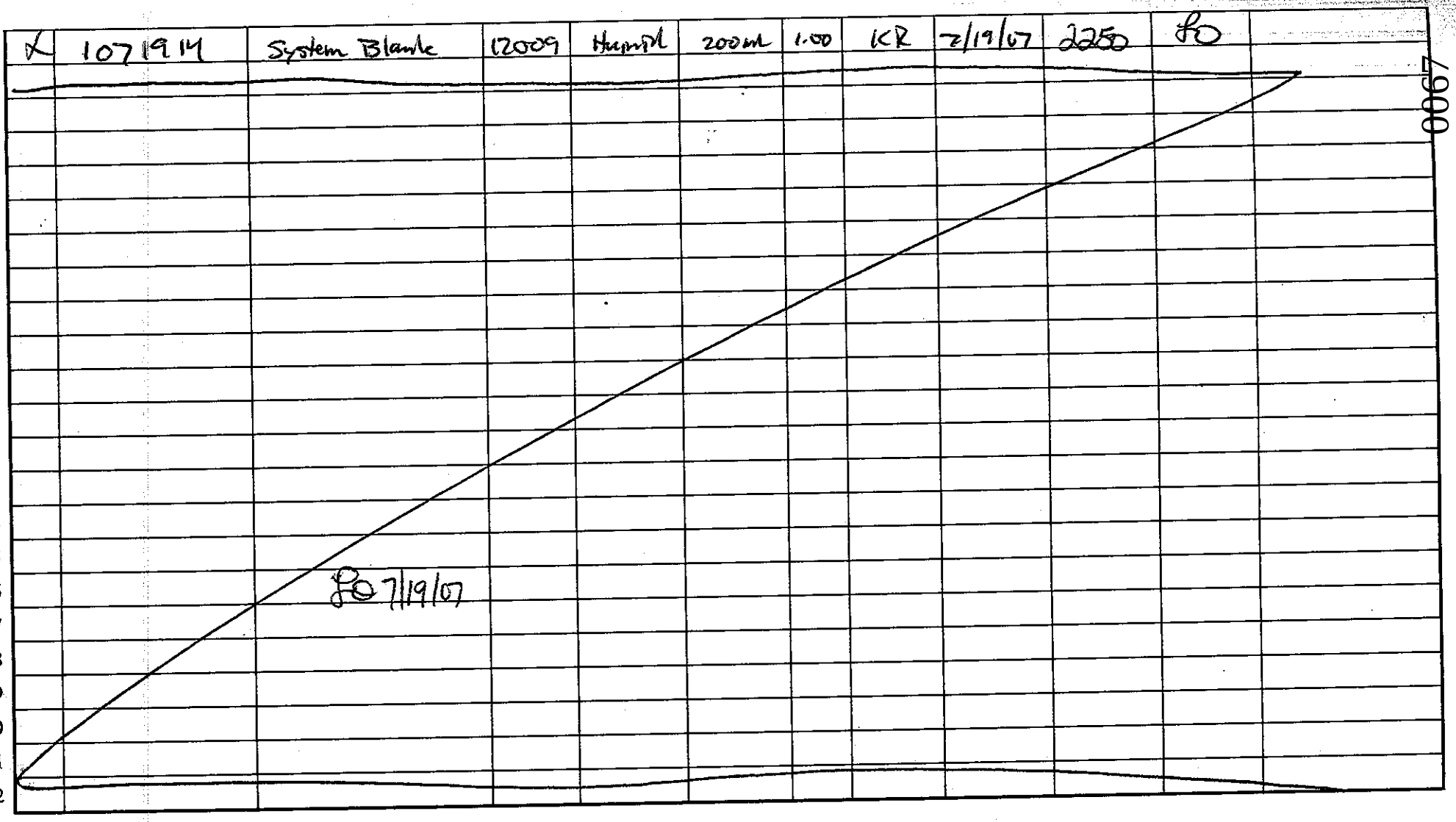
Reported Result 25.~~000~~220 CB 7/20/07

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1071905	BFB Tune Check	843-2915	50psig	2mL	1.00	CB	7/19/07	1346	CB/KR	
2	✓	06	ICAL Level 2	1443-190	200ppbv – 0.5ppbv	0.5mL		CB		1412	CB/KR	T1907190
3	✓	07	3		200ppbv – 2ppbv	2mL		CB		1455	CB/KR	
4	✓	08	4		200ppbv – 25ppbv	25mL		CB		1532	CB/KR	
5	✓	09	5		200ppbv – 50ppbv	50mL		CB		1609	KR	CCV
6	✓	10	6		200ppbv – 100ppbv	100mL		KR		1647	KR	
7	✓	11	7		200ppbv – 200ppbv	200mL		KR		1725	KR	
8	x	12	System Blank	17009	Humid	200mL		KR		1810	KR	
9	✓	13	LCS #1443-163	200ppbv →	50ppbv	50mL	↓	KR	↓	1856	KR	ICAL LCS

Signature

7/19/07
Date

0900



Comments: NIST Flow control SN # 05E27601 Exp 8/19/07 Actual: 25.5 mL/min Nominal: 23.6 mL/min

Flow Controller SN # AA04143049 OB 7/20/07

Signature

7/19/07
Date

@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.12
75	30.0 – 60.0% of mass 95	43.18
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.45
173	Less than 2.0% of mass 174	(0.79)[1]
174	Greater than 50.0% of mass 95	68.20
175	5.0 – 9.0% of mass 174	(7.11)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.62)[1]
177	5.0 – 9.0% of mass 176	(6.53)[2]

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

BFB Injection Date: 7/20/07
BFB Injection Time: 1003
BFB File ID: 1072007
Tekmar Purge Flow: 20.2 mL/min
Vacuum: 4.3×10^{-5} torr

IS/S Std.#:	1443-153	Exp. Date: 10/1/07
BCM	323241	
1,4-DFB	1228698	
CB-d5	889341	

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

Verify 176/174 m/z Ratio: 878537/909290 × 100 = 96.62 %

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1057770\ )}{(\ 1228698\ )} \times \frac{(\ 25.0\ )}{(\ 0.84064\ )} =$ 25.602

File ID:	1072002
Compound:	Toluene-d8
Initials:	CB

Reported Result 25.602

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	√	1072001	BFB Tune Check	843-2915	50ng	2mL	1.00	CB	7/20/07	1003	CB/KR	
2	√	02	CCV-1 (200 ppbv)	1443-190	50 ppbv	50mL		CB		1022	CB/KR	
3	√	03	LCS-1 (200 ppbv)	1443-163	50 ppbv	50mL		CB		1100	CB/KR	
4	√	04	Lab Blank	12009	Humid	200mL		CB		1139	CB/KR	
5	√	05	0707353 - 01A	1L Bag	Tedlar	125mL	1.60	CB		1229	CB/KR	
6	X	06	-02AA			~~55mL~~ 50mL	~~3.64~~ 3.00	CB		1344	CB/—	
7	√	07	-02A			150mL	1.33	CB		1432	KR	
8	√	08	-02AA			150mL	1.33	KR		1528	KR	
9	√	09	System Blank	12009	Humid	200mL	1.00	KR		1608	KR	

7/20/07 Date

8900

10	✓	10720.10	ICAL #22207 ~~Level 5~~ Level 3	1487341	200ppbv → 2ppbv	2.0mL	1.00	KR	7/20/07	1647	KR	SP206 T14C7196
11	✓	11	5		200ppbv → 50ppbv	50mL		KR		1724	KR	CCV
12	✓	12	7		200ppbv → 200ppbv	200mL		KR		1802	KR	
13	✓	13	Lab Blank	12009	Humid	200mL		KR		1840	KR	
14	X	14	0707336A-01A	1L Bag	NA	50mL	4.00	KR		1933	KR	
15	✓	15	-01A			200mL	1.00	KR		2035	KR	
16	✓	16	-02A			100mL	2.00	KR		2112	KR	Diluted for NT
17	✓	17	-01AA			200mL	1.00	KR		2204	KR	
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

6900

Comments:

7/21/07

Signature

7/21/07
Date

0070

@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.16
75	30.0 – 60.0% of mass 95	43.06
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.59
173	Less than 2.0% of mass 174	(0.73)[1]
174	Greater than 50.0% of mass 95	71.43
175	5.0 – 9.0% of mass 174	(7.25)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.89)[1]
177	5.0 – 9.0% of mass 176	(6.30)[2]

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

BFB Injection Date: 7/30/07
BFB Injection Time: 0809
BFB File ID: 1073001
Tekmar Purge Flow: 20.7 mL/min
Vacuum: 3.7×10^{-5} torr

IS/S Std.#:	1443-153	Exp. Date: 10/1/07
BCM	296378	
1,4-DFB	1116978	
CB-d5	808735	

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

Verify 176/174 m/z Ratio: 712783/743338 x 100 = 95.89%

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 939793\ )}{(\ 1116978\ )} \times \frac{(\ 25.0\ )}{(\ 0.84064\ )} =$ 25.022

File ID:	1073004
Compound:	toluene-d8
Initials:	CB

Reported Result 25.022

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1073001	BFB Tune Check	843-2915	50ng	2mL	1.00	CB	7/30/07	0809	CB/ [illegible]	
2	X	02	CCV-1 (200ppbv)	1443-190	50ppbv	50mL		CB		0838	CB/—	
3	✓	03	LCS-1 (200ppbv)	1443-163	50ppbv	50mL		CB		0917	CB/ [illegible]	
4	✓	04	CCV-1 (200ppbv)	1443-190	50ppbv	50mL		CB		0959	CB/ [illegible]	
5	X	05	ICAL Level 3	1487-336	200ppbv – 2ppbv	2mL		CB		1101	CB/—	IS↓ sp1sc
6	✓	06	ICAL Level 5	↓	200ppbv – 50ppbv	50mL		CB		1152	CB/ [illegible]	ccv ↓
7	✓	07	ICAL Level 7	↓	200ppbv	200mL		CB		1237	CB/ [illegible]	↓
8	✓	08	CCVsp (200ppbv)	1487-354	50ppbv	50mL		CB		1335	CB/ [illegible]	sp 20bccv
9	✓	09	System Blank	12009	Humid	200mL	↓	CB	↓	1424	CB/ [illegible]	

[signature]

7/30/07
Date

10	✓	1073010	ICAL Level 3	1487-336	200 mbar - 2 psiv	2mL	1.00	CB	7/30/07	1522	CB/ [illegible]	splice [illegible]	
11	✓	11	Lab Blank	12009	Humid	200mL	1.00	CB		1613	KR		
12	✓	12	0707343 - 01A	3740	9.5"Hg-5psi	200mL	1.96	KR		1708	KR		
13	✓	13	-02A	R-8	13.0"Hg-5psi	200mL	2.36	KR		1747	KR		
14	✓	14	-03A	33384	8.0"Hg-5psi	200mL	1.83	KR		1831	KR		
15	✓	15	-04A	35992	29.0"Hg-5psi	200mL	1.00	KR		1909	KR	trip blank	
16	X	16	0707373C-40A	34138	60"Hg-15psi	10mL	5.06	KR		1958	KR	RR 100 mL	
17	✓	17	0707343-04A	35992	29.0"Hg-5psi	200mL	1.00	KR		2037	KR	trip blank confirmation	
18	✓	~~18~~	0707373C-40A	34138	6.0"Hg-15psi	100mL	5.06	KR		2124	KR		
19	✓	19	-42A	12009	7.0"Hg-15psi	200mL	2.64	KR		2224	KB/ [illegible]		
20	✓	20	-44A	94716	6.5"Hg-15psi	200mL	2.58	KB		2332	KB/ [illegible]		
21	✓	21	-45A	34111	7.0"Hg-15psi		2.64	KB	7/31/07	0030	KB/ [illegible]		
22	✓	22	-43A	93100	3.5"Hg-15psi		2.29	KB		0124	KB/ [illegible]		
23	✓	23	-46A	1450	6.0"Hg→15psi 1.5"Hg→15psi		5.39	KB		0224	KB/ [illegible]		
24	✓	24	-41A	35684	7.5"Hg→15psi 1.5"Hg→15psi	75mL	15.30	KB		0323	KB/ [illegible]	100X	
25	X	25	-47A	2220	7.0"Hg-15psi	50mL	10.60	KB		0404	KB/ [illegible]	100X RR 2mL	
26	X	26	-47A	↓	↓	2.0mL	2.64	KB		0512	[illegible]		
27	✓	27	-47A	↓	↓	25mL	21.1	KB		0557	[illegible]	Surr ↑ matrix	
28	✓	28	-41AA	35684	1.5"Hg-15psi	75mL	15.30	[illegible]		0801	CB/ [illegible]	100X	
29													
30													
31			[illegible] 7/31/07										
32													

Comments:

[illegible]
Signature

7/31/07
Date

Air Toxics Ltd.

Modified EPA Methods TO-14A/TO-15

Internal Standard and Associated Target Compounds and Surrogates

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071913.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 19-JUL-2007 18:56
Operator : kr Inst ID: msd1.i
Smp Info : 50mL #1443-163
Misc Info : 200pbv-->50ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:06 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 17:25 Cal File: 1071911.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	313127	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	243927			28.34- 128.34	77.90
12.724	12.724 (1.000)	49	842063			188.77- 288.77	268.92
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1185856	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	181987			0.00- 65.56	15.35
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.747	19.747 (1.000)	117	872738	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	471725			3.36- 103.36	54.05
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	444855	24.2082	24.208	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	248690			2.38- 102.38	55.90
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.120	17.120 (1.181)	98	1018758	25.5486	25.548	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	118160			0.00- 61.20	11.60

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	710992			20.95- 120.95	69.79
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.106)	174	508979	25.9348	25.935	50.00- 150.00	100.00
21.848	21.848 (1.106)	95	701319			87.77- 187.77	137.79
21.848	21.848 (1.106)	176	485683			46.40- 146.40	95.42
12 Propylene					CAS #: 115-07-1		
4.733	4.761 (0.372)	41	1059308	53.1214	53.121	50.00- 150.00	100.00
4.733	4.761 (0.372)	42	720833			20.07- 120.07	68.05
4.761	4.761 (0.374)	39	810445			29.57- 129.57	76.51
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	3067861	53.5508	53.551	50.00- 150.00	100.00
4.872	4.872 (0.383)	87	990968			0.00- 82.03	32.30
18 Freon 114					CAS #: 76-14-2		
5.176	5.231 (0.407)	135	2296613	55.4255	55.425	50.00- 150.00	100.00
5.176	5.231 (0.407)	137	722438			0.00- 81.80	31.46
19 Chloromethane					CAS #: 74-87-3		
5.425	5.480 (0.426)	50	1373189	53.2678	53.268	50.00- 150.00	100.00
5.425	5.480 (0.426)	52	442736			0.00- 82.28	32.24
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	1407859	54.8924	54.892	50.00- 150.00	100.00
5.784	5.784 (0.455)	64	423852			0.00- 81.90	30.11
23 1,3-Butadiene					CAS #: 106-99-0		
5.784	5.839 (0.455)	54	1133551	56.2241	56.224	50.00- 150.00	100.00
5.784	5.839 (0.455)	39	1109091			52.87- 152.87	97.84
27 Bromomethane					CAS #: 74-83-9		
6.752	6.752 (0.531)	94	1160867	53.9087	53.909	50.00- 150.00	100.00
6.752	6.752 (0.531)	96	1065877			45.78- 145.78	91.82
30 Chloroethane					CAS #: 75-00-3		
7.028	7.056 (0.552)	64	654847	48.9414	48.941	50.00- 150.00	100.00
7.028	7.056 (0.552)	49	225670			0.00- 81.78	34.46
7.028	7.056 (0.552)	66	196211			0.00- 80.60	29.96
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.554	7.581 (0.594)	101	3209270	54.3377	54.338	50.00- 150.00	100.00
7.554	7.581 (0.594)	103	2063150			14.41- 114.41	64.29

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.024	8.079 (0.631)	45	460913	51.1688	51.169	50.00- 150.00	100.00
8.024	8.079 (0.631)	43	95894			0.00- 71.52	20.81
8.024	8.079 (0.631)	46	172638			0.00- 85.28	37.46
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	1818168	56.4872	56.487	50.00- 150.00	100.00
8.743	8.743 (0.687)	153	1157477			16.35- 116.35	63.66
8.743	8.743 (0.687)	101	2296131			82.21- 182.21	126.29
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.825	8.853 (0.694)	61	2227010	54.8185	54.818	50.00- 150.00	100.00
8.825	8.853 (0.694)	96	1212997			5.91- 105.91	54.47
8.825	8.853 (0.694)	98	766961			0.00- 85.20	34.44
46 Acetone					CAS #: 67-64-1		
8.991	9.019 (0.707)	58	653518	52.3342	52.334	50.00- 150.00	100.00
8.991	9.019 (0.707)	43	2147596			283.38- 383.38	328.62
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	2445352	53.8924	53.892	50.00- 150.00	100.00
9.185	9.185 (0.722)	43	584706			0.00- 76.43	23.91
9.185	9.185 (0.722)	59	88472			0.00- 53.87	3.62
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	3850903	51.4948	51.495	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.655 (0.757)	76	562474	55.4151	55.415	50.00- 150.00	100.00
9.627	9.655 (0.757)	41	1889189			286.52- 386.52	335.87
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.959 (0.781)	49	1754349	49.9336	49.934	50.00- 150.00	100.00
9.931	9.959 (0.781)	84	1067861			10.62- 110.62	60.87
9.931	9.959 (0.781)	51	522342			0.00- 81.60	29.77
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	1103305	51.9707	51.971	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	285447			0.00- 75.73	25.87
10.291	10.291 (0.809)	41	295494			0.00- 86.67	26.78
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	1371310	50.8006	50.800	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	2211608			93.92- 193.92	161.28
10.374	10.374 (0.815)	98	875194			6.76- 106.76	63.82

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	2306660	55.9915	55.991	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	1468200			16.68- 116.68	63.65
10.733	10.733 (0.844)	86	268738			0.00- 62.42	11.65
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	276853	55.6655	55.666	50.00- 150.00	100.00
11.203	11.203 (0.880)	43	4000819			1389.07-1489.07	1445.11
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.203	11.231 (0.880)	63	2612279	56.4179	56.418	50.00- 150.00	100.00
11.203	11.231 (0.880)	65	775575			0.00- 80.26	29.69
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	565593	57.8246	57.825	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	2891297			479.66- 579.66	511.20
12.254	12.254 (0.963)	57	209098			0.00- 90.73	36.97
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.254	12.282 (0.963)	61	1921300	56.2521	56.252	50.00- 150.00	100.00
12.254	12.282 (0.963)	96	1331461			22.86- 122.86	69.30
12.254	12.282 (0.963)	98	823716			0.00- 94.79	42.87
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	1558666	50.0029	50.003	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	529524			0.00- 83.34	33.97
12.724	12.724 (1.000)	72	557027			0.00- 86.73	35.74
81 Chloroform					CAS #: 67-66-3		
12.779	12.807 (1.004)	83	2410821	55.4857	55.486	50.00- 150.00	100.00
12.779	12.807 (1.004)	85	1559842			16.81- 116.81	64.70
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2248366	55.9471	55.947	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	1443797			12.50- 112.50	64.22
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	1434329	54.9587	54.959	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	2109712			88.72- 188.72	147.09
13.139	13.139 (1.033)	41	1232580			34.18- 134.18	85.93
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2212256	56.3426	56.342	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	2295302			54.12- 154.12	103.75
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	5528993	57.2016	57.202	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	1880241			0.00- 85.50	34.01
13.747	13.747 (0.948)	41	1519792			0.00- 80.63	27.49
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3372960	54.7093	54.709	50.00- 150.00	100.00
13.830	13.830 (0.954)	77	742071			0.00- 72.08	22.00
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	1765507	55.7855	55.785	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	549878			0.00- 82.48	31.15
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	968505	56.3822	56.382	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	2193889			177.03- 277.03	226.52
14.051	14.051 (0.969)	57	1156508			75.17- 175.17	119.41
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1358332	54.4225	54.422	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	1324877			45.71- 145.71	97.54
14.964	14.964 (1.032)	97	875913			13.66- 113.66	64.48
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1215816	56.2348	56.235	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	911588			25.77- 125.77	74.98
15.461	15.461 (1.067)	41	853003			32.66- 132.66	70.16
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	649956	51.4383	51.438	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	487064			24.57- 124.57	74.94
15.600	15.600 (1.076)	57	180759			0.00- 76.47	27.81
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2288373	56.0413	56.041	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	1442828			13.23- 113.23	63.05
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1722337	56.0383	56.038	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	535707			0.00- 80.86	31.10
16.706	16.706 (1.153)	39	1203130			23.02- 123.02	69.85
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	949903	58.0929	58.093	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	2579777			230.65- 330.65	271.58
16.899	16.899 (1.166)	85	330419			0.00- 84.93	34.78

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	3274190	54.9997	55.000	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	2053020			12.16- 112.16	62.70
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.896)	75	1738187	54.5180	54.518	50.00- 150.00	100.00
17.701	17.701 (0.896)	77	550900			0.00- 81.93	31.69
17.701	17.701 (0.896)	39	1150979			21.47- 121.47	66.22
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.913)	97	1240022	52.2605	52.260	50.00- 150.00	100.00
18.033	18.033 (0.913)	99	769837			12.93- 112.93	62.08
18.033	18.033 (0.913)	83	1025432			32.93- 132.93	82.69
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.922)	166	1530611	53.9706	53.970	50.00- 150.00	100.00
18.199	18.199 (0.922)	129	1145780			28.65- 128.65	74.86
18.199	18.199 (0.922)	131	1164984			25.09- 125.09	76.11
120 2-Hexanone					CAS #: 591-78-6		
18.365	18.365 (0.930)	58	1299758	51.1608	51.161	50.00- 150.00	100.00
18.365	18.365 (0.930)	43	2491596			142.31- 242.31	191.70
18.392	18.365 (0.931)	100	197065			0.00- 64.94	15.16
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.950)	129	2076550	54.2451	54.245	50.00- 150.00	100.00
18.724	18.752 (0.948)	127	1630917			29.07- 129.07	78.54
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.001 (0.962)	107	1931910	53.9232	53.923	50.00- 150.00	100.00
19.000	19.001 (0.962)	109	1802233			45.30- 145.30	93.29
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.003)	112	2626780	52.7660	52.766	50.00- 150.00	100.00
19.802	19.802 (1.003)	114	860929			0.00- 83.60	32.78
19.802	19.802 (1.003)	77	1490619			16.68- 116.68	56.75
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.008)	106	1337126	54.3613	54.361	50.00- 150.00	100.00
19.913	19.913 (1.008)	91	4124634			272.96- 372.96	308.47
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.107 (1.018)	106	1702807	53.1907	53.191	50.00- 150.00	100.00
20.106	20.107 (1.018)	91	3312112			145.09- 245.09	194.51
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.056)	106	1596183	53.9563	53.956	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.056)	91	3160224			155.45- 255.45	197.99
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.057)	104	2779978	56.3969	56.397	50.00- 150.00	100.00
20.881	20.881 (1.057)	78	1317518			2.44- 102.44	47.39
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.078)	173	1824291	56.1522	56.152	50.00- 150.00	100.00
21.295	21.295 (1.078)	171	952211			3.77- 103.77	52.20
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.087)	105	4274767	52.9566	52.956	50.00- 150.00	100.00
21.461	21.461 (1.087)	120	1096580			0.00- 76.25	25.65
21.461	21.461 (1.087)	51	477017			0.00- 61.71	11.16
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.118)	83	2566593	52.0212	52.021	50.00- 150.00	100.00
22.070	22.070 (1.118)	85	1640415			16.84- 116.84	63.91
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.125)	91	5672464	52.6676	52.668	50.00- 150.00	100.00
22.208	22.208 (1.125)	120	1290004			0.00- 72.87	22.74
22.208	22.208 (1.125)	105	214837			0.00- 54.06	3.79
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.134)	105	5041888	52.2020	52.202	50.00- 150.00	100.00
22.401	22.401 (1.134)	120	1524576			0.00- 81.10	30.24
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.140)	105	3793885	50.1267	50.127	50.00- 150.00	100.00
22.512	22.512 (1.140)	120	1883386			0.20- 100.20	49.64
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.175)	105	3960334	50.8924	50.892	50.00- 150.00	100.00
23.203	23.203 (1.175)	120	1810192			0.00- 95.80	45.71
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.812 (1.206)	146	2994377	50.3845	50.384	50.00- 150.00	100.00
23.811	23.812 (1.206)	148	1898589			13.32- 113.32	63.41
23.811	23.812 (1.206)	111	1170780			0.00- 88.08	39.10
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.214)	146	3074414	51.2702	51.270	50.00- 150.00	100.00
23.977	23.977 (1.214)	148	1952979			15.11- 115.11	63.52
23.977	23.977 (1.214)	111	1158217			0.00- 88.43	37.67

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.225)	91	4255140	52.5476	52.548	50.00- 150.00	100.00
24.199	24.199 (1.225)	126	868785			0.00- 70.95	20.42
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.249)	146	2769944	49.0960	49.096	50.00- 150.00	100.00
24.669	24.669 (1.249)	148	1764076			12.04- 112.04	63.69
24.669	24.669 (1.249)	111	1135547			0.00- 90.23	41.00
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.403)	180	1401055	45.2650	45.265	50.00- 150.00	100.00
27.710	27.710 (1.403)	182	1322364			44.76- 144.76	94.38
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.413)	225	1134946	47.0716	47.072	50.00- 150.00	100.00
27.904	27.904 (1.413)	223	731755			13.63- 113.63	64.47
29 Isopentane					CAS #: 78-78-4		
7.028	7.056 (0.552)	43	1661547	52.7951	52.795	50.00- 150.00	100.00
7.028	7.056 (0.552)	57	1144230			17.21- 117.21	68.87
20 Butane					CAS #: 106-97-8		
5.646	5.674 (0.444)	58	226425	51.1309	51.131	50.00- 150.00	100.00
5.646	5.674 (0.444)	43	2040809			812.73- 912.73	901.32
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1598742	57.2035	57.204	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	679357			0.00- 95.69	42.49
15.240	15.240 (1.052)	55	1636325			54.52- 154.52	102.35
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.433)	128	3234630	45.3633	45.363	50.00- 150.00	100.00
28.291	28.291 (1.433)	127	404246			0.00- 65.84	12.50

Report Date: 23-Jul-2007 11:09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071913.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200pbv-->50ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	313127	-5.39
96 1,4-Difluorobenze	1232867	739720	1726014	1185856	-3.81
125 Chlorobenzene-d5	895361	537217	1253505	872738	-2.53

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.75	-0.14

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-Jul-2007 11:09

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-19jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: kr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200pbv-->50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
15 Dichlorodifluorome	50.000	53.551	107.10	70-130
18 Freon 114	50.000	55.425	110.85	70-130
19 Chloromethane	50.000	53.268	106.54	70-130
22 Vinyl Chloride	50.000	54.892	109.78	70-130
23 1,3-Butadiene	50.000	56.224	112.45	60-140
27 Bromomethane	50.000	53.909	107.82	70-130
30 Chloroethane	50.000	48.941	97.88	70-130
32 Trichlorofluoromet	50.000	54.338	108.68	70-130
39 Ethanol	50.000	51.169	102.34	60-140
44 Freon 113	50.000	56.487	112.97	70-130
45 1,1-Dichloroethene	50.000	54.818	109.64	70-130
46 Acetone	50.000	52.334	104.67	60-140
49 Carbon Disulfide	50.000	51.495	102.99	60-140
47 2-Propanol	50.000	53.892	107.78	60-140
56 Methylene Chloride	50.000	49.934	99.87	70-130
60 MTBE	50.000	51.971	103.94	60-140
61 trans-1,2-Dichloro	50.000	50.800	101.60	60-140
65 Hexane	50.000	55.991	111.98	60-140
70 1,1-Dichloroethane	50.000	56.418	112.84	70-130
77 cis-1,2-Dichloroet	50.000	56.252	112.50	70-130
75 2-Butanone	50.000	57.825	115.65	60-140
79 Tetrahydrofuran	50.000	50.003	100.01	60-140
81 Chloroform	50.000	55.486	110.97	70-130
84 Cyclohexane	50.000	54.959	109.92	60-140
83 1,1,1-Trichloroeth	50.000	55.947	111.89	70-130
86 Carbon Tetrachlori	50.000	56.342	112.69	70-130
91 Benzene	50.000	54.709	109.42	70-130
93 1,2-Dichloroethane	50.000	55.785	111.57	70-130
94 Heptane	50.000	56.382	112.76	60-140
100 Trichloroethene	50.000	54.422	108.85	70-130
104 1,2-Dichloropropan	50.000	56.235	112.47	70-130
106 1,4-Dioxane	50.000	51.438	102.88	60-140
108 Bromodichlorometha	50.000	56.041	112.08	60-140

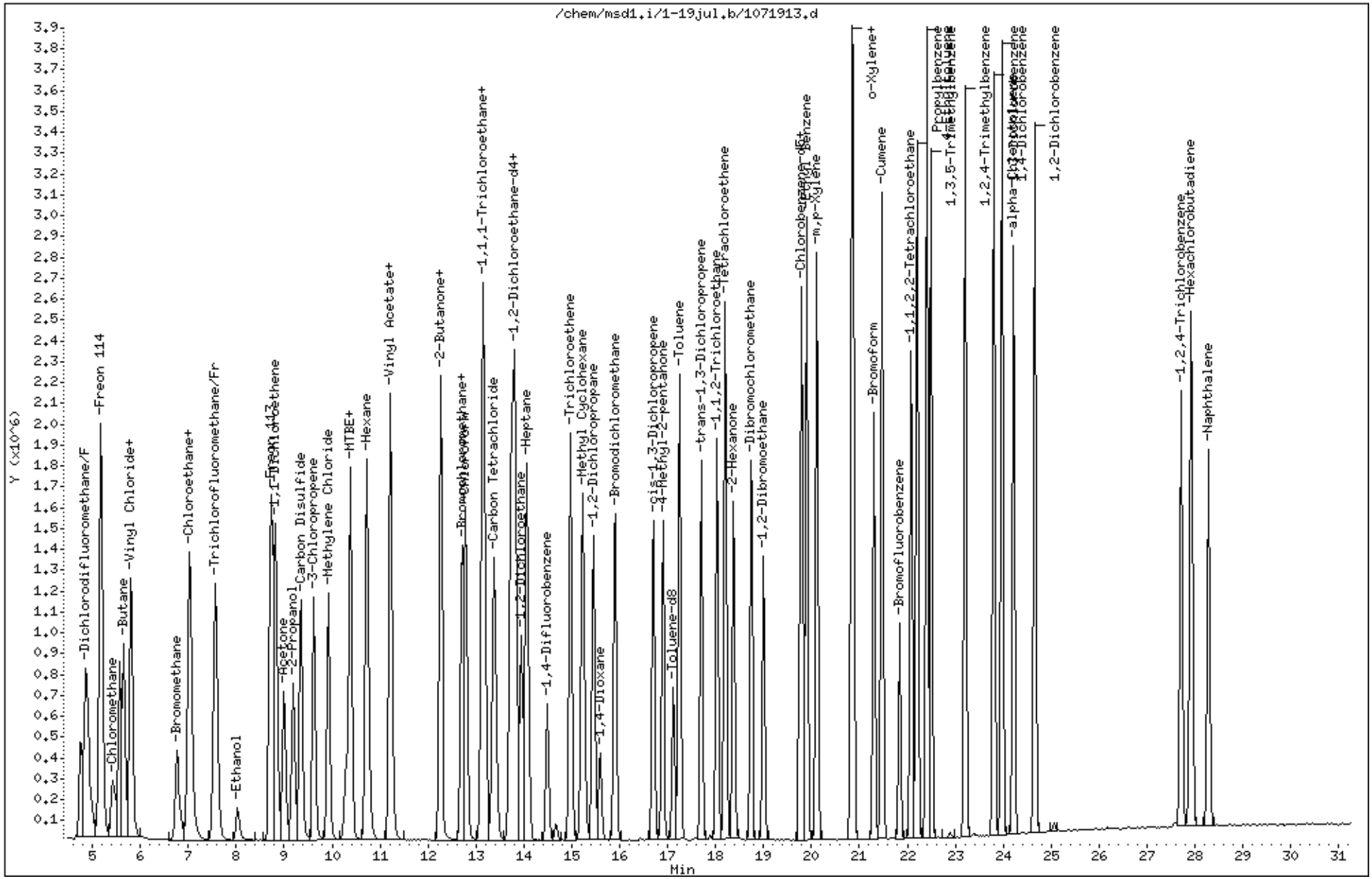
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
111 cis-1,3-Dichloropr	50.000	56.038	112.08	70-130
112 4-Methyl-2-pentano	50.000	58.093	116.19	60-140
115 Toluene	50.000	55.000	110.00	70-130
116 trans-1,3-Dichloro	50.000	54.518	109.04	70-130
118 1,1,2-Trichloroeth	50.000	52.260	104.52	70-130
119 Tetrachloroethene	50.000	53.970	107.94	70-130
120 2-Hexanone	50.000	51.161	102.32	60-140
123 Dibromochlorometha	50.000	54.245	108.49	60-140
124 1,2-Dibromoethane	50.000	53.923	107.85	70-130
126 Chlorobenzene	50.000	52.766	105.53	70-130
128 Ethyl Benzene	50.000	54.361	108.72	70-130
130 m,p-Xylene	50.000	53.191	106.38	70-130
131 o-Xylene	50.000	53.956	107.91	70-130
132 Styrene	50.000	56.397	112.79	70-130
133 Bromoform	50.000	56.152	112.30	60-140
138 1,1,2,2-Tetrachlor	50.000	52.021	104.04	70-130
144 4-Ethyltoluene	50.000	52.202	104.40	60-140
146 1,3,5-Trimethylben	50.000	50.127	100.25	70-130
150 1,2,4-Trimethylben	50.000	50.892	101.78	70-130
156 1,3-Dichlorobenzen	50.000	50.384	100.77	70-130
157 1,4-Dichlorobenzen	50.000	51.270	102.54	70-130
159 alpha-Chlorotoluen	50.000	52.548	105.10	70-130
162 1,2-Dichlorobenzen	50.000	49.096	98.19	70-130
167 1,2,4-Trichloroben	50.000	45.265	90.53	70-130
168 Hexachlorobutadien	50.000	47.072	94.14	70-130
139 Propylbenzene	50.000	52.668	105.34	60-140
135 Cumene	50.000	52.956	105.91	60-140
51 3-Chloropropene	50.000	55.415	110.83	60-140
89 2,2,4-Trimethylpen	50.000	57.202	114.40	60-140
29 Isopentane	50.000	52.795	105.59	70-130
20 Butane	50.000	51.131	102.26	70-130
102 Methyl Cyclohexane	50.000	57.204	114.41	70-130
12 Propylene	50.000	53.121	106.24	60-140
169 Naphthalene	50.000	45.363	90.73	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.208	96.83	70-130
$ 113 Toluene-d8	25.000	25.548	102.19	70-130
$ 137 Bromofluorobenzene	25.000	25.935	103.74	70-130

Data File: /chem/msd1.i/1-19jul.b/1071913.d
Date : 19-JUL-2007 18:56
Client ID: LCS-1
Sample Info: 50mL #1443-163

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071906.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 19-JUL-2007 14:12
Operator : cb Inst ID: msd1.i
Smp Info : 0.5mL #1443-190
Misc Info : 200ppbv --> 0.5ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:03 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 14:12 Cal File: 1071906.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	323986	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	258337			29.74- 129.74	79.74
12.724	12.724 (1.000)	49	574617			127.36- 227.36	177.36
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	1216552	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	195410			0.00- 66.06	16.06
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	827549	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	437611			2.88- 102.88	52.88
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	459698	25.0000	25.000	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	215782			0.00- 96.94	46.94
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.148	17.148 (1.183)	98	986730	25.0000	25.000	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	111317			0.00- 61.28	11.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	707561			21.71- 121.71	71.71
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	453416	25.0000	25.000	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	608411			84.18- 184.18	134.18
21.848	21.848 (1.105)	176	435178			45.98- 145.98	95.98
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	27201	0.50000	0.5000	50.00- 150.00	100.00
4.872	4.872 (0.383)	87	8339			0.00- 80.66	30.66
18 Freon 114					CAS #: 76-14-2		
5.203	5.203 (0.409)	135	17801	0.50000	0.5000	50.00- 150.00	100.00
5.203	5.203 (0.409)	137	5711			0.00- 82.08	32.08
22 Vinyl Chloride					CAS #: 75-01-4		
5.812	5.812 (0.457)	62	10524	0.50000	0.5000	50.00- 150.00	100.00
5.784	5.784 (0.455)	64	3909			0.00- 87.14	37.14
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	7607	0.50000	0.5000	50.00- 150.00	100.00
5.812	5.812 (0.457)	39	9312			72.41- 172.41	122.41
27 Bromomethane					CAS #: 74-83-9		
6.807	6.807 (0.535)	94	9371	0.50000	0.5000	50.00- 150.00	100.00
6.779	6.779 (0.533)	96	9052			46.60- 146.60	96.60
30 Chloroethane					CAS #: 75-00-3		
7.056	7.056 (0.555)	64	8792	0.50000	0.5000	50.00- 150.00	100.00
0.000	1.000 (0.000)	49	0			0.00- 50.00	0.00
0.000	1.000 (0.000)	66	0			0.00- 50.00	0.00
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	23746	0.50000	0.5000	50.00- 150.00	100.00
7.581	7.581 (0.596)	103	15251			14.23- 114.23	64.23
44 Freon 113					CAS #: 76-13-1		
8.742	8.742 (0.687)	151	12996	0.50000	0.5000	50.00- 150.00	100.00
8.742	8.742 (0.687)	153	8865			18.21- 118.21	68.21
8.742	8.742 (0.687)	101	16878			79.87- 179.87	129.87
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	18353	0.50000	0.5000	50.00- 150.00	100.00
8.853	8.853 (0.696)	96	10134			5.22- 105.22	55.22
8.853	8.853 (0.696)	98	6236			0.00- 83.98	33.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	36786	0.50000	0.5000	50.00- 150.00	100.00
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	21349	0.50000	0.5000	50.00- 150.00	100.00
9.931	9.931 (0.781)	84	11474			3.74- 103.74	53.74
9.931	9.931 (0.781)	51	6794			0.00- 81.82	31.82
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	12140	0.50000	0.5000	50.00- 150.00	100.00
10.319	10.319 (0.811)	57	2845			0.00- 73.43	23.43
10.319	10.319 (0.811)	41	7755			13.88- 113.88	63.88
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	14220	0.50000	0.5000	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	15957			62.22- 162.22	112.22
10.374	10.374 (0.815)	98	5844			0.00- 91.10	41.10
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	16003	0.50000	0.5000	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	13080			31.73- 131.73	81.73
10.733	10.733 (0.844)	86	2013			0.00- 62.58	12.58
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	18695	0.50000	0.5000	50.00- 150.00	100.00
11.231	11.231 (0.883)	65	5182			0.00- 77.72	27.72
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	2934	0.50000	0.5000	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	18435			578.32- 678.32	628.32
12.282	12.282 (0.965)	57	1712			8.35- 108.35	58.35
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	12115	0.50000	0.5000	50.00- 150.00	100.00
12.254	12.254 (0.963)	96	10000			32.54- 132.54	82.54
12.254	12.254 (0.963)	98	5682			0.00- 96.90	46.90
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	17238	0.50000	0.5000	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	4998			0.00- 78.99	28.99
12.724	12.724 (1.000)	72	6000			0.00- 84.81	34.81
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	16707	0.50000	0.5000	50.00- 150.00	100.00
12.779	12.779 (1.004)	85	11966			21.62- 121.62	71.62

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane						CAS #: 71-55-6	
13.139	13.139 (1.033)	97	14746	0.50000	0.5000	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	9168			12.17- 112.17	62.17
84 Cyclohexane						CAS #: 110-82-7	
13.166	13.166 (1.035)	84	11545	0.50000	0.5000	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	14063			71.81- 171.81	121.81
13.139	13.139 (1.033)	41	9800			34.89- 134.89	84.89
86 Carbon Tetrachloride						CAS #: 56-23-5	
13.388	13.388 (1.052)	119	14831	0.50000	0.5000	50.00- 150.00	100.00
13.415	13.415 (1.054)	117	15470			54.31- 154.31	104.31
91 Benzene						CAS #: 71-43-2	
13.802	13.802 (0.952)	78	25389	0.50000	0.5000	50.00- 150.00	100.00
13.830	13.830 (0.954)	77	6047			0.00- 73.82	23.82
89 2,2,4-Trimethylpentane						CAS #: 540-84-1	
13.719	13.719 (0.947)	57	35685	0.50000	0.5000	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	13872			0.00- 88.87	38.87
13.747	13.747 (0.948)	41	14566			0.00- 90.82	40.82
93 1,2-Dichloroethane						CAS #: 107-06-2	
13.941	13.941 (0.962)	62	12498	0.50000	0.5000	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	4779			0.00- 88.24	38.24
94 Heptane						CAS #: 142-82-5	
14.051	14.051 (0.969)	71	7166	0.50000	0.5000	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	15746			169.73- 269.73	219.73
14.051	14.051 (0.969)	57	8541			69.19- 169.19	119.19
100 Trichloroethene						CAS #: 79-01-6	
14.964	14.964 (1.032)	95	10304	0.50000	0.5000	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	10179			48.79- 148.79	98.79
14.964	14.964 (1.032)	97	6236			10.52- 110.52	60.52
104 1,2-Dichloropropane						CAS #: 78-87-5	
15.461	15.461 (1.067)	63	7843	0.50000	0.5000	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	6335			30.77- 130.77	80.77
15.461	15.461 (1.067)	41	9706			73.75- 173.75	123.75
108 Bromodichloromethane						CAS #: 75-27-4	
15.904	15.904 (1.097)	83	16009	0.50000	0.5000	50.00- 150.00	100.00
15.876	15.876 (1.095)	85	9739			10.83- 110.83	60.83
111 cis-1,3-Dichloropropene						CAS #: 10061-01-5	
16.706	16.706 (1.153)	75	11549	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
111 cis-1,3-Dichloropropene (continued)							
16.706	16.706 (1.153)	77	3293			0.00- 78.51	28.51
16.706	16.706 (1.153)	39	9837			35.18- 135.18	85.18
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	4461	0.50000	0.5000	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	14312			270.82- 370.82	320.82
16.871	16.871 (1.164)	85	1305			0.00- 79.25	29.25
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	23577	0.50000	0.5000	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	15161			14.30- 114.30	64.30
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	11458	0.50000	0.5000	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	3434			0.00- 79.97	29.97
17.701	17.701 (0.895)	39	9940			36.75- 136.75	86.75
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.060	18.060 (0.913)	97	8985	0.50000	0.5000	50.00- 150.00	100.00
18.033	18.033 (0.912)	99	5743			13.92- 113.92	63.92
18.033	18.033 (0.912)	83	7697			35.66- 135.66	85.66
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.920)	166	10400	0.50000	0.5000	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	9153			38.01- 138.01	88.01
18.199	18.199 (0.920)	131	7617			23.24- 123.24	73.24
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	13622	0.50000	0.5000	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	11881			37.22- 137.22	87.22
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.961)	107	12854	0.50000	0.5000	50.00- 150.00	100.00
19.000	19.000 (0.961)	109	12966			50.87- 150.87	100.87
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	19358	0.50000	0.5000	50.00- 150.00	100.00
19.802	19.802 (1.001)	114	7824			0.00- 90.42	40.42
19.802	19.802 (1.001)	77	19277			49.58- 149.58	99.58
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	9330	0.50000	0.5000	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	33890			313.24- 413.24	363.24
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.017)	106	12369	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
20.106	20.106 (1.017)	91	25568			156.71- 256.71	206.71
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	11870	0.50000	0.5000	50.00- 150.00	100.00
20.853	20.853 (1.055)	91	26197			170.70- 270.70	220.70
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	17507	0.50000	0.5000	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	11619			16.37- 116.37	66.37
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	9778	0.50000	0.5000	50.00- 150.00	100.00
21.295	21.295 (1.077)	171	5733			8.63- 108.63	58.63
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	33364	0.50000	0.5000	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	8799			0.00- 76.37	26.37
21.461	21.461 (1.085)	51	4165			0.00- 62.48	12.48
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	18632	0.50000	0.5000	50.00- 150.00	100.00
22.070	22.070 (1.116)	85	14614			28.43- 128.43	78.43
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	42178	0.50000	0.5000	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	10556			0.00- 75.03	25.03
22.208	22.208 (1.123)	105	1711			0.00- 54.06	4.06
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	37835	0.50000	0.5000	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	14182			0.00- 87.48	37.48
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	35172	0.50000	0.5000	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	17319			0.00- 99.24	49.24
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	35952	0.50000	0.5000	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	15787			0.00- 93.91	43.91
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	26008	0.50000	0.5000	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	16404			13.07- 113.07	63.07
23.811	23.811 (1.204)	111	8988			0.00- 84.56	34.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	24263	0.50000	0.5000	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	17504			22.14- 122.14	72.14
23.977	23.977 (1.213)	111	10759			0.00- 94.34	44.34
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	30517	0.50000	0.5000	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	6894			0.00- 72.59	22.59
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	27278	0.50000	0.5000	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	15342			6.24- 106.24	56.24
24.669	24.669 (1.247)	111	11359			0.00- 91.64	41.64
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	10682	0.50000	0.5000	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	5930			5.51- 105.51	55.51
15.240	15.240 (1.052)	55	12608			68.03- 168.03	118.03
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	28183	0.50000	0.5000	50.00- 150.00	100.00(a)
28.291	28.291 (1.431)	127	7279			0.00- 75.83	25.83

QC Flag Legend

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

Report Date: 23-Jul-2007 11:03

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071906.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv --> 0.5ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	323986	-2.11
96 1,4-Difluorobenze	1232867	739720	1726014	1216552	-1.32
125 Chlorobenzene-d5	895361	537217	1253505	827549	-7.57

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

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

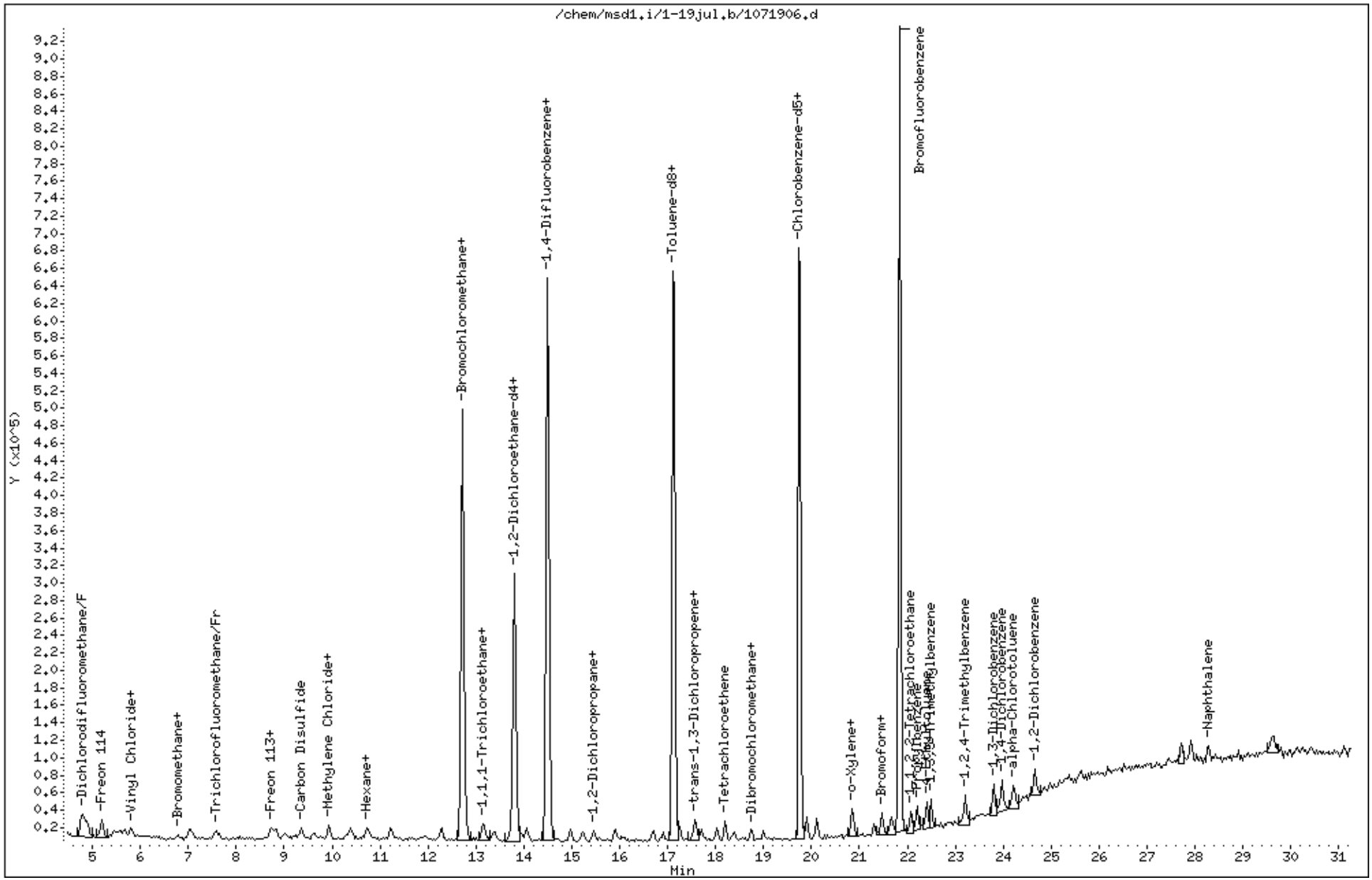
0093

Data File: /chem/msd1.i/1-19jul.b/1071906.d
Date : 19-JUL-2007 14:12
Client ID: Level 2
Sample Info: 0.5mL #1443-190

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073010.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 30-JUL-2007 15:22
Operator : cb Inst ID: msd1.i
Smp Info : 2mL #1487-336
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 11:24 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.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	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	290915	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	226043			28.67- 128.67	77.70
12.724	12.724 (1.000)	49	509800			173.00- 273.00	175.24
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1034932	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	154588			0.00- 65.31	14.94
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	690681	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	375425			3.17- 103.17	54.36
76 2,2-Dichloropropane					CAS #: 594-20-7		
12.226	12.226 (0.961)	77	22665	2.00000	1.695	50.00- 150.00	100.00(a)
12.254	12.254 (0.963)	79	7772			0.00- 82.81	34.29
12.226	12.226 (0.961)	97	3223			0.00- 66.97	14.22
87 1,1-Dichloropropene					CAS #: 563-58-6		
13.415	13.415 (0.926)	110	16223	2.00000	1.860	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
87 1,1-Dichloropropene (continued)							
13.415	13.415 (0.926)	75	41101			209.38- 309.38	253.35
121 1,3-Dichloropropane					CAS #: 142-28-9		
18.364	18.364 (1.267)	76	39930	2.00000	1.820	50.00- 150.00	100.00(a)
18.364	18.364 (1.267)	41	33365			36.96- 136.96	83.56
18.364	18.364 (1.267)	78	11968			0.00- 80.88	29.97
129 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
19.941	19.941 (1.008)	131	29427	2.00000	1.923	50.00- 150.00	100.00(a)
19.941	19.941 (1.008)	117	22247			21.89- 121.89	75.60
19.941	19.941 (1.008)	95	12120			0.00- 88.89	41.19
140 Bromobenzene					CAS #: 108-86-1		
22.152	22.152 (1.120)	156	36239	2.00000	1.998	50.00- 150.00	100.00(a)
22.152	22.152 (1.120)	158	37670			49.93- 149.93	103.95
22.152	22.152 (1.120)	77	78998			157.76- 257.76	217.99
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
22.208	22.208 (1.123)	110	19372	2.00000	2.132	50.00- 150.00	100.00
22.208	22.208 (1.123)	75	52505			233.42- 333.42	271.04
22.208	22.208 (1.123)	61	16088			33.04- 133.04	83.05
145 2-Chlorotoluene					CAS #: 95-49-8		
22.457	22.457 (1.136)	126	29579	2.00000	2.006	50.00- 150.00	100.00
22.457	22.457 (1.136)	91	87517			245.40- 345.40	295.88
22.457	22.457 (1.136)	65	8635			0.00- 78.87	29.19
147 4-Chlorotoluene					CAS #: 106-43-4		
22.650	22.650 (1.145)	126	25382	2.00000	1.890	50.00- 150.00	100.00(a)
22.650	22.650 (1.145)	91	85187			271.10- 371.10	335.62
22.650	22.650 (1.145)	63	9929			0.00- 90.05	39.12
149 tert-Butylbenzene					CAS #: 98-06-6		
23.093	23.093 (1.168)	119	103277	2.00000	2.210	50.00- 150.00	100.00
23.093	23.093 (1.168)	134	22979			0.00- 73.24	22.25
23.093	23.093 (1.168)	91	72440			18.37- 118.37	70.14
151 Pentachloroethane					CAS #: 76-01-7		
23.231	23.231 (1.175)	167	29427	2.00000	2.076	50.00- 150.00	100.00
23.231	23.231 (1.175)	117	32335			59.43- 159.43	109.88
23.231	23.231 (1.175)	169	12809			0.00- 95.63	43.53
152 sec-Butylbenzene					CAS #: 135-98-8		
23.480	23.480 (1.187)	105	136202	2.00000	2.104	50.00- 150.00	100.00
23.480	23.480 (1.187)	134	25311			0.00- 68.60	18.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene (continued)							
23.480	23.480 (1.187)	91	23257			0.00- 66.10	17.08
155 p-Cymene					CAS #: 99-87-6		
23.728	23.728 (1.200)	119	108812	2.00000	1.992	50.00- 150.00	100.00(a)
23.728	23.728 (1.200)	134	30286			0.00- 77.53	27.83
23.728	23.728 (1.200)	91	29865			0.00- 75.40	27.45
158 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
23.977	23.977 (1.213)	120	38888	2.00000	2.058	50.00- 150.00	100.00
23.977	23.977 (1.213)	105	82862			169.83- 269.83	213.08
23.977	23.977 (1.213)	77	12325			0.00- 80.01	31.69
161 Butylbenzene					CAS #: 104-51-8		
24.475	24.475 (1.238)	134	27405	2.00000	2.023	50.00- 150.00	100.00
24.447	24.447 (1.236)	91	102972			334.06- 434.06	375.74
24.447	24.447 (1.236)	92	54539			158.51- 258.51	199.01
164 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
26.134	26.134 (1.322)	157	23352	2.00000	1.808	50.00- 150.00	100.00(a)
26.106	26.106 (1.320)	75	23756			47.24- 147.24	101.73
26.134	26.134 (1.322)	155	18371			28.42- 128.42	78.67

QC Flag Legend

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

Report Date: 31-Jul-2007 11:24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073010.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 30-JUL-2007
Calibration Time: 11:52
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	276120	165672	386568	290915	5.36
96 1,4-Difluorobenze	1023652	614191	1433113	1034932	1.10
125 Chlorobenzene-d5	778721	467233	1090209	690681	-11.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.75	19.42	20.08	19.77	0.14

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.

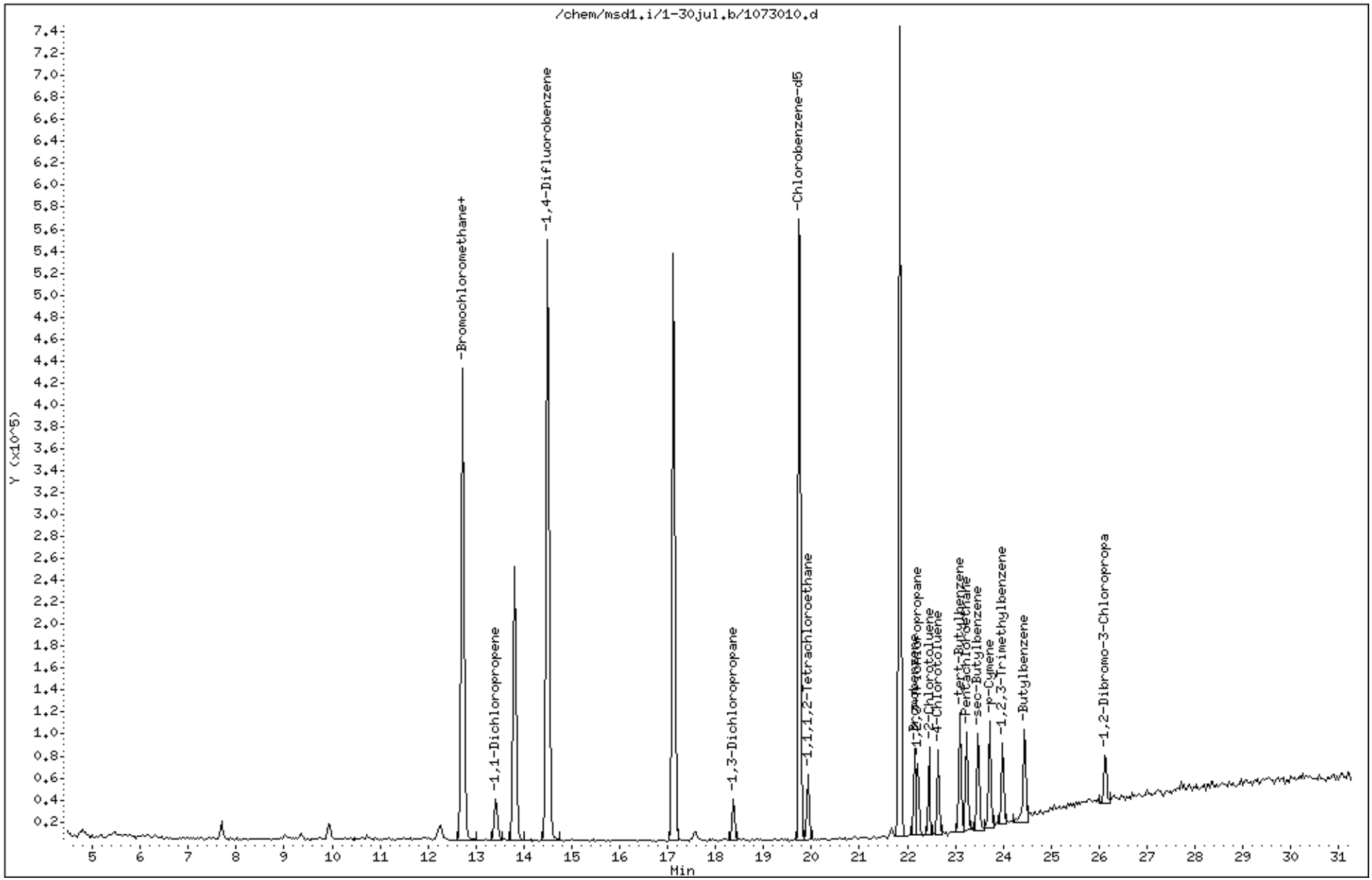
0098

Data File: /chem/msd1.i/1-30jul.b/1073010.d
Date : 30-JUL-2007 15:22
Client ID: Level 3
Sample Info: 2mL #1487-336

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-20jul.b/1072010.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 20-JUL-2007 16:47
Operator : kr Inst ID: msd1.i
Smp Info : 2.0mL #1487-341
Misc Info : 200ppbv-->2.0ppbv
Comment :
Method : /chem/msd1.i/1-20jul.b/t14q719b.m
Meth Date : 23-Jul-2007 11:33 ctaylor Quant Type: ISTD
Cal Date : 20-JUL-2007 16:47 Cal File: 1072010.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane					CAS #: 74-97-5			
12.724	12.724 (1.000)	130	313291	25.0000		50.00- 150.00		100.00
12.724	12.724 (1.000)	128	241610			28.00- 128.00		77.12
12.724	12.724 (1.000)	49	543784			187.95- 287.95		173.57
* 96 1,4-Difluorobenzene					CAS #: 540-36-3			
14.494	14.494 (1.000)	114	1157354	25.0000		50.00- 150.00		100.00
14.494	14.494 (1.000)	88	176353			0.00- 65.56		15.24
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
19.775	19.775 (1.000)	117	861379	25.0000		50.00- 150.00		100.00
19.747	19.747 (1.000)	82	464412			3.52- 103.52		53.91
13 Freon 152a					CAS #: 75-37-6			
4.761	4.761 (0.374)	65	23595	2.00000	2.000	50.00- 150.00		100.00
4.761	4.761 (0.374)	51	45699			143.68- 243.68		193.68
4.789	4.789 (0.376)	47	13632			7.77- 107.77		57.77
16 Freon 22					CAS #: 75-45-6			
4.899	4.899 (0.385)	51	95717	2.00000	2.000	50.00- 150.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Freon 22 (continued)							
4.899	4.899 (0.385)	67	10103			0.00- 60.56	10.56
0.000	1.000 (0.000)	85	0			0.00- 50.00	0.00
6 Freon142b					CAS #: 75-68-3		
5.342	5.342 (0.420)	65	68026	2.00000	2.000	50.00- 150.00	100.00
5.342	5.342 (0.420)	45	25148			0.00- 86.97	36.97
5.369	5.369 (0.422)	85	9847			0.00- 64.48	14.48
33 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
7.554	7.554 (0.594)	67	66977	2.00000	2.000	50.00- 150.00	100.00
7.526	7.526 (0.591)	69	20208			0.00- 80.17	30.17
0.000	1.000 (0.000)	35	0			0.00- 50.00	0.00
41 Freon123a					CAS #: 354-23-4		
8.355	8.355 (0.657)	67	49172	2.00000	2.000	50.00- 150.00	100.00
8.355	8.355 (0.657)	117	38339			27.97- 127.97	77.97
42 Freon123					CAS #: 306-83-2		
8.521	8.521 (0.670)	83	64206	2.00000	2.000	50.00- 150.00	100.00
8.494	8.494 (0.668)	133	16156			0.00- 75.16	25.16
8.521	8.521 (0.670)	85	44058			18.62- 118.62	68.62
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
9.987	9.987 (0.785)	59	43652	2.00000	2.000	50.00- 150.00	100.00
9.987	9.987 (0.785)	41	13674			0.00- 81.33	31.33
10.014	10.014 (0.787)	57	4275			0.00- 59.79	9.79
68 Isopropyl ether					CAS #: 108-20-3		
11.120	11.120 (0.874)	45	134976	2.00000	2.000	50.00- 150.00	100.00
11.148	11.148 (0.876)	87	31368			0.00- 73.24	23.24
11.148	11.148 (0.876)	59	21367			0.00- 65.83	15.83
66 1-Propanol					CAS #: 71-23-8		
11.231	11.231 (0.883)	42	7755	2.00000	2.000	50.00- 150.00	100.00
11.148	11.148 (0.876)	59	21367			225.53- 325.53	275.53
11.148	11.148 (0.876)	41	30212			339.58- 439.58	389.58
72 t-Butylethyl Ether					CAS #: 637-92-3		
11.784	11.784 (0.926)	59	71692	2.00000	2.000	50.00- 150.00	100.00
11.784	11.784 (0.926)	87	23256			0.00- 82.44	32.44
11.756	11.756 (0.924)	41	16197			0.00- 72.59	22.59
74 Ethyl Acetate					CAS #: 141-78-6		
12.254	12.254 (0.963)	45	14760	2.00000	2.000	50.00- 150.00	100.00
12.254	12.254 (0.963)	61	10352			20.14- 120.14	70.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
74 Ethyl Acetate (continued)							
12.254	12.254 (0.963)	43	86241			534.29- 634.29	584.29
88 Isobutanol					CAS #: 78-83-1		
13.471	13.471 (0.929)	43	24656	2.00000	2.000	50.00- 150.00	100.00
13.471	13.471 (0.929)	41	20689			33.91- 133.91	83.91
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
13.885	13.885 (0.958)	73	60477	2.00000	2.000	50.00- 150.00	100.00
13.885	13.885 (0.958)	87	14745			0.00- 74.38	24.38
13.885	13.885 (0.958)	55	20448			0.00- 83.81	33.81
98 1-Butanol					CAS #: 71-36-3		
14.687	14.687 (1.013)	56	17600	2.00000	2.000	50.00- 150.00	100.00
14.687	14.687 (1.013)	41	13598			27.26- 127.26	77.26
14.687	14.687 (1.013)	43	9844			5.93- 105.93	55.93
122 Butyl Acetate					CAS #: 123-86-4		
18.503	18.503 (1.277)	56	30664	2.00000	2.000	50.00- 150.00	100.00
18.475	18.475 (1.275)	73	7888			0.00- 75.72	25.72
18.503	18.503 (1.277)	43	74354			192.48- 292.48	242.48
97 2-Heptanone					CAS #: 110-43-0		
20.991	20.991 (1.062)	58	36773	2.00000	2.000	50.00- 150.00	100.00
20.991	20.991 (1.062)	43	62260			119.31- 219.31	169.31
136 Cyclohexanone					CAS #: 108-94-1		
21.793	21.793 (1.102)	55	36303	2.00000	2.000	50.00- 150.00	100.00
21.793	21.793 (1.102)	98	14106			0.00- 88.86	38.86
21.793	21.793 (1.102)	42	24748			18.17- 118.17	68.17
143 Diisobutyl Ketone					CAS #: 108-83-8		
22.705	22.705 (1.148)	57	85640	2.00000	2.000	50.00- 150.00	100.00
22.705	22.705 (1.148)	85	65346			26.30- 126.30	76.30
22.705	22.705 (1.148)	142	8157			0.00- 59.52	9.52

Report Date: 23-Jul-2007 11:33

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1072010.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-20jul.b/t14q719b.m
Misc Info: 200ppbv-->2.0ppbv

Calibration Date: 20-JUL-2007
Calibration Time: 17:24
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	310592	186355	434829	313291	0.87
96 1,4-Difluorobenze	1160591	696355	1624827	1157354	-0.28
125 Chlorobenzene-d5	855012	513007	1197017	861379	0.74

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

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

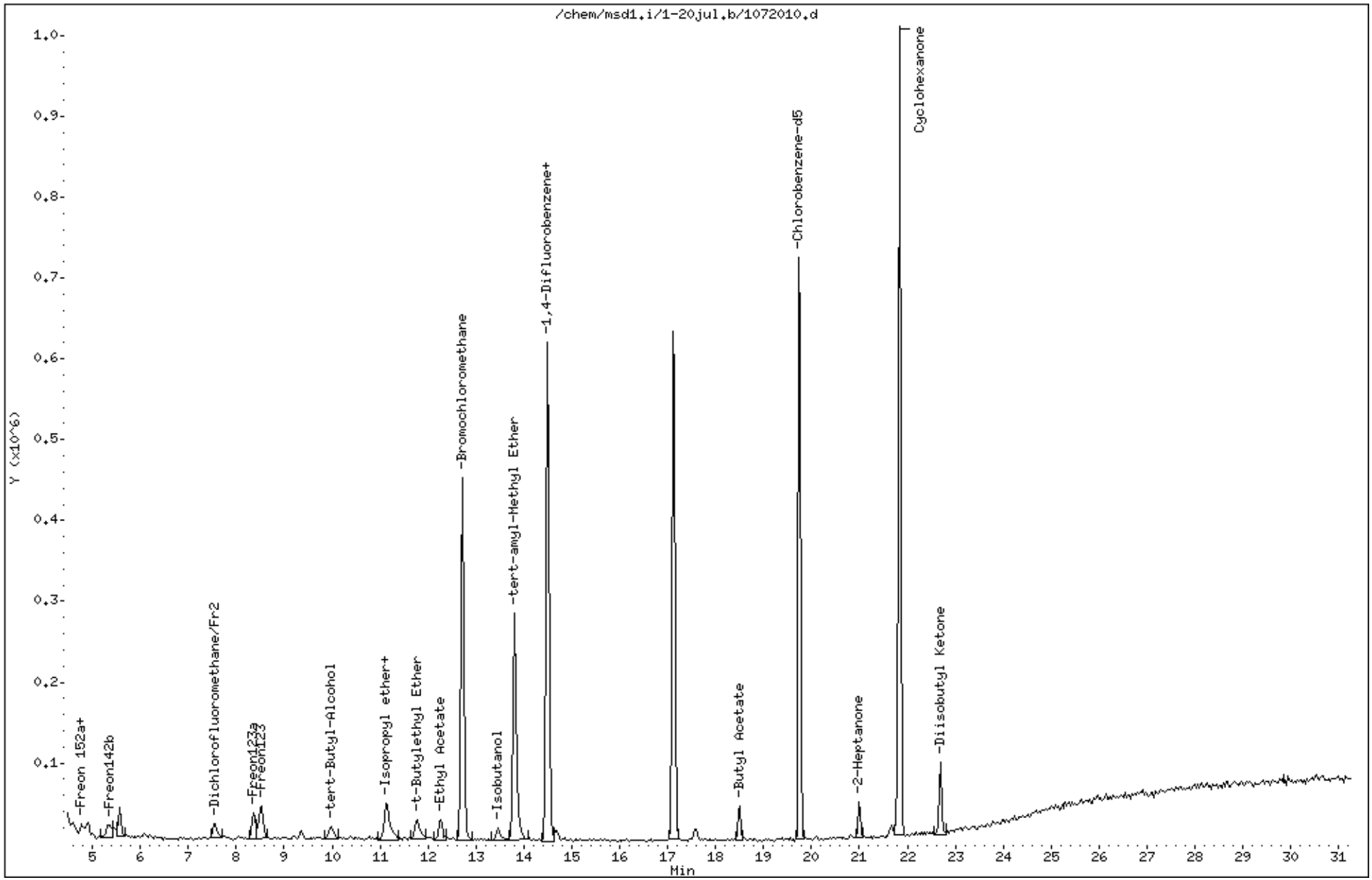
0103

Data File: /chem/msd1.i/1-20jul.b/1072010.d
Date : 20-JUL-2007 16:47
Client ID: Level 3
Sample Info: 2.0mL #1487-341

Column phase: RTx-624

Instrument: msd1.i

Operator: kr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071907.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 19-JUL-2007 14:55
Operator : cb Inst ID: msd1.i
Smp Info : 2mL #1443-190
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:03 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 14:55 Cal File: 1071907.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	316415	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	249423			29.28- 129.28	78.83
12.724	12.724 (1.000)	49	562165			127.51- 227.51	177.67
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1195361	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	182190			0.00- 65.65	15.24
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	800197	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	425122			3.00- 103.00	53.13
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	453325	25.0000	25.121	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	217211			0.00- 97.43	47.92
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.148	17.148 (1.183)	98	966148	25.0000	24.956	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	108229			0.00- 61.24	11.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	692937			21.71- 121.71	71.72
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	434000	25.0000	24.873	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	605517			86.85- 186.85	139.52
21.848	21.848 (1.105)	176	421469			46.55- 146.55	97.11
12 Propylene					CAS #: 115-07-1		
4.789	4.789 (0.376)	41	38902	2.00000	2.000	50.00- 150.00	100.00
4.761	4.761 (0.374)	42	28191			22.47- 122.47	72.47
4.761	4.761 (0.374)	39	31036			29.78- 129.78	79.78
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	113150	2.00000	2.063	50.00- 150.00	100.00
4.872	4.872 (0.383)	87	36182			0.00- 81.32	31.98
18 Freon 114					CAS #: 76-14-2		
5.231	5.231 (0.411)	135	79617	2.00000	2.135	50.00- 150.00	100.00
5.231	5.231 (0.411)	137	25810			0.00- 82.25	32.42
19 Chloromethane					CAS #: 74-87-3		
5.480	5.480 (0.431)	50	53772	2.00000	2.000	50.00- 150.00	100.00
5.535	5.535 (0.435)	52	17678			0.00- 82.88	32.88
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	50755	2.00000	2.210	50.00- 150.00	100.00
5.784	5.784 (0.455)	64	15360			0.00- 83.70	30.26
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	38430	2.00000	2.256	50.00- 150.00	100.00
5.812	5.812 (0.457)	39	37447			59.93- 159.93	97.44
27 Bromomethane					CAS #: 74-83-9		
6.779	6.779 (0.533)	94	40126	2.00000	2.092	50.00- 150.00	100.00
6.779	6.779 (0.533)	96	41018			49.41- 149.41	102.22
30 Chloroethane					CAS #: 75-00-3		
7.056	7.056 (0.555)	64	24011	2.00000	1.646	50.00- 150.00	100.00
7.084	7.084 (0.557)	49	6607			0.00- 77.52	27.52
7.111	7.111 (0.559)	66	7373			0.00- 80.71	30.71
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	109854	2.00000	2.169	50.00- 150.00	100.00
7.581	7.581 (0.596)	103	71779			14.78- 114.78	65.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	17030	2.00000	2.000	50.00- 150.00	100.00
8.079	8.079 (0.635)	43	3799			0.00- 72.31	22.31
8.051	8.051 (0.633)	46	6300			0.00- 86.99	36.99
44 Freon 113					CAS #: 76-13-1		
8.770	8.770 (0.689)	151	56175	2.00000	2.101	50.00- 150.00	100.00
8.743	8.743 (0.687)	153	40945			20.55- 120.55	72.89
8.743	8.743 (0.687)	101	80764			86.82- 186.82	143.77
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	72501	2.00000	2.011	50.00- 150.00	100.00
8.853	8.853 (0.696)	96	42393			6.84- 106.84	58.47
8.853	8.853 (0.696)	98	25636			0.00- 84.67	35.36
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	20752	2.00000	2.000	50.00- 150.00	100.00
9.019	9.019 (0.709)	43	72224			298.03- 398.03	348.03
47 2-Propanol					CAS #: 67-63-0		
9.213	9.213 (0.724)	45	65132	2.00000	2.000	50.00- 150.00	100.00
9.213	9.213 (0.724)	43	22578			0.00- 84.66	34.66
9.240	9.240 (0.726)	59	2899			0.00- 54.45	4.45
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	141685	2.00000	1.986	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	14472	2.00000	2.000	50.00- 150.00	100.00
9.655	9.655 (0.759)	41	49068			289.05- 389.05	339.05
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	67959	2.00000	1.796	50.00- 150.00	100.00
9.959	9.959 (0.783)	84	42921			8.45- 108.45	63.16
9.931	9.931 (0.781)	51	22728			0.00- 82.63	33.44
60 MTBE					CAS #: 1634-04-4		
10.319	10.319 (0.811)	73	35920	2.00000	1.724	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	9588			0.00- 75.06	26.69
10.319	10.319 (0.811)	41	13918			1.31- 101.31	38.75
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	51810	2.00000	1.930	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	70726			74.36- 174.36	136.51
10.402	10.402 (0.817)	98	28273			0.00- 97.83	54.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	73472	2.00000	2.161	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	46030			22.19- 122.19	62.65
10.761	10.761 (0.846)	86	9393			0.00- 62.68	12.78
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	6922	2.00000	2.000	50.00- 150.00	100.00
11.203	11.203 (0.880)	43	97747			1362.12-1462.12	1412.12
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	82017	2.00000	2.116	50.00- 150.00	100.00
11.231	11.231 (0.883)	65	26301			0.00- 79.89	32.07
75 2-Butanone					CAS #: 78-93-3		
12.282	12.282 (0.965)	72	15735	2.00000	2.314	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	84187			531.68- 631.68	535.03
12.282	12.282 (0.965)	57	5617			0.00- 97.02	35.70
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	61319	2.00000	2.258	50.00- 150.00	100.00
12.282	12.282 (0.965)	96	47185			29.75- 129.75	76.95
12.282	12.282 (0.965)	98	27969			0.00- 96.26	45.61
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	53792	2.00000	1.776	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	18378			0.00- 81.58	34.16
12.724	12.724 (1.000)	72	21754			0.00- 87.62	40.44
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	77026	2.00000	2.165	50.00- 150.00	100.00
12.807	12.807 (1.007)	85	53422			20.49- 120.49	69.36
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	73470	2.00000	2.242	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	44423			11.32- 111.32	60.46
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	46252	2.00000	2.025	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	66119			82.38- 182.38	142.95
13.139	13.139 (1.033)	41	41783			37.61- 137.61	90.34
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	69649	2.00000	2.184	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	73490			54.91- 154.91	105.51
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	113945	2.00000	2.132	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	23848			0.00- 72.37	20.93
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	171069	2.00000	2.198	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	61758			0.00- 87.49	36.10
13.747	13.747 (0.948)	41	49737			0.00- 84.95	29.07
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	56261	2.00000	2.136	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	18640			0.00- 85.68	33.13
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	28048	2.00000	1.996	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	69074			183.00- 283.00	246.27
14.051	14.051 (0.969)	57	41348			83.30- 183.30	147.42
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	48728	2.00000	2.184	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	41707			42.19- 142.19	85.59
14.964	14.964 (1.032)	97	31293			12.37- 112.37	64.22
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	38810	2.00000	2.229	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	28777			27.46- 127.46	74.15
15.461	15.461 (1.067)	41	31013			51.83- 151.83	79.91
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	18998	2.00000	2.000	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	13985			23.61- 123.61	73.61
15.600	15.600 (1.076)	57	4328			0.00- 72.78	22.78
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	71297	2.00000	2.125	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	45469			12.30- 112.30	63.77
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	53902	2.00000	2.171	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	16563			0.00- 79.62	30.73
16.706	16.706 (1.153)	39	38049			27.88- 127.88	70.59
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	23278	2.00000	2.282	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	67474			255.34- 355.34	289.86
16.899	16.899 (1.166)	85	9071			0.00- 84.11	38.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	106253	2.00000	2.137	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	65429			12.94- 112.94	61.58
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	51292	2.00000	2.146	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	17527			0.00- 82.07	34.17
17.701	17.701 (0.895)	39	36323			28.78- 128.78	70.82
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	44544	2.00000	2.247	50.00- 150.00	100.00
18.033	18.033 (0.912)	99	28674			14.14- 114.14	64.37
18.033	18.033 (0.912)	83	34676			31.76- 131.76	77.85
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	51238	2.00000	2.241	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	40438			33.47- 133.47	78.92
18.199	18.199 (0.920)	131	39081			24.76- 124.76	76.27
120 2-Hexanone					CAS #: 591-78-6		
18.392	18.392 (0.930)	58	33989	2.00000	2.000	50.00- 150.00	100.00
18.392	18.392 (0.930)	43	65686			143.26- 243.26	193.26
18.392	18.392 (0.930)	100	5038			0.00- 64.82	14.82
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	65069	2.00000	2.210	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	50088			32.10- 132.10	76.98
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.961)	107	63091	2.00000	2.237	50.00- 150.00	100.00
19.000	19.000 (0.961)	109	58989			47.18- 147.18	93.50
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	92816	2.00000	2.214	50.00- 150.00	100.00
19.802	19.802 (1.001)	114	27605			0.00- 85.08	29.74
19.802	19.802 (1.001)	77	58882			31.51- 131.51	63.44
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	42956	2.00000	2.174	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	139178			293.62- 393.62	324.00
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.017)	106	57598	2.00000	2.185	50.00- 150.00	100.00
20.106	20.106 (1.017)	91	109192			148.14- 248.14	189.58
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	54058	2.00000	2.163	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	110179			162.26- 262.26	203.82
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	82470	2.00000	2.196	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	43255			9.41- 109.41	52.45
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	58808	2.00000	2.434	50.00- 150.00	100.00
21.295	21.295 (1.077)	171	31574			6.16- 106.16	53.69
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	149849	2.00000	2.149	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	41388			0.00- 77.00	27.62
21.461	21.461 (1.085)	51	18715			0.00- 62.49	12.49
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	96220	2.00000	2.287	50.00- 150.00	100.00
22.070	22.070 (1.116)	85	61708			21.28- 121.28	64.13
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	199509	2.00000	2.200	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	44036			0.00- 73.55	22.07
22.208	22.208 (1.123)	105	10231			0.00- 54.59	5.13
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	179885	2.00000	2.206	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	51973			0.00- 83.19	28.89
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	148883	2.00000	2.090	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	77817			0.75- 100.75	52.27
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	145227	2.00000	2.043	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	65908			0.00- 94.65	45.38
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	114110	2.00000	2.126	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	73125			13.58- 113.58	64.08
23.811	23.811 (1.204)	111	44716			0.00- 86.87	39.19
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	116380	2.00000	2.214	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	74518			18.09- 118.09	64.03
23.977	23.977 (1.213)	111	40894			0.00- 89.74	35.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	137751	2.00000	2.154	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	29568			0.00- 72.03	21.46
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	103322	2.00000	1.979	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	68666			11.35- 111.35	66.46
24.669	24.669 (1.247)	111	40492			0.00- 90.42	39.19
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	53004	2.00000	2.000	50.00- 150.00	100.00
27.710	27.710 (1.401)	182	52942			49.88- 149.88	99.88
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.931	27.931 (1.412)	225	45405	2.00000	2.000	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	29759			15.54- 115.54	65.54
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	126226	2.00000	2.146	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	20046			0.00- 70.85	15.88
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	55717	2.00000	2.000	50.00- 150.00	100.00
7.056	7.056 (0.555)	57	35971			14.56- 114.56	64.56
20 Butane					CAS #: 106-97-8		
5.673	5.673 (0.446)	58	9189	2.00000	2.000	50.00- 150.00	100.00
5.673	5.673 (0.446)	43	69317			704.35- 804.35	754.35
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	47926	2.00000	2.132	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	20953			0.00- 99.62	43.72
15.240	15.240 (1.052)	55	49166			60.31- 160.31	102.59

Report Date: 23-Jul-2007 11:03

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071907.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	316415	-4.40
96 1,4-Difluorobenze	1232867	739720	1726014	1195361	-3.04
125 Chlorobenzene-d5	895361	537217	1253505	800197	-10.63

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

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

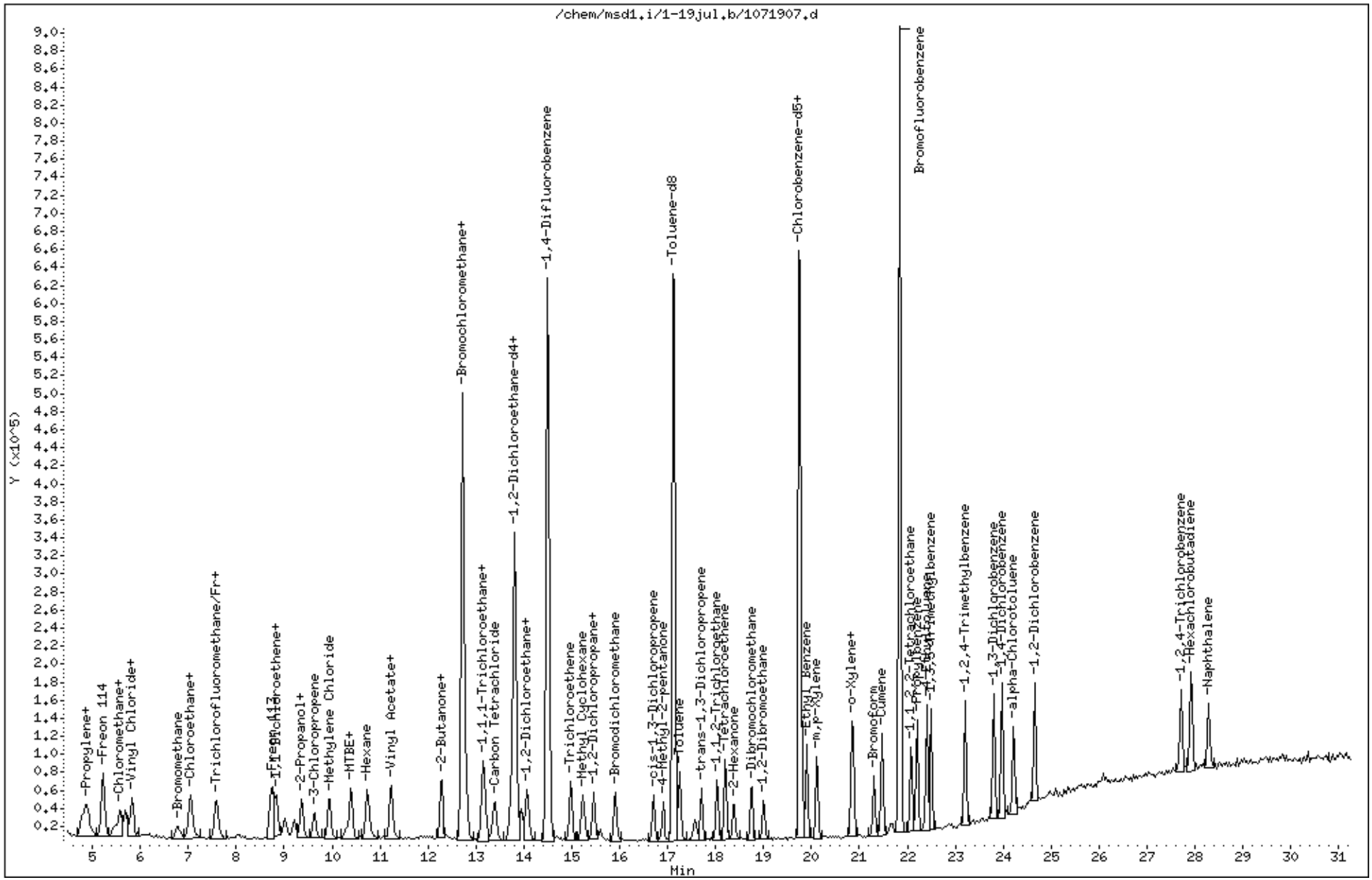
0113

Data File: /chem/msd1.i/1-19jul.b/1071907.d
Date : 19-JUL-2007 14:55
Client ID: Level 3
Sample Info: 2mL #1443-190

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071908.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 19-JUL-2007 15:32
Operator : cb Inst ID: msd1.i
Smp Info : 25mL #1443-190
Misc Info : 200ppbv --> 25ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:04 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 15:32 Cal File: 1071908.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	318591	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	261834			30.25- 130.25	82.18
12.724	12.724 (1.000)	49	732314			144.96- 244.96	229.86
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	1253311	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	193887			0.00- 65.59	15.47
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	907079	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	488214			3.28- 103.28	53.82
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	465107	25.0000	25.395	50.00- 150.00	100.00
13.802	13.802 (1.085)	67	242948			0.00- 99.03	52.23
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.120	17.120 (1.181)	98	1046631	25.0000	25.518	50.00- 150.00	100.00
17.120	17.120 (1.181)	70	120141			0.00- 61.32	11.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	734877			21.21- 121.21	70.21
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	513571	25.0000	25.635	50.00- 150.00	100.00
21.848	21.848 (1.105)	95	694457			86.31- 186.31	135.22
21.848	21.848 (1.105)	176	483586			45.75- 145.75	94.16
12 Propylene					CAS #: 115-07-1		
4.733	4.733 (0.372)	41	517287	25.0000	25.687	50.00- 150.00	100.00
4.761	4.761 (0.374)	42	374293			22.41- 122.41	72.36
4.761	4.761 (0.374)	39	415599			30.06- 130.06	80.34
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	1559905	25.0000	27.073	50.00- 150.00	100.00
4.872	4.872 (0.383)	87	518979			0.00- 81.97	33.27
18 Freon 114					CAS #: 76-14-2		
5.176	5.176 (0.407)	135	1186740	25.0000	29.048	50.00- 150.00	100.00
5.176	5.176 (0.407)	137	368872			0.00- 81.86	31.08
19 Chloromethane					CAS #: 74-87-3		
5.425	5.425 (0.426)	50	694617	25.0000	25.325	50.00- 150.00	100.00
5.425	5.425 (0.426)	52	219926			0.00- 82.27	31.66
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	731830	25.0000	29.070	50.00- 150.00	100.00
5.784	5.784 (0.455)	64	230471			0.00- 82.97	31.49
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	560358	25.0000	29.637	50.00- 150.00	100.00
5.784	5.784 (0.455)	39	540556			55.44- 155.44	96.47
27 Bromomethane					CAS #: 74-83-9		
6.752	6.752 (0.531)	94	613609	25.0000	29.138	50.00- 150.00	100.00
6.752	6.752 (0.531)	96	579962			47.78- 147.78	94.52
30 Chloroethane					CAS #: 75-00-3		
7.028	7.028 (0.552)	64	342050	25.0000	23.830	50.00- 150.00	100.00
7.028	7.028 (0.552)	49	117161			0.00- 80.88	34.25
7.028	7.028 (0.552)	66	107617			0.00- 81.08	31.46
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.554	7.554 (0.594)	101	1715702	25.0000	30.165	50.00- 150.00	100.00
7.554	7.554 (0.594)	103	1096497			14.49- 114.49	63.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	230759	25.0000	25.922	50.00- 150.00	100.00
8.051	8.051 (0.633)	43	49035			0.00- 71.78	21.25
8.024	8.024 (0.631)	46	75784			0.00- 84.92	32.84
44 Freon 113					CAS #: 76-13-1		
8.742	8.742 (0.687)	151	951297	25.0000	31.057	50.00- 150.00	100.00
8.742	8.742 (0.687)	153	597737			17.98- 117.98	62.83
8.742	8.742 (0.687)	101	1225985			84.17- 184.17	128.88
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	1137549	25.0000	28.897	50.00- 150.00	100.00
8.853	8.853 (0.696)	96	641748			6.70- 106.70	56.41
8.853	8.853 (0.696)	98	410557			0.00- 85.14	36.09
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	332597	25.0000	28.007	50.00- 150.00	100.00
9.019	9.019 (0.709)	43	1086388			287.34- 387.34	326.64
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	1186198	25.0000	29.567	50.00- 150.00	100.00
9.185	9.185 (0.722)	43	296378			0.00- 79.83	24.99
9.185	9.185 (0.722)	59	44446			0.00- 54.10	3.75
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	2033723	25.0000	27.113	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.627	9.627 (0.757)	76	285042	25.0000	30.506	50.00- 150.00	100.00
9.627	9.627 (0.757)	41	956216			287.26- 387.26	335.46
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	881154	25.0000	23.720	50.00- 150.00	100.00
9.931	9.931 (0.781)	84	556366			10.01- 110.01	63.14
9.931	9.931 (0.781)	51	279088			0.00- 82.31	31.67
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	601382	25.0000	27.330	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	152136			0.00- 75.14	25.30
10.291	10.291 (0.809)	41	160948			0.00- 93.13	26.76
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	749658	25.0000	26.762	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	1153109			84.18- 184.18	153.82
10.374	10.374 (0.815)	98	457319			2.22- 102.22	61.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
65 Hexane						CAS #: 110-54-3	
10.733	10.733 (0.844)	57	1177097	25.0000	30.562	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	729938			18.80- 118.80	62.01
10.733	10.733 (0.844)	86	146674			0.00- 62.61	12.46
69 Vinyl Acetate						CAS #: 108-05-4	
11.203	11.203 (0.880)	86	136781	25.0000	30.545	50.00- 150.00	100.00
11.203	11.203 (0.880)	43	1977075			1378.78-1478.78	1445.43
70 1,1-Dichloroethane						CAS #: 75-34-3	
11.231	11.231 (0.883)	63	1339942	25.0000	30.533	50.00- 150.00	100.00
11.231	11.231 (0.883)	65	406146			0.00- 80.03	30.31
75 2-Butanone						CAS #: 78-93-3	
12.254	12.254 (0.963)	72	299124	25.0000	34.976	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	1438358			498.07- 598.07	480.86
12.254	12.254 (0.963)	57	105526			0.00- 93.11	35.28
77 cis-1,2-Dichloroethene						CAS #: 156-59-2	
12.282	12.282 (0.965)	61	1001192	25.0000	31.702	50.00- 150.00	100.00
12.282	12.282 (0.965)	96	690862			26.17- 126.17	69.00
12.282	12.282 (0.965)	98	453810			0.00- 95.95	45.33
79 Tetrahydrofuran						CAS #: 109-99-9	
12.724	12.724 (1.000)	42	819025	25.0000	26.210	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	288923			0.00- 82.81	35.28
12.724	12.724 (1.000)	72	301509			0.00- 87.35	36.81
81 Chloroform						CAS #: 67-66-3	
12.807	12.807 (1.007)	83	1293334	25.0000	31.450	50.00- 150.00	100.00
12.807	12.807 (1.007)	85	830049			18.39- 118.39	64.18
83 1,1,1-Trichloroethane						CAS #: 71-55-6	
13.139	13.139 (1.033)	97	1192478	25.0000	31.467	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	753857			11.95- 111.95	63.22
84 Cyclohexane						CAS #: 110-82-7	
13.166	13.166 (1.035)	84	746337	25.0000	29.521	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	1049457			85.13- 185.13	140.61
13.139	13.139 (1.033)	41	613229			35.80- 135.80	82.17
86 Carbon Tetrachloride						CAS #: 56-23-5	
13.388	13.388 (1.052)	119	1159184	25.0000	31.443	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	1187384			54.09- 154.09	102.43
91 Benzene						CAS #: 71-43-2	
13.830	13.830 (0.954)	78	1800073	25.0000	29.341	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	390075			0.00- 72.14	21.67
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	2763266	25.0000	30.284	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	963421			0.00- 86.61	34.87
13.747	13.747 (0.948)	41	760309			0.00- 82.47	27.51
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	942384	25.0000	30.419	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	280773			0.00- 83.72	29.79
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	501133	25.0000	30.363	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	1105957			178.90- 278.90	220.69
14.051	14.051 (0.969)	57	597198			78.59- 178.59	119.17
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	731679	25.0000	28.866	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	714109			43.99- 143.99	97.60
14.964	14.964 (1.032)	97	470789			13.03- 113.03	64.34
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	631123	25.0000	30.662	50.00- 150.00	100.00
15.461	15.461 (1.067)	62	469861			26.46- 126.46	74.45
15.461	15.461 (1.067)	41	436380			40.94- 140.94	69.14
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	348626	25.0000	29.168	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	258886			23.94- 123.94	74.26
15.600	15.600 (1.076)	57	93311			0.00- 74.77	26.77
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	1207390	25.0000	30.526	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	770534			12.81- 112.81	63.82
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.705	16.705 (1.153)	75	893364	25.0000	30.529	50.00- 150.00	100.00
16.705	16.705 (1.153)	77	290149			0.00- 80.57	32.48
16.705	16.705 (1.153)	39	624746			25.23- 125.23	69.93
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	494959	25.0000	36.047	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	1268975			239.02- 339.02	256.38
16.899	16.899 (1.166)	85	175069			0.00- 84.53	35.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.258	17.258 (1.191)	91	1744031	25.0000	30.062	50.00- 150.00	100.00
17.258	17.258 (1.191)	92	1072155			12.45- 112.45	61.48
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	899576	25.0000	29.928	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	288005			0.00- 82.05	32.02
17.701	17.701 (0.895)	39	587767			24.30- 124.30	65.34
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	662369	25.0000	27.816	50.00- 150.00	100.00
18.033	18.033 (0.912)	99	413353			13.57- 113.57	62.41
18.033	18.033 (0.912)	83	555169			32.44- 132.44	83.82
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	809434	25.0000	28.834	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	615291			30.98- 130.98	76.01
18.199	18.199 (0.920)	131	610061			24.96- 124.96	75.37
120 2-Hexanone					CAS #: 591-78-6		
18.364	18.364 (0.929)	58	667470	25.0000	29.044	50.00- 150.00	100.00
18.364	18.364 (0.929)	43	1276436			142.25- 242.25	191.23
18.392	18.392 (0.930)	100	99544			0.00- 64.87	14.91
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	1108960	25.0000	29.945	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	843807			30.10- 130.10	76.09
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.961)	107	1031925	25.0000	29.423	50.00- 150.00	100.00
19.000	19.000 (0.961)	109	968707			46.08- 146.08	93.87
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	1390566	25.0000	27.688	50.00- 150.00	100.00
19.802	19.802 (1.001)	114	459383			0.00- 84.40	33.04
19.802	19.802 (1.001)	77	795835			23.42- 123.42	57.23
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	705587	25.0000	28.987	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	2158630			281.06- 381.06	305.93
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.017)	106	897076	25.0000	28.138	50.00- 150.00	100.00
20.106	20.106 (1.017)	91	1740370			146.76- 246.76	194.00
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	826568	25.0000	27.637	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	1641835			157.72- 257.72	198.63
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	1413554	25.0000	29.935	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	683625			5.73- 105.73	48.36
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	959857	25.0000	30.910	50.00- 150.00	100.00
21.295	21.295 (1.077)	171	505515			5.00- 105.00	52.67
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	2185514	25.0000	26.708	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	558763			0.00- 76.52	25.57
21.461	21.461 (1.085)	51	234056			0.00- 61.89	10.71
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.069	22.069 (1.116)	83	1371778	25.0000	27.389	50.00- 150.00	100.00
22.069	22.069 (1.116)	85	868994			18.64- 118.64	63.35
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	2967568	25.0000	27.457	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	650603			0.00- 73.01	21.92
22.208	22.208 (1.123)	105	109502			0.00- 54.29	3.69
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	2650444	25.0000	27.332	50.00- 150.00	100.00
22.401	22.401 (1.133)	120	783243			0.00- 81.98	29.55
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	1976484	25.0000	24.650	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	998158			0.67- 100.67	50.50
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	2089961	25.0000	25.620	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	957510			0.00- 95.04	45.81
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	1583995	25.0000	25.679	50.00- 150.00	100.00
23.811	23.811 (1.204)	148	988276			13.18- 113.18	62.39
23.811	23.811 (1.204)	111	607338			0.00- 87.36	38.34
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	1602891	25.0000	26.238	50.00- 150.00	100.00
23.977	23.977 (1.213)	148	1006956			16.33- 116.33	62.82
23.977	23.977 (1.213)	111	603122			0.00- 89.04	37.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.198	24.198 (1.224)	91	2177571	25.0000	28.149	50.00- 150.00	100.00
24.198	24.198 (1.224)	126	438865			0.00- 71.40	20.15
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	1483967	25.0000	25.050	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	915808			11.47- 111.47	61.71
24.669	24.669 (1.247)	111	590985			0.00- 90.22	39.82
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	802221	25.0000	25.824	50.00- 150.00	100.00
27.710	27.710 (1.401)	182	739945			46.06- 146.06	92.24
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	664894	25.0000	25.411	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	422743			14.56- 114.56	63.58
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	1804617	25.0000	26.343	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	229430			0.00- 68.14	12.71
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	847782	25.0000	27.365	50.00- 150.00	100.00
7.056	7.056 (0.555)	57	586186			16.85- 116.85	69.14
20 Butane					CAS #: 106-97-8		
5.646	5.646 (0.444)	58	115161	25.0000	24.947	50.00- 150.00	100.00
5.646	5.646 (0.444)	43	1027539			773.31- 873.31	892.26
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	811171	25.0000	30.579	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	354296			0.00- 97.64	43.68
15.240	15.240 (1.052)	55	815494			57.05- 157.05	100.53

Report Date: 23-Jul-2007 11:04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071908.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv --> 25ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	318591	-3.74
96 1,4-Difluorobenze	1232867	739720	1726014	1253311	1.66
125 Chlorobenzene-d5	895361	537217	1253505	907079	1.31

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

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

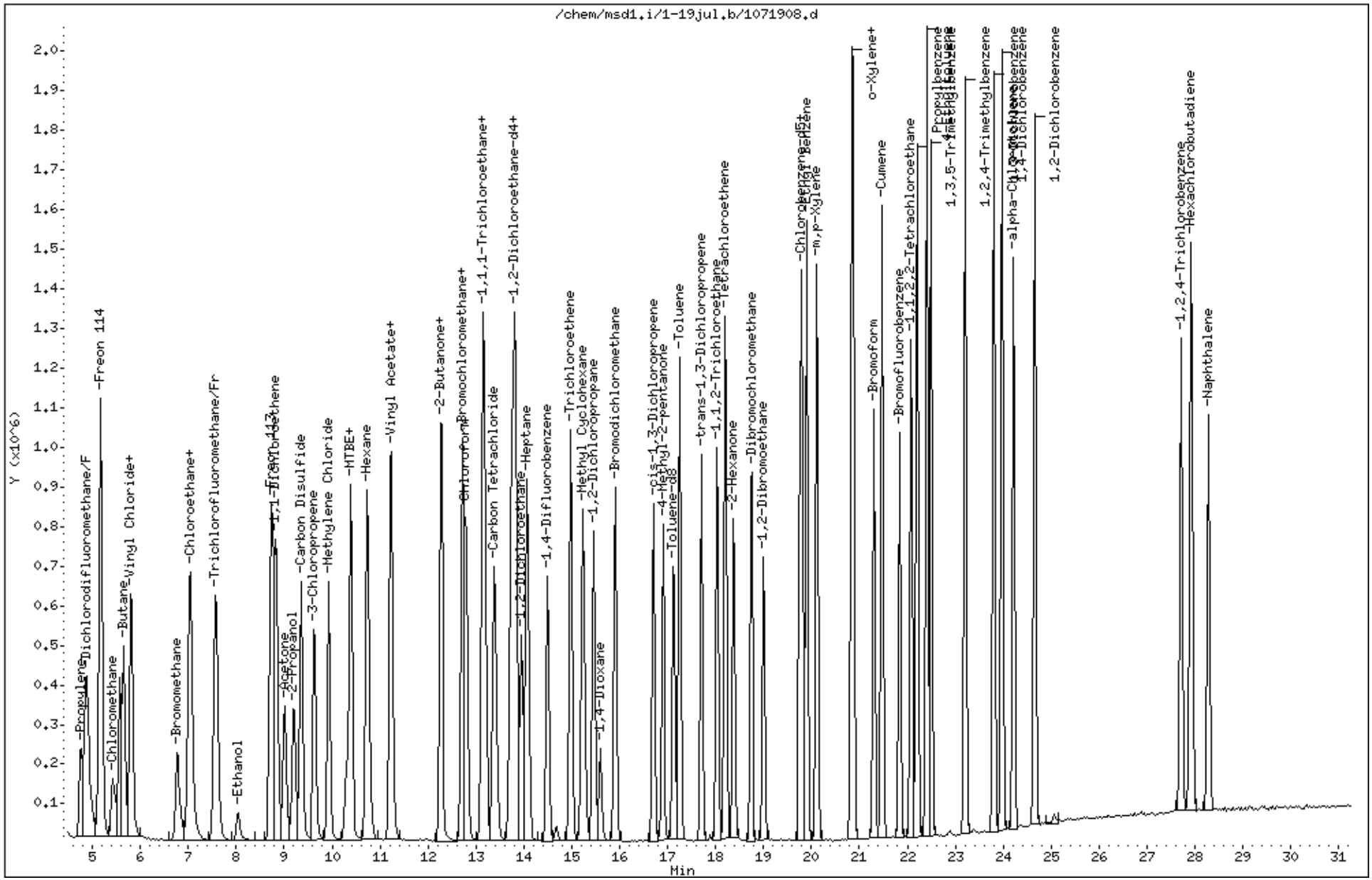
0123

Data File: /chem/msd1.i/1-19jul.b/1071908.d
Date : 19-JUL-2007 15:32
Client ID: Level 4
Sample Info: 25mL #1443-190

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073006.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 30-JUL-2007 11:52
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1487-336
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 11:24 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 11:52 Cal File: 1073006.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane					CAS #: 74-97-5			
12.724	12.724 (1.000)	130	276120	25.0000		80.00- 120.00		100.00
12.724	12.724 (1.000)	128	215709			28.12- 128.12		78.12
12.724	12.724 (1.000)	49	506837			133.56- 233.56		183.56
* 96 1,4-Difluorobenzene					CAS #: 540-36-3			
14.494	14.494 (1.000)	114	1023652	25.0000		80.00- 120.00		100.00
14.494	14.494 (1.000)	88	154038			0.00- 65.05		15.05
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
19.747	19.747 (1.000)	117	778721	25.0000		80.00- 120.00		100.00
19.747	19.747 (1.000)	82	395547			3.17- 103.17		50.79
76 2,2-Dichloropropane					CAS #: 594-20-7			
12.226	12.226 (0.961)	77	763325	50.0000	60.148	80.00- 120.00		100.00
12.226	12.226 (0.961)	79	239106			0.00- 81.32		31.32
12.226	12.226 (0.961)	97	150555			0.00- 66.97		19.72
87 1,1-Dichloropropene					CAS #: 563-58-6			
13.415	13.415 (0.926)	110	453116	50.0000	52.516	80.00- 120.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	87 1,1-Dichloropropene (continued)						
13.415	13.415 (0.926)	75	1189027			209.38- 309.38	262.41
	121 1,3-Dichloropropane				CAS #: 142-28-9		
18.365	18.365 (1.267)	76	1147981	50.0000	52.916	80.00- 120.00	100.00
18.365	18.365 (1.267)	41	1037317			40.36- 140.36	90.36
18.365	18.365 (1.267)	78	365021			0.00- 80.88	31.80
	129 1,1,1,2-Tetrachloroethane				CAS #: 630-20-6		
19.941	19.941 (1.010)	131	894288	50.0000	51.826	80.00- 120.00	100.00
19.941	19.941 (1.010)	117	609686			21.89- 121.89	68.18
19.941	19.941 (1.010)	95	327226			0.00- 88.89	36.59
	140 Bromobenzene				CAS #: 108-86-1		
22.153	22.153 (1.122)	156	1048624	50.0000	51.277	80.00- 120.00	100.00
22.153	22.153 (1.122)	158	1005657			45.90- 145.90	95.90
22.153	22.153 (1.122)	77	2071236			157.76- 257.76	197.52
	141 1,2,3-Trichloropropane				CAS #: 96-18-4		
22.208	22.208 (1.125)	110	503377	50.0000	49.133	80.00- 120.00	100.00
22.208	22.208 (1.125)	75	1489018			245.81- 345.81	295.81
22.208	22.208 (1.125)	61	417943			33.04- 133.04	83.03
	145 2-Chlorotoluene				CAS #: 95-49-8		
22.457	22.457 (1.137)	126	835233	50.0000	50.254	80.00- 120.00	100.00
22.457	22.457 (1.137)	91	2463337			244.93- 344.93	294.93
22.457	22.457 (1.137)	65	238514			0.00- 78.87	28.56
	147 4-Chlorotoluene				CAS #: 106-43-4		
22.650	22.650 (1.147)	126	771129	50.0000	50.927	80.00- 120.00	100.00
22.650	22.650 (1.147)	91	2364056			256.57- 356.57	306.57
22.650	22.650 (1.147)	63	315948			0.00- 90.05	40.97
	149 tert-Butylbenzene				CAS #: 98-06-6		
23.093	23.093 (1.169)	119	2601270	50.0000	49.373	80.00- 120.00	100.00
23.093	23.093 (1.169)	134	630186			0.00- 74.23	24.23
23.093	23.093 (1.169)	91	1732366			18.37- 118.37	66.60
	151 Pentachloroethane				CAS #: 76-01-7		
23.231	23.231 (1.176)	167	812113	50.0000	50.813	80.00- 120.00	100.00
23.231	23.231 (1.176)	117	879578			59.43- 159.43	108.31
23.231	23.231 (1.176)	169	371051			0.00- 95.63	45.69
	152 sec-Butylbenzene				CAS #: 135-98-8		
23.480	23.480 (1.189)	105	3642661	50.0000	49.899	80.00- 120.00	100.00
23.480	23.480 (1.189)	134	678396			0.00- 68.62	18.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene (continued)							
23.480	23.480 (1.189)	91	550886			0.00- 66.10	15.12
155 p-Cymene					CAS #: 99-87-6		
23.729	23.729 (1.202)	119	3153053	50.0000	51.201	80.00- 120.00	100.00
23.729	23.729 (1.202)	134	858522			0.00- 77.53	27.23
23.729	23.729 (1.202)	91	736574			0.00- 75.40	23.36
158 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
23.977	23.977 (1.214)	120	1076206	50.0000	50.512	80.00- 120.00	100.00
23.977	23.977 (1.214)	105	2438422			176.58- 276.58	226.58
23.977	23.977 (1.214)	77	304780			0.00- 80.01	28.32
161 Butylbenzene					CAS #: 104-51-8		
24.448	24.448 (1.238)	134	760420	50.0000	49.784	80.00- 120.00	100.00
24.448	24.448 (1.238)	91	2983725			342.38- 442.38	392.38
24.448	24.448 (1.238)	92	1657777			158.51- 258.51	218.01
164 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
26.134	26.134 (1.323)	157	753466	50.0000	51.751	80.00- 120.00	100.00
26.106	26.106 (1.322)	75	698878			42.76- 142.76	92.76
26.134	26.134 (1.323)	155	588991			28.42- 128.42	78.17

Report Date: 31-Jul-2007 11:24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073006.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 30-JUL-2007
Calibration Time: 11:52
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	276120	165672	386568	276120	0.00
96 1,4-Difluorobenze	1023652	614191	1433113	1023652	0.00
125 Chlorobenzene-d5	778721	467233	1090209	778721	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.75	19.42	20.08	19.75	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.

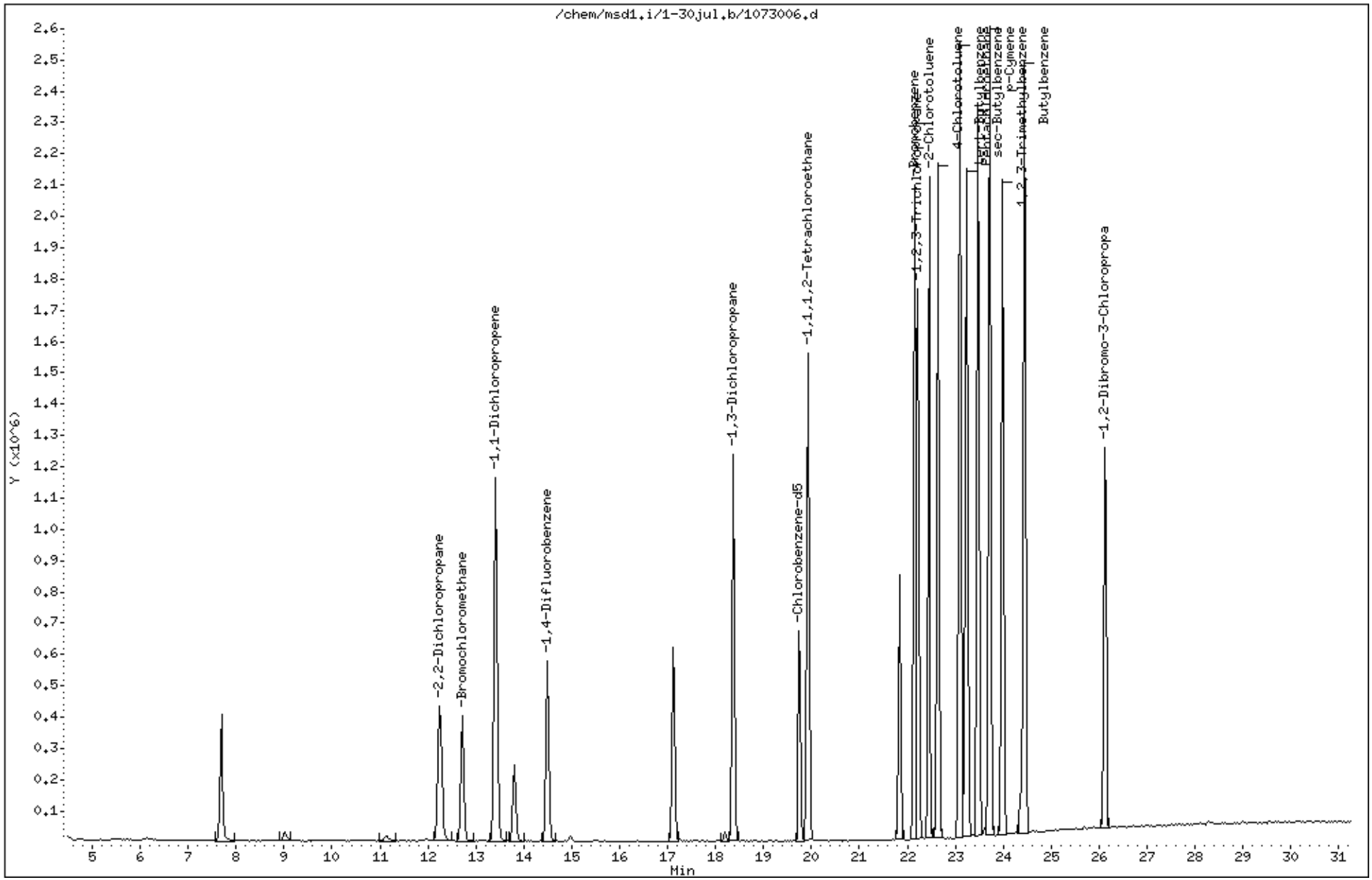
0128

Data File: /chem/msd1.i/1-30jul.b/1073006.d
Date : 30-JUL-2007 11:52
Client ID: Level 5
Sample Info: 50mL #1487-336

Column phase: RTx-624

Instrument: msd1.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-20jul.b/1072011.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 20-JUL-2007 17:24
Operator : kr Inst ID: msd1.i
Smp Info : 50mL #1487-341
Misc Info : 200ppbv-->50ppbv
Comment :
Method : /chem/msd1.i/1-20jul.b/t14q719b.m
Meth Date : 23-Jul-2007 11:33 ctaylor Quant Type: ISTD
Cal Date : 20-JUL-2007 17:24 Cal File: 1072011.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	310592	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	251001			30.81- 130.81	80.81
12.724	12.724 (1.000)	49	544981			125.47- 225.47	175.47
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1160591	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	178770			0.00- 65.40	15.40
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	855012	25.0000		80.00- 120.00	100.00
19.747	19.747 (1.000)	82	441070			3.24- 103.24	51.59
13 Freon 152a					CAS #: 75-37-6		
4.761	4.761 (0.374)	65	663482	50.0000	53.152	80.00- 120.00	100.00
4.761	4.761 (0.374)	51	1366819			149.84- 249.84	206.01
4.761	4.761 (0.374)	47	371379			6.87- 106.87	55.97
16 Freon 22					CAS #: 75-45-6		
4.899	4.899 (0.385)	51	2523206	50.0000	51.541	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Freon 22 (continued)							
4.899	4.899 (0.385)	67	253319			0.00- 60.30	10.04
4.899	4.899 (0.385)	85	29054			0.00- 51.15	1.15
6 Freon142b					CAS #: 75-68-3		
5.342	5.342 (0.420)	65	1935339	50.0000	53.443	80.00- 120.00	100.00
5.342	5.342 (0.420)	45	576408			0.00- 83.38	29.78
5.342	5.342 (0.420)	85	259377			0.00- 63.94	13.40
33 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
7.554	7.554 (0.594)	67	1914738	50.0000	53.563	80.00- 120.00	100.00
7.554	7.554 (0.594)	69	610316			0.00- 81.02	31.87
7.471	7.471 (0.587)	35	4502			0.00- 50.24	0.24
41 Freon123a					CAS #: 354-23-4		
8.383	8.383 (0.659)	67	1404023	50.0000	53.533	80.00- 120.00	100.00
8.383	8.383 (0.659)	117	1151327			29.99- 129.99	82.00
42 Freon123					CAS #: 306-83-2		
8.521	8.521 (0.670)	83	1888049	50.0000	54.264	80.00- 120.00	100.00
8.549	8.549 (0.672)	133	362406			0.00- 72.18	19.19
8.521	8.521 (0.670)	85	1318867			19.24- 119.24	69.85
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
10.015	10.015 (0.787)	59	1031662	50.0000	48.812	80.00- 120.00	100.00
9.987	9.987 (0.785)	41	222981			0.00- 81.33	21.61
10.015	10.015 (0.787)	57	99329			0.00- 59.79	9.63
68 Isopropyl ether					CAS #: 108-20-3		
11.148	11.148 (0.876)	45	4129609	50.0000	55.246	80.00- 120.00	100.00
11.148	11.148 (0.876)	87	876286			0.00- 72.23	21.22
11.148	11.148 (0.876)	59	387849			0.00- 62.61	9.39
66 1-Propanol					CAS #: 71-23-8		
11.259	11.259 (0.885)	42	298332	50.0000	60.817	80.00- 120.00	100.00
11.259	11.259 (0.885)	59	370501			149.86- 249.86	124.19
11.148	11.148 (0.876)	41	843570			286.17- 386.17	282.76
72 t-Butylethyl Ether					CAS #: 637-92-3		
11.784	11.784 (0.926)	59	1894304	50.0000	51.600	80.00- 120.00	100.00
11.784	11.784 (0.926)	87	645801			0.00- 83.27	34.09
11.784	11.784 (0.926)	41	341969			0.00- 70.32	18.05
74 Ethyl Acetate					CAS #: 141-78-6		
12.254	12.254 (0.963)	45	422832	50.0000	53.614	80.00- 120.00	100.00
12.254	12.254 (0.963)	61	411451			33.72- 133.72	97.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
74 Ethyl Acetate (continued)							
12.254	12.254 (0.963)	43	2992656			596.03- 696.03	707.76
88 Isobutanol					CAS #: 78-83-1		
13.471	13.471 (0.929)	43	1033164	50.0000	62.567	80.00- 120.00	100.00
13.471	13.471 (0.929)	41	778463			29.63- 129.63	75.35
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
13.885	13.885 (0.958)	73	1636464	50.0000	51.908	80.00- 120.00	100.00
13.885	13.885 (0.958)	87	381150			0.00- 73.84	23.29
13.885	13.885 (0.958)	55	491395			0.00- 81.92	30.03
98 1-Butanol					CAS #: 71-36-3		
14.687	14.687 (1.013)	56	839983	50.0000	65.562	80.00- 120.00	100.00
14.687	14.687 (1.013)	41	622304			25.67- 125.67	74.09
14.687	14.687 (1.013)	43	458449			5.26- 105.26	54.58
122 Butyl Acetate					CAS #: 123-86-4		
18.503	18.503 (1.277)	56	1054745	50.0000	57.842	80.00- 120.00	100.00
18.503	18.503 (1.277)	73	270868			0.00- 75.68	25.68
18.503	18.503 (1.277)	43	2626447			199.01- 299.01	249.01
97 2-Heptanone					CAS #: 110-43-0		
20.991	20.991 (1.062)	58	1590416	50.0000	63.542	80.00- 120.00	100.00
20.991	20.991 (1.062)	43	2474573			112.45- 212.45	155.59
136 Cyclohexanone					CAS #: 108-94-1		
21.793	21.793 (1.102)	55	1238194	50.0000	57.885	80.00- 120.00	100.00
21.793	21.793 (1.102)	98	490852			0.00- 89.25	39.64
21.793	21.793 (1.102)	42	873467			19.36- 119.36	70.54
143 Diisobutyl Ketone					CAS #: 108-83-8		
22.706	22.706 (1.148)	57	2795714	50.0000	56.813	80.00- 120.00	100.00
22.706	22.706 (1.148)	85	2068647			25.15- 125.15	73.99
22.706	22.706 (1.148)	142	293011			0.00- 60.00	10.48

Report Date: 23-Jul-2007 11:33

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1072011.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-20jul.b/t14q719b.m
Misc Info: 200ppbv-->50ppbv

Calibration Date: 20-JUL-2007
Calibration Time: 17:24
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	310592	186355	434829	310592	0.00
96 1,4-Difluorobenze	1160591	696355	1624827	1160591	0.00
125 Chlorobenzene-d5	855012	513007	1197017	855012	0.00

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

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

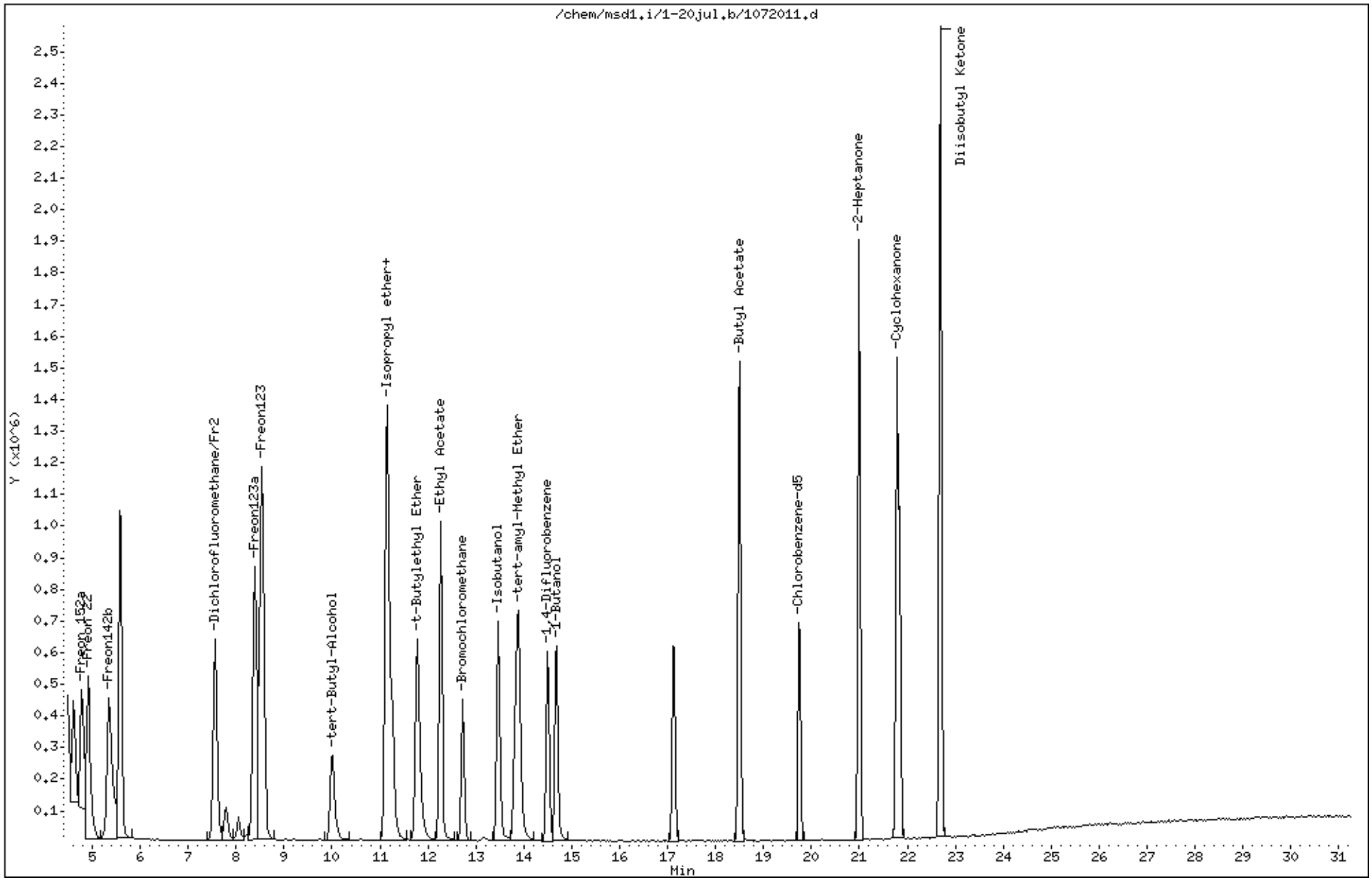
0133

Data File: /chem/msd1.i/1-20jul.b/1072011.d
Date : 20-JUL-2007 17:24
Client ID: Level 5
Sample Info: 50mL #1487-341

Instrument: msd1.i

Operator: kr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071909.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 19-JUL-2007 16:09
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-190
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:04 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 16:09 Cal File: 1071909.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane					CAS #: 74-97-5			
12.724	12.724 (1.000)	130	330967	25.0000		80.00- 120.00		100.00
12.724	12.724 (1.000)	128	249472			25.38- 125.38		75.38
12.724	12.724 (1.000)	49	860417			209.97- 309.97		259.97
* 96 1,4-Difluorobenzene					CAS #: 540-36-3			
14.494	14.494 (1.000)	114	1232867	25.0000		80.00- 120.00		100.00
14.494	14.494 (1.000)	88	196876			0.00- 65.97		15.97
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
19.775	19.775 (1.000)	117	895361	25.0000		80.00- 120.00		100.00
19.747	19.747 (1.000)	82	474353			3.20- 103.20		52.98
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
13.803	13.803 (1.085)	65	461253	25.0000	24.428	80.00- 120.00		100.00
13.803	13.803 (1.085)	67	252279			0.45- 100.45		54.69
$ 113 Toluene-d8					CAS #: 2037-26-5			
17.148	17.148 (1.183)	98	1045515	25.0000	25.679	80.00- 120.00		100.00
17.120	17.120 (1.181)	70	115436			0.00- 61.25		11.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.148	17.148 (1.183)	100	736454			21.02- 121.02	70.44
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
21.849	21.849 (1.105)	174	499551	25.0000	25.196	80.00- 120.00	100.00
21.849	21.849 (1.105)	95	690066			88.14- 188.14	138.14
21.849	21.849 (1.105)	176	483218			46.73- 146.73	96.73
12 Propylene						CAS #: 115-07-1	
4.761	4.761 (0.374)	41	1024300	50.0000	49.303	80.00- 120.00	100.00
4.761	4.761 (0.374)	42	692606			20.81- 120.81	67.62
4.761	4.761 (0.374)	39	819909			30.06- 130.06	80.05
15 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
4.872	4.872 (0.383)	85	2990230	50.0000	49.967	80.00- 120.00	100.00
4.872	4.872 (0.383)	87	964205			0.00- 82.04	32.25
18 Freon 114						CAS #: 76-14-2	
5.204	5.204 (0.409)	135	2235288	50.0000	51.975	80.00- 120.00	100.00
5.204	5.204 (0.409)	137	713517			0.00- 81.92	31.92
19 Chloromethane						CAS #: 74-87-3	
5.425	5.425 (0.426)	50	1298169	50.0000	46.950	80.00- 120.00	100.00
5.425	5.425 (0.426)	52	418404			0.00- 82.26	32.23
22 Vinyl Chloride						CAS #: 75-01-4	
5.784	5.784 (0.455)	62	1383669	50.0000	52.150	80.00- 120.00	100.00
5.784	5.784 (0.455)	64	421020			0.00- 82.33	30.43
23 1,3-Butadiene						CAS #: 106-99-0	
5.812	5.812 (0.457)	54	1097660	50.0000	54.287	80.00- 120.00	100.00
5.812	5.812 (0.457)	39	1076520			53.60- 153.60	98.07
27 Bromomethane						CAS #: 74-83-9	
6.780	6.780 (0.533)	94	1165362	50.0000	52.413	80.00- 120.00	100.00
6.780	6.780 (0.533)	96	1083521			42.98- 142.98	92.98
30 Chloroethane						CAS #: 75-00-3	
7.056	7.056 (0.555)	64	657982	50.0000	45.461	80.00- 120.00	100.00
7.056	7.056 (0.555)	49	211711			0.00- 81.31	32.18
7.028	7.028 (0.552)	66	201163			0.00- 80.91	30.57
32 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
7.581	7.581 (0.596)	101	3175505	50.0000	52.755	80.00- 120.00	100.00
7.581	7.581 (0.596)	103	2052445			14.63- 114.63	64.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	461967	50.0000	49.970	80.00- 120.00	100.00
8.051	8.051 (0.633)	43	96811			0.00- 71.50	20.96
8.051	8.051 (0.633)	46	164982			0.00- 85.18	35.71
44 Freon 113					CAS #: 76-13-1		
8.770	8.770 (0.689)	151	1755078	50.0000	53.770	80.00- 120.00	100.00
8.770	8.770 (0.689)	153	1133225			14.57- 114.57	64.57
8.770	8.770 (0.689)	101	2270180			79.35- 179.35	129.35
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	2172167	50.0000	52.301	80.00- 120.00	100.00
8.853	8.853 (0.696)	96	1192789			4.91- 104.91	54.91
8.853	8.853 (0.696)	98	770042			0.00- 85.45	35.45
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	649678	50.0000	51.743	80.00- 120.00	100.00
9.019	9.019 (0.709)	43	2115979			283.46- 383.46	325.70
47 2-Propanol					CAS #: 67-63-0		
9.213	9.213 (0.724)	45	2393860	50.0000	54.724	80.00- 120.00	100.00
9.213	9.213 (0.724)	43	563450			0.00- 77.73	23.54
9.213	9.213 (0.724)	59	85995			0.00- 53.93	3.59
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	3811252	50.0000	49.179	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	556709	50.0000	54.673	80.00- 120.00	100.00
9.655	9.655 (0.759)	41	1843908			285.25- 385.25	331.22
56 Methylene Chloride					CAS #: 75-09-2		
9.932	9.932 (0.781)	49	1680147	50.0000	44.990	80.00- 120.00	100.00
9.959	9.959 (0.783)	84	1039190			11.85- 111.85	61.85
9.932	9.932 (0.781)	51	518177			0.00- 81.95	30.84
60 MTBE					CAS #: 1634-04-4		
10.319	10.319 (0.811)	73	1117901	50.0000	49.173	80.00- 120.00	100.00
10.291	10.291 (0.809)	57	291227			0.00- 76.05	26.05
10.291	10.291 (0.809)	41	305387			0.00- 89.18	27.32
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.402	10.402 (0.817)	96	1366921	50.0000	47.695	80.00- 120.00	100.00
10.402	10.402 (0.817)	61	2150115			107.30- 207.30	157.30
10.402	10.402 (0.817)	98	874608			5.16- 105.16	63.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.761	10.761 (0.846)	57	2263140	50.0000	54.765	80.00- 120.00	100.00
10.761	10.761 (0.846)	43	1440524			17.51- 117.51	63.65
10.761	10.761 (0.846)	86	276109			0.00- 62.51	12.20
69 Vinyl Acetate					CAS #: 108-05-4		
11.231	11.231 (0.883)	86	268660	50.0000	54.914	80.00- 120.00	100.00
11.231	11.231 (0.883)	43	3846943			1379.82-1479.82	1431.90
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	2540379	50.0000	54.172	80.00- 120.00	100.00
11.231	11.231 (0.883)	65	787243			0.00- 80.99	30.99
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	563873	50.0000	59.463	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	2827414			451.43- 551.43	501.43
12.254	12.254 (0.963)	57	207826			0.00- 91.55	36.86
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	1920993	50.0000	56.151	80.00- 120.00	100.00
12.282	12.282 (0.965)	96	1319697			18.70- 118.70	68.70
12.282	12.282 (0.965)	98	826727			0.00- 93.04	43.04
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	1580212	50.0000	49.003	80.00- 120.00	100.00
12.724	12.724 (1.000)	71	549802			0.00- 84.79	34.79
12.724	12.724 (1.000)	72	566357			0.00- 86.98	35.84
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	2414793	50.0000	54.740	80.00- 120.00	100.00
12.807	12.807 (1.007)	85	1549799			14.18- 114.18	64.18
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	2216328	50.0000	54.579	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1401179			13.22- 113.22	63.22
84 Cyclohexane					CAS #: 110-82-7		
13.167	13.167 (1.035)	84	1409452	50.0000	52.700	80.00- 120.00	100.00
13.167	13.167 (1.035)	56	2017015			93.11- 193.11	143.11
13.167	13.167 (1.035)	41	1135706			30.58- 130.58	80.58
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	2170627	50.0000	54.846	80.00- 120.00	100.00
13.415	13.415 (1.054)	117	2260302			54.13- 154.13	104.13
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3379234	50.0000	54.365	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	738122			0.00- 72.06	21.84
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	5292782	50.0000	56.437	80.00- 120.00	100.00
13.747	13.747 (0.948)	56	1801654			0.00- 85.97	34.04
13.747	13.747 (0.948)	41	1488721			0.00- 81.38	28.13
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	1735887	50.0000	55.045	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	540413			0.00- 83.07	31.13
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	962182	50.0000	56.640	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2123566			176.85- 276.85	220.70
14.051	14.051 (0.969)	57	1141731			76.11- 176.11	118.66
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1344193	50.0000	52.876	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1332218			49.11- 149.11	99.11
14.964	14.964 (1.032)	97	873441			14.98- 114.98	64.98
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.462	15.462 (1.067)	63	1226973	50.0000	57.548	80.00- 120.00	100.00
15.462	15.462 (1.067)	62	917396			24.77- 124.77	74.77
15.462	15.462 (1.067)	41	848447			19.15- 119.15	69.15
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	679304	50.0000	54.929	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	505888			24.47- 124.47	74.47
15.600	15.600 (1.076)	57	190968			0.00- 75.89	28.11
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2283348	50.0000	56.244	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1456973			13.81- 113.81	63.81
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	1750797	50.0000	57.700	80.00- 120.00	100.00
16.706	16.706 (1.153)	77	548853			0.00- 81.35	31.35
16.706	16.706 (1.153)	39	1209260			19.07- 119.07	69.07
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	970664	50.0000	64.782	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	2581249			233.25- 333.25	265.93
16.899	16.899 (1.166)	85	350486			0.00- 84.92	36.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	3319361	50.0000	55.884	80.00- 120.00	100.00
17.259	17.259 (1.191)	92	2038645			11.42- 111.42	61.42
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	1746532	50.0000	56.368	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	562649			0.00- 82.22	32.22
17.701	17.701 (0.895)	39	1163507			16.62- 116.62	66.62
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	1266620	50.0000	52.859	80.00- 120.00	100.00
18.033	18.033 (0.912)	99	790840			12.44- 112.44	62.44
18.033	18.033 (0.912)	83	1062108			33.85- 133.85	83.85
119 Tetrachloroethene					CAS #: 127-18-4		
18.226	18.226 (0.922)	166	1547994	50.0000	54.273	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	1159115			24.88- 124.88	74.88
18.199	18.199 (0.920)	131	1162154			25.07- 125.07	75.07
120 2-Hexanone					CAS #: 591-78-6		
18.365	18.365 (0.929)	58	1330730	50.0000	55.459	80.00- 120.00	100.00
18.365	18.365 (0.929)	43	2556752			142.13- 242.13	192.13
18.392	18.392 (0.930)	100	203665			0.00- 65.01	15.30
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	2111744	50.0000	55.609	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	1626918			29.33- 129.33	77.04
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.001 (0.961)	107	1957236	50.0000	54.748	80.00- 120.00	100.00
19.001	19.001 (0.961)	109	1846608			44.35- 144.35	94.35
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	2632396	50.0000	52.290	80.00- 120.00	100.00
19.802	19.802 (1.001)	114	863962			0.00- 82.82	32.82
19.802	19.802 (1.001)	77	1493655			6.74- 106.74	56.74
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1315118	50.0000	53.470	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	4088534			276.01- 376.01	310.89
130 m,p-Xylene					CAS #: 108-38-3		
20.107	20.107 (1.017)	106	1697644	50.0000	52.902	80.00- 120.00	100.00
20.107	20.107 (1.017)	91	3257740			145.55- 245.55	191.90
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	1554264	50.0000	51.960	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	3148088			152.55- 252.55	202.55
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	2733000	50.0000	56.207	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	1291363			0.00- 97.25	47.25
133 Bromoform					CAS #: 75-25-2		
21.296	21.296 (1.077)	173	1817714	50.0000	56.665	80.00- 120.00	100.00
21.296	21.296 (1.077)	171	945064			1.99- 101.99	51.99
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	4159768	50.0000	51.116	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	1062241			0.00- 76.27	25.54
21.461	21.461 (1.085)	51	469090			0.00- 61.74	11.28
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	2567890	50.0000	51.443	80.00- 120.00	100.00
22.070	22.070 (1.116)	85	1651105			14.30- 114.30	64.30
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	5581524	50.0000	51.718	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	1277149			0.00- 72.98	22.88
22.208	22.208 (1.123)	105	214216			0.00- 54.18	3.84
144 4-Ethyltoluene					CAS #: 622-96-8		
22.402	22.402 (1.133)	105	5020142	50.0000	51.813	80.00- 120.00	100.00
22.402	22.402 (1.133)	120	1498531			0.00- 79.85	29.85
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	3761016	50.0000	48.116	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	1851623			0.31- 100.31	49.23
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	3888212	50.0000	48.705	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	1832521			0.00- 95.56	47.13
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	2987578	50.0000	49.298	80.00- 120.00	100.00
23.812	23.812 (1.204)	148	1907628			13.35- 113.35	63.85
23.812	23.812 (1.204)	111	1181034			0.00- 87.90	39.53
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.978	23.978 (1.213)	146	3059942	50.0000	50.557	80.00- 120.00	100.00
23.978	23.978 (1.213)	148	1934403			15.55- 115.55	63.22
23.978	23.978 (1.213)	111	1164820			0.00- 88.79	38.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	4262181	50.0000	54.239	80.00- 120.00	100.00
24.199	24.199 (1.224)	126	861677			0.00- 71.11	20.22
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	2809572	50.0000	48.521	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	1752029			12.36- 112.36	62.36
24.669	24.669 (1.247)	111	1130362			0.00- 90.23	40.23
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	1538903	50.0000	50.124	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	1427801			42.78- 142.78	92.78
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	1215023	50.0000	47.990	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	759932			13.89- 113.89	62.54
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	3583731	50.0000	52.216	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	444109			0.00- 66.70	12.39
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	1637792	50.0000	50.589	80.00- 120.00	100.00
7.056	7.056 (0.555)	57	1105847			17.07- 117.07	67.52
20 Butane					CAS #: 106-97-8		
5.674	5.674 (0.446)	58	217427	50.0000	46.793	80.00- 120.00	100.00
5.674	5.674 (0.446)	43	1953013			798.28- 898.28	898.24
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1557520	50.0000	56.930	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	662455			0.00- 96.36	42.53
15.240	15.240 (1.052)	55	1569536			55.48- 155.48	100.77

Report Date: 23-Jul-2007 11:04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071909.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	330967	0.00
96 1,4-Difluorobenze	1232867	739720	1726014	1232867	0.00
125 Chlorobenzene-d5	895361	537217	1253505	895361	0.00

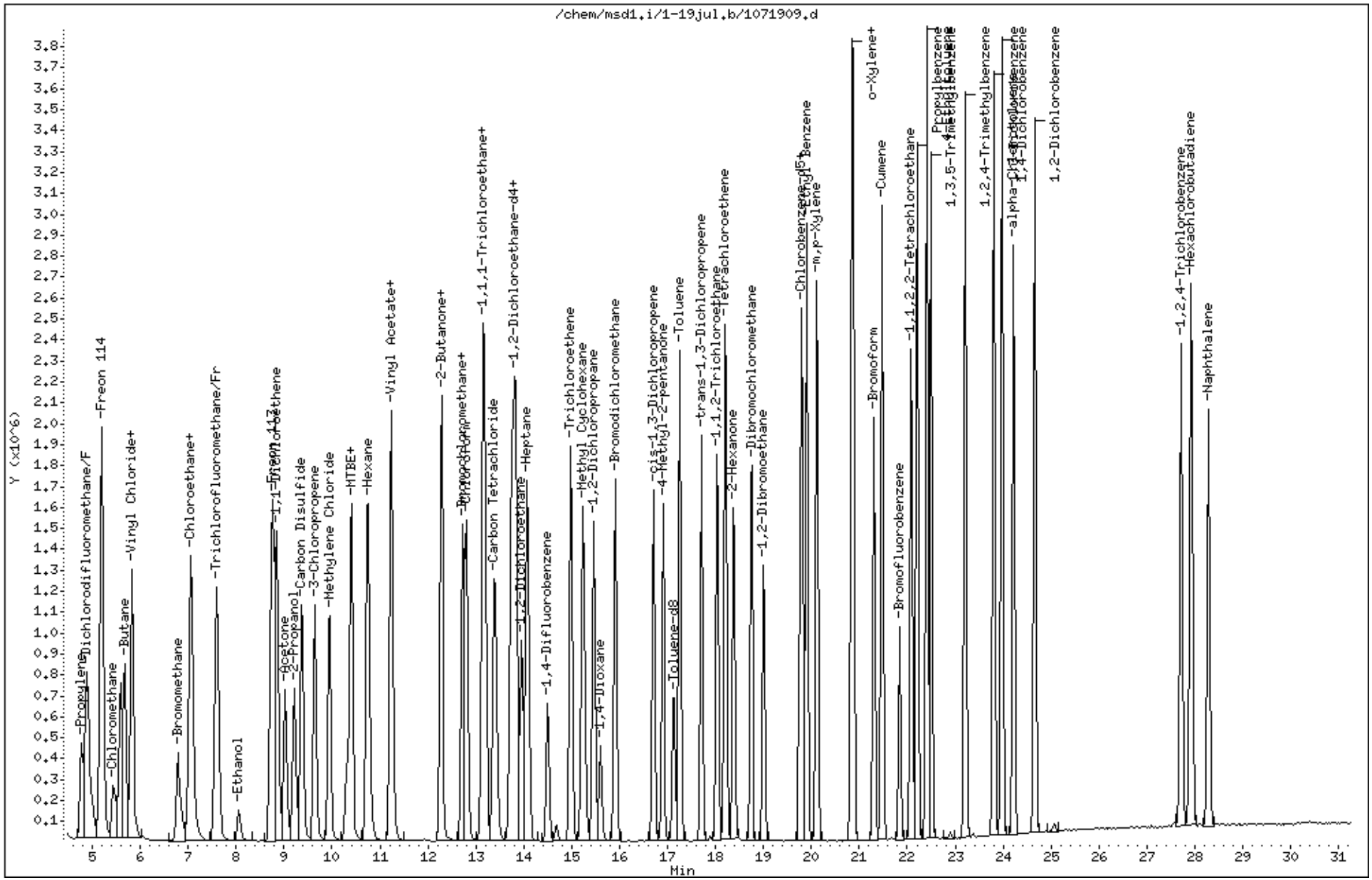
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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

Data File: /chem/msd1.i/1-19jul.b/1071909.d
Date : 19-JUL-2007 16:09
Client ID: Level 5
Sample Info: 50mL #1443-190

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071910.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 19-JUL-2007 16:47
Operator : kr Inst ID: msd1.i
Smp Info : 100mL #1443-190
Misc Info : 200ppbv -->100ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:04 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 16:47 Cal File: 1071910.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
* 80 Bromochloromethane						CAS #: 74-97-5		
12.724	12.724 (1.000)	130	313554	25.0000		50.00- 150.00		100.00
12.724	12.724 (1.000)	128	237009			28.34- 128.34		75.59
12.724	12.724 (1.000)	49	1094278			188.77- 288.77		348.99
* 96 1,4-Difluorobenzene						CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1179890	25.0000		50.00- 150.00		100.00
14.494	14.494 (1.000)	88	177602			0.00- 65.56		15.05
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	840693	25.0000		50.00- 150.00		100.00
19.747	19.747 (1.000)	82	454090			3.36- 103.36		54.01
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
13.803	13.803 (1.085)	65	461761	25.0000	25.646	50.00- 150.00		100.00
13.803	13.803 (1.085)	67	277492			2.38- 102.38		60.09
$ 113 Toluene-d8						CAS #: 2037-26-5		
17.120	17.120 (1.181)	98	1008187	25.0000	25.694	50.00- 150.00		100.00
17.120	17.120 (1.181)	70	110701			0.00- 61.20		10.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	712450			20.95- 120.95	70.67
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.849	21.849 (1.105)	174	484333	25.0000	25.807	50.00- 150.00	100.00
21.849	21.849 (1.105)	95	686655			87.77- 187.77	141.77
21.849	21.849 (1.105)	176	474643			46.40- 146.40	98.00
12 Propylene					CAS #: 115-07-1		
4.734	4.734 (0.372)	41	1967300	100.000	99.964	50.00- 150.00	100.00
4.761	4.761 (0.374)	42	1334399			20.07- 120.07	67.83
4.734	4.734 (0.372)	39	1537001			29.57- 129.57	78.13
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	5747403	100.000	101.10	50.00- 150.00	100.00
4.844	4.844 (0.381)	87	1837998			0.00- 82.03	31.98
18 Freon 114					CAS #: 76-14-2		
5.204	5.204 (0.409)	135	4279843	100.000	103.99	50.00- 150.00	100.00
5.204	5.204 (0.409)	137	1348141			0.00- 81.80	31.50
19 Chloromethane					CAS #: 74-87-3		
5.425	5.425 (0.426)	50	2486028	100.000	96.128	50.00- 150.00	100.00
5.425	5.425 (0.426)	52	804414			0.00- 82.28	32.36
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	2615840	100.000	103.22	50.00- 150.00	100.00
5.784	5.784 (0.455)	64	788990			0.00- 81.90	30.16
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	2112425	100.000	108.05	50.00- 150.00	100.00
5.812	5.812 (0.457)	39	2111647			52.87- 152.87	99.96
27 Bromomethane					CAS #: 74-83-9		
6.752	6.752 (0.531)	94	2189286	100.000	103.12	50.00- 150.00	100.00
6.752	6.752 (0.531)	96	2026996			45.78- 145.78	92.59
30 Chloroethane					CAS #: 75-00-3		
7.028	7.028 (0.552)	64	1241797	100.000	92.305	50.00- 150.00	100.00
7.056	7.056 (0.555)	49	412125			0.00- 81.78	33.19
7.056	7.056 (0.555)	66	369560			0.00- 80.63	29.76
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	6131823	100.000	105.93	50.00- 150.00	100.00
7.581	7.581 (0.596)	103	3920701			14.41- 114.41	63.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	902620	100.000	102.27	50.00- 150.00	100.00
8.051	8.051 (0.633)	43	194828			0.00- 71.52	21.58
8.051	8.051 (0.633)	46	321247			0.00- 85.28	35.59
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	3403187	100.000	107.88	50.00- 150.00	100.00
8.743	8.743 (0.687)	153	2151792			16.35- 116.35	63.23
8.743	8.743 (0.687)	101	4395902			82.21- 182.21	129.17
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	4156797	100.000	104.46	50.00- 150.00	100.00
8.853	8.853 (0.696)	96	2266826			5.91- 105.91	54.53
8.853	8.853 (0.696)	98	1460568			0.00- 85.20	35.14
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	1272694	100.000	105.15	50.00- 150.00	100.00
9.019	9.019 (0.709)	43	4240137			283.38- 383.38	333.16
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	4835248	100.000	112.00	50.00- 150.00	100.00
9.185	9.185 (0.722)	43	1089601			0.00- 76.43	22.53
9.185	9.185 (0.722)	59	179361			0.00- 53.87	3.71
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	7454519	100.000	101.22	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	1060900	100.000	107.30	50.00- 150.00	100.00
9.627	9.627 (0.757)	41	3610771			286.52- 386.52	340.35
56 Methylene Chloride					CAS #: 75-09-2		
9.932	9.932 (0.781)	49	3349394	100.000	95.690	50.00- 150.00	100.00
9.932	9.932 (0.781)	84	2049355			10.62- 110.62	61.19
9.932	9.932 (0.781)	51	1011624			0.00- 81.60	30.20
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	2091444	100.000	97.670	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	568788			0.00- 75.73	27.20
10.291	10.291 (0.809)	41	557341			0.00- 86.67	26.65
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	2604155	100.000	96.702	50.00- 150.00	100.00
10.374	10.374 (0.815)	61	4160732			93.92- 193.92	159.77
10.374	10.374 (0.815)	98	1644964			6.76- 106.76	63.17

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	4386285	100.000	109.40	50.00- 150.00	100.00
10.733	10.733 (0.844)	43	2777907			16.68- 116.68	63.33
10.733	10.733 (0.844)	86	529674			0.00- 62.42	12.08
69 Vinyl Acetate					CAS #: 108-05-4		
11.204	11.204 (0.880)	86	526750	100.000	109.90	50.00- 150.00	100.00
11.204	11.204 (0.880)	43	7726447			1389.07-1489.07	1466.81
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	4890741	100.000	107.91	50.00- 150.00	100.00
11.231	11.231 (0.883)	65	1477374			0.00- 80.26	30.21
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	1107195	100.000	117.77	50.00- 150.00	100.00
12.254	12.254 (0.963)	43	5565530			479.66- 579.66	502.67
12.254	12.254 (0.963)	57	414717			0.00- 90.73	37.46
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	3674259	100.000	110.41	50.00- 150.00	100.00
12.282	12.282 (0.965)	96	2465199			22.86- 122.86	67.09
12.282	12.282 (0.965)	98	1583298			0.00- 94.79	43.09
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	3108871	100.000	101.40	50.00- 150.00	100.00
12.724	12.724 (1.000)	71	1040518			0.00- 83.34	33.47
12.724	12.724 (1.000)	72	1112148			0.00- 86.73	35.77
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	4598024	100.000	107.86	50.00- 150.00	100.00
12.807	12.807 (1.007)	85	2975373			16.81- 116.81	64.71
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	4286616	100.000	108.94	50.00- 150.00	100.00
13.139	13.139 (1.033)	99	2718259			12.50- 112.50	63.41
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	2707666	100.000	105.42	50.00- 150.00	100.00
13.139	13.139 (1.033)	56	3929893			88.72- 188.72	145.14
13.139	13.139 (1.033)	41	2245832			34.18- 134.18	82.94
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	4177093	100.000	108.92	50.00- 150.00	100.00
13.388	13.388 (1.052)	117	4352301			54.12- 154.12	104.19
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	6444796	100.000	106.56	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	1427723			0.00- 72.08	22.15
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	10590410	100.000	113.90	50.00- 150.00	100.00
13.747	13.747 (0.948)	56	3558525			0.00- 85.50	33.60
13.747	13.747 (0.948)	41	2923529			0.00- 80.63	27.61
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	3367698	100.000	109.06	50.00- 150.00	100.00
13.941	13.941 (0.962)	64	1014377			0.00- 82.48	30.12
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	1842381	100.000	110.38	50.00- 150.00	100.00
14.051	14.051 (0.969)	43	4196485			177.03- 277.03	227.78
14.051	14.051 (0.969)	57	2237227			75.17- 175.17	121.43
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	2575783	100.000	104.64	50.00- 150.00	100.00
14.964	14.964 (1.032)	130	2510559			45.71- 145.71	97.47
14.964	14.964 (1.032)	97	1655154			13.66- 113.66	64.26
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.462	15.462 (1.067)	63	2331541	100.000	111.10	50.00- 150.00	100.00
15.462	15.462 (1.067)	62	1742015			25.77- 125.77	74.72
15.462	15.462 (1.067)	41	1662925			32.66- 132.66	71.32
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	1325784	100.000	108.75	50.00- 150.00	100.00
15.600	15.600 (1.076)	58	1006903			24.57- 124.57	75.95
15.600	15.600 (1.076)	57	374100			0.00- 76.47	28.22
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	4348239	100.000	109.31	50.00- 150.00	100.00
15.904	15.904 (1.097)	85	2778642			13.23- 113.23	63.90
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	3321372	100.000	111.18	50.00- 150.00	100.00
16.706	16.706 (1.153)	77	1037225			0.00- 80.86	31.23
16.706	16.706 (1.153)	39	2336190			23.02- 123.02	70.34
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	1931348	100.000	125.95	50.00- 150.00	100.00
16.899	16.899 (1.166)	43	5219291			230.65- 330.65	270.24
16.899	16.899 (1.166)	85	674590			0.00- 84.93	34.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	6295271	100.000	108.41	50.00- 150.00	100.00
17.259	17.259 (1.191)	92	3904144			12.16- 112.16	62.02
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	3338685	100.000	111.47	50.00- 150.00	100.00
17.701	17.701 (0.895)	77	1044939			0.00- 81.93	31.30
17.701	17.701 (0.895)	39	2264376			21.47- 121.47	67.82
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	2351357	100.000	103.58	50.00- 150.00	100.00
18.033	18.033 (0.912)	99	1446450			12.93- 112.93	61.52
18.033	18.033 (0.912)	83	1962170			32.93- 132.93	83.45
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.920)	166	2847358	100.000	104.99	50.00- 150.00	100.00
18.199	18.199 (0.920)	129	2147520			28.65- 128.65	75.42
18.199	18.199 (0.920)	131	2149909			25.09- 125.09	75.51
120 2-Hexanone					CAS #: 591-78-6		
18.365	18.365 (0.929)	58	2666361	100.000	113.16	50.00- 150.00	100.00
18.365	18.365 (0.929)	43	5136036			142.31- 242.31	192.62
18.392	18.392 (0.930)	100	392444			0.00- 64.94	14.72
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	3924208	100.000	107.89	50.00- 150.00	100.00
18.752	18.752 (0.948)	127	3061525			29.07- 129.07	78.02
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.001 (0.961)	107	3649708	100.000	106.86	50.00- 150.00	100.00
19.001	19.001 (0.961)	109	3428139			45.30- 145.30	93.93
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	4955643	100.000	103.84	50.00- 150.00	100.00
19.802	19.802 (1.001)	114	1586275			0.00- 83.60	32.01
19.802	19.802 (1.001)	77	2794591			16.68- 116.68	56.39
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	2490274	100.000	106.17	50.00- 150.00	100.00
19.913	19.913 (1.007)	91	7738674			272.96- 372.96	310.76
130 m,p-Xylene					CAS #: 108-38-3		
20.107	20.107 (1.017)	106	3231707	100.000	105.72	50.00- 150.00	100.00
20.107	20.107 (1.017)	91	6245726			145.09- 245.09	193.26
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	2955405	100.000	104.14	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	5956320			155.45- 255.45	201.54
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	5233288	100.000	111.37	50.00- 150.00	100.00
20.881	20.881 (1.056)	78	2499054			2.44- 102.44	47.75
133 Bromoform					CAS #: 75-25-2		
21.296	21.296 (1.077)	173	3437762	100.000	111.00	50.00- 150.00	100.00
21.296	21.296 (1.077)	171	1783198			3.77- 103.77	51.87
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	7953871	100.000	103.25	50.00- 150.00	100.00
21.461	21.461 (1.085)	120	2080533			0.00- 76.25	26.16
21.461	21.461 (1.085)	51	921439			0.00- 61.71	11.58
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.116)	83	4915510	100.000	103.86	50.00- 150.00	100.00
22.070	22.070 (1.116)	85	3144981			16.84- 116.84	63.98
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	10907855	100.000	106.02	50.00- 150.00	100.00
22.208	22.208 (1.123)	120	2449437			0.00- 72.87	22.46
22.208	22.208 (1.123)	105	393692			0.00- 54.06	3.61
144 4-Ethyltoluene					CAS #: 622-96-8		
22.402	22.402 (1.133)	105	9767188	100.000	105.80	50.00- 150.00	100.00
22.402	22.402 (1.133)	120	2901018			0.00- 81.10	29.70
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	7199704	100.000	98.473	50.00- 150.00	100.00
22.512	22.512 (1.138)	120	3583600			0.20- 100.20	49.77
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	7545299	100.000	100.53	50.00- 150.00	100.00
23.203	23.203 (1.173)	120	3527782			0.00- 95.80	46.75
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.204)	146	5849266	100.000	102.22	50.00- 150.00	100.00
23.812	23.812 (1.204)	148	3696483			13.32- 113.32	63.20
23.812	23.812 (1.204)	111	2268027			0.00- 88.08	38.77
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.978	23.978 (1.213)	146	6024729	100.000	104.75	50.00- 150.00	100.00
23.978	23.978 (1.213)	148	3815925			15.11- 115.11	63.34
23.978	23.978 (1.213)	111	2228791			0.00- 88.43	36.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.224)	91	8542602	100.000	112.24	50.00- 150.00	100.00
24.199	24.199 (1.224)	126	1736853			0.00- 70.95	20.33
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	5441522	100.000	100.07	50.00- 150.00	100.00
24.669	24.669 (1.247)	148	3451058			12.04- 112.04	63.42
24.669	24.669 (1.247)	111	2190851			0.00- 90.23	40.26
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	3100986	100.000	105.57	50.00- 150.00	100.00
27.710	27.710 (1.401)	182	2919058			44.76- 144.76	94.13
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	2305675	100.000	97.725	50.00- 150.00	100.00
27.904	27.904 (1.411)	223	1448974			13.63- 113.63	62.84
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	7563731	100.000	113.43	50.00- 150.00	100.00
28.291	28.291 (1.431)	127	937064			0.00- 65.84	12.39
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	3156118	100.000	102.16	50.00- 150.00	100.00
7.056	7.056 (0.555)	57	2134062			17.21- 117.21	67.62
20 Butane					CAS #: 106-97-8		
5.646	5.646 (0.444)	58	426282	100.000	97.608	50.00- 150.00	100.00
5.646	5.646 (0.444)	43	3862443			812.73- 912.73	906.08
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	3067331	100.000	113.26	50.00- 150.00	100.00
15.240	15.240 (1.052)	98	1319192			0.00- 95.69	43.01
15.240	15.240 (1.052)	55	3087486			54.52- 154.52	100.66

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071910.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv -->100ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	313554	-5.26
96 1,4-Difluorobenze	1232867	739720	1726014	1179890	-4.30
125 Chlorobenzene-d5	895361	537217	1253505	840693	-6.11

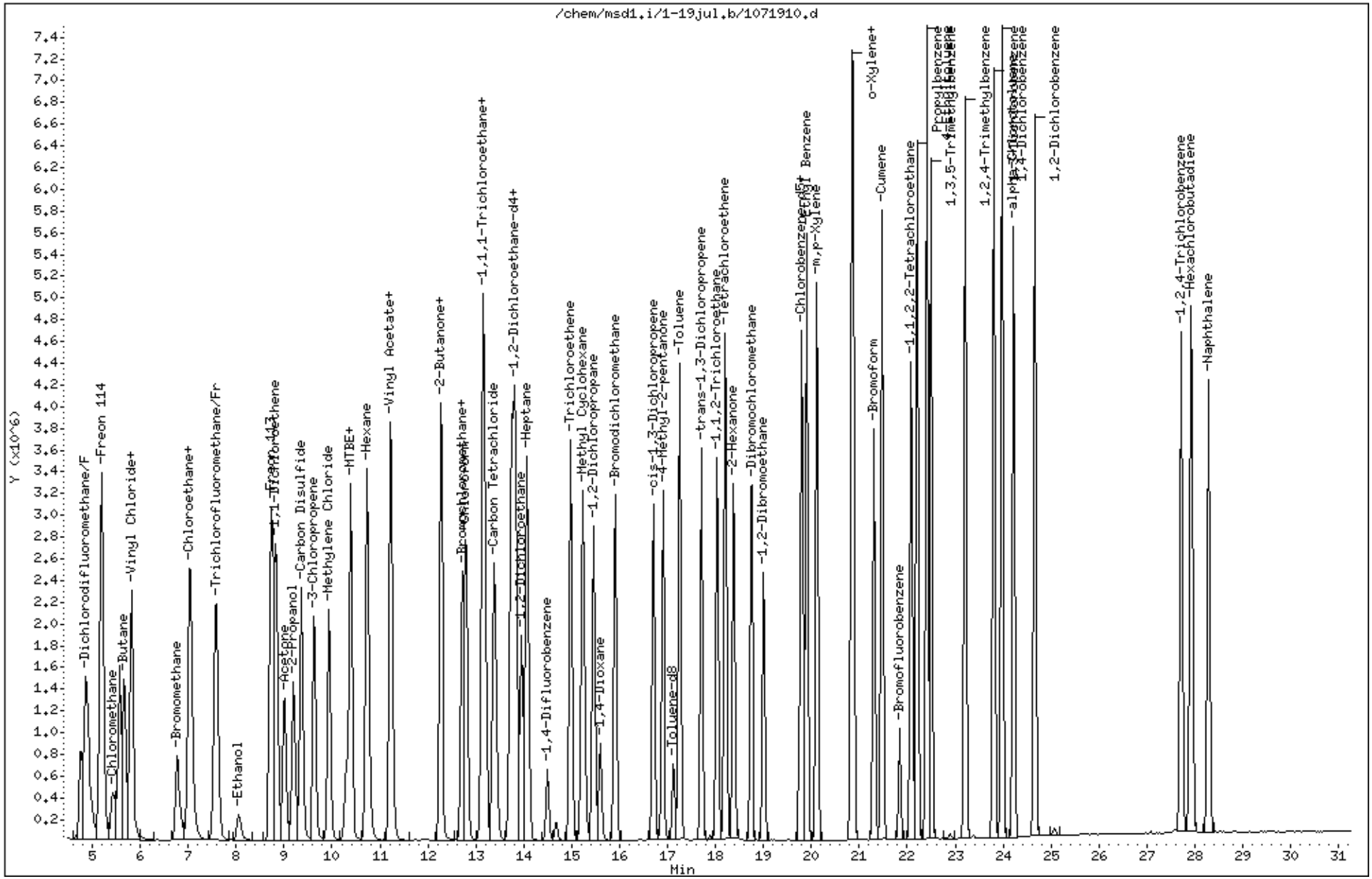
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.77	0.00

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

Data File: /chem/msd1.i/1-19jul.b/1071910.d
Date : 19-JUL-2007 16:47
Client ID: Level 6
Sample Info: 100mL #1443-190

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073007.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 30-JUL-2007 12:37
Operator : cb Inst ID: msd1.i
Smp Info : 200mL #1487-336
Misc Info : 200ppbv
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 11:24 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 12:37 Cal File: 1073007.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane					CAS #: 74-97-5			
12.724	12.724 (1.000)	130	286290	25.0000		50.00- 150.00		100.00
12.724	12.724 (1.000)	128	220617			28.67- 128.67		77.06
12.724	12.724 (1.000)	49	527809			173.00- 273.00		184.36
* 96 1,4-Difluorobenzene					CAS #: 540-36-3			
14.494	14.494 (1.000)	114	1073621	25.0000		50.00- 150.00		100.00
14.494	14.494 (1.000)	88	162888			0.00- 65.31		15.17
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
19.775	19.775 (1.000)	117	803802	25.0000		50.00- 150.00		100.00
19.747	19.747 (1.000)	82	425413			3.17- 103.17		52.93
76 2,2-Dichloropropane					CAS #: 594-20-7			
12.226	12.226 (0.961)	77	2498659	200.000	189.89	50.00- 150.00		100.00
12.226	12.226 (0.961)	79	809126			0.00- 82.81		32.38
12.254	12.254 (0.963)	97	521214			0.00- 66.97		20.86
87 1,1-Dichloropropene					CAS #: 563-58-6			
13.443	13.443 (0.928)	110	1845717	200.000	203.96	50.00- 150.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
87 1,1-Dichloropropene (continued)							
13.415	13.415 (0.926)	75	4842612			209.38- 309.38	262.37
121 1,3-Dichloropropane					CAS #: 142-28-9		
18.365	18.365 (1.267)	76	4693798	200.000	206.29	50.00- 150.00	100.00(A)
18.365	18.365 (1.267)	41	4276983			36.96- 136.96	91.12
18.365	18.365 (1.267)	78	1494921			0.00- 80.88	31.85
129 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
19.941	19.941 (1.008)	131	3569774	200.000	200.42	50.00- 150.00	100.00
19.941	19.941 (1.008)	117	2398240			21.89- 121.89	67.18
19.941	19.941 (1.008)	95	1317380			0.00- 88.89	36.90
140 Bromobenzene					CAS #: 108-86-1		
22.153	22.153 (1.120)	156	4118358	200.000	195.10	50.00- 150.00	100.00
22.153	22.153 (1.120)	158	3989456			49.93- 149.93	96.87
22.153	22.153 (1.120)	77	8304273			157.76- 257.76	201.64
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
22.208	22.208 (1.123)	110	2012284	200.000	190.28	50.00- 150.00	100.00
22.208	22.208 (1.123)	75	6041884			233.42- 333.42	300.25
22.208	22.208 (1.123)	61	1682025			33.04- 133.04	83.59
145 2-Chlorotoluene					CAS #: 95-49-8		
22.457	22.457 (1.136)	126	3402356	200.000	198.32	50.00- 150.00	100.00
22.457	22.457 (1.136)	91	10052925			245.40- 345.40	295.47
22.457	22.457 (1.136)	65	964491			0.00- 78.87	28.35
147 4-Chlorotoluene					CAS #: 106-43-4		
22.650	22.650 (1.145)	126	3239955	200.000	207.30	50.00- 150.00	100.00(A)
22.650	22.650 (1.145)	91	9759692			271.10- 371.10	301.23
22.650	22.650 (1.145)	63	1307950			0.00- 90.05	40.37
149 tert-Butylbenzene					CAS #: 98-06-6		
23.093	23.093 (1.168)	119	9870647	200.000	181.50	50.00- 150.00	100.00
23.093	23.093 (1.168)	134	2336389			0.00- 73.24	23.67
23.093	23.093 (1.168)	91	6651174			18.37- 118.37	67.38
151 Pentachloroethane					CAS #: 76-01-7		
23.231	23.231 (1.175)	167	3120549	200.000	189.16	50.00- 150.00	100.00
23.231	23.231 (1.175)	117	3435331			59.43- 159.43	110.09
23.231	23.231 (1.175)	169	1487426			0.00- 95.63	47.67
152 sec-Butylbenzene					CAS #: 135-98-8		
23.480	23.480 (1.187)	105	14319844	200.000	190.04	50.00- 150.00	100.00
23.480	23.480 (1.187)	134	2676368			0.00- 68.60	18.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene (continued)							
23.480	23.480 (1.187)	91	2115026			0.00- 66.10	14.77
155 p-Cymene					CAS #: 99-87-6		
23.729	23.729 (1.200)	119	12457336	200.000	195.98	50.00- 150.00	100.00
23.729	23.729 (1.200)	134	3272985			0.00- 77.53	26.27
23.729	23.729 (1.200)	91	2911264			0.00- 75.40	23.37
158 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
23.977	23.977 (1.213)	120	4226018	200.000	192.16	50.00- 150.00	100.00
23.977	23.977 (1.213)	105	9681588			169.83- 269.83	229.09
23.977	23.977 (1.213)	77	1149617			0.00- 80.01	27.20
161 Butylbenzene					CAS #: 104-51-8		
24.447	24.447 (1.236)	134	3130781	200.000	198.57	50.00- 150.00	100.00
24.447	24.447 (1.236)	91	12327532			334.06- 434.06	393.75
24.447	24.447 (1.236)	92	6825271			158.51- 258.51	218.01
164 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
26.134	26.134 (1.322)	157	3188410	200.000	212.16	50.00- 150.00	100.00(A)
26.106	26.106 (1.320)	75	2825851			47.24- 147.24	88.63
26.134	26.134 (1.322)	155	2539056			28.42- 128.42	79.63

QC Flag Legend

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

Report Date: 31-Jul-2007 11:24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073007.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv

Calibration Date: 30-JUL-2007
Calibration Time: 11:52
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	276120	165672	386568	286290	3.68
96 1,4-Difluorobenze	1023652	614191	1433113	1073621	4.88
125 Chlorobenzene-d5	778721	467233	1090209	803802	3.22

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.75	19.42	20.08	19.77	0.14

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.

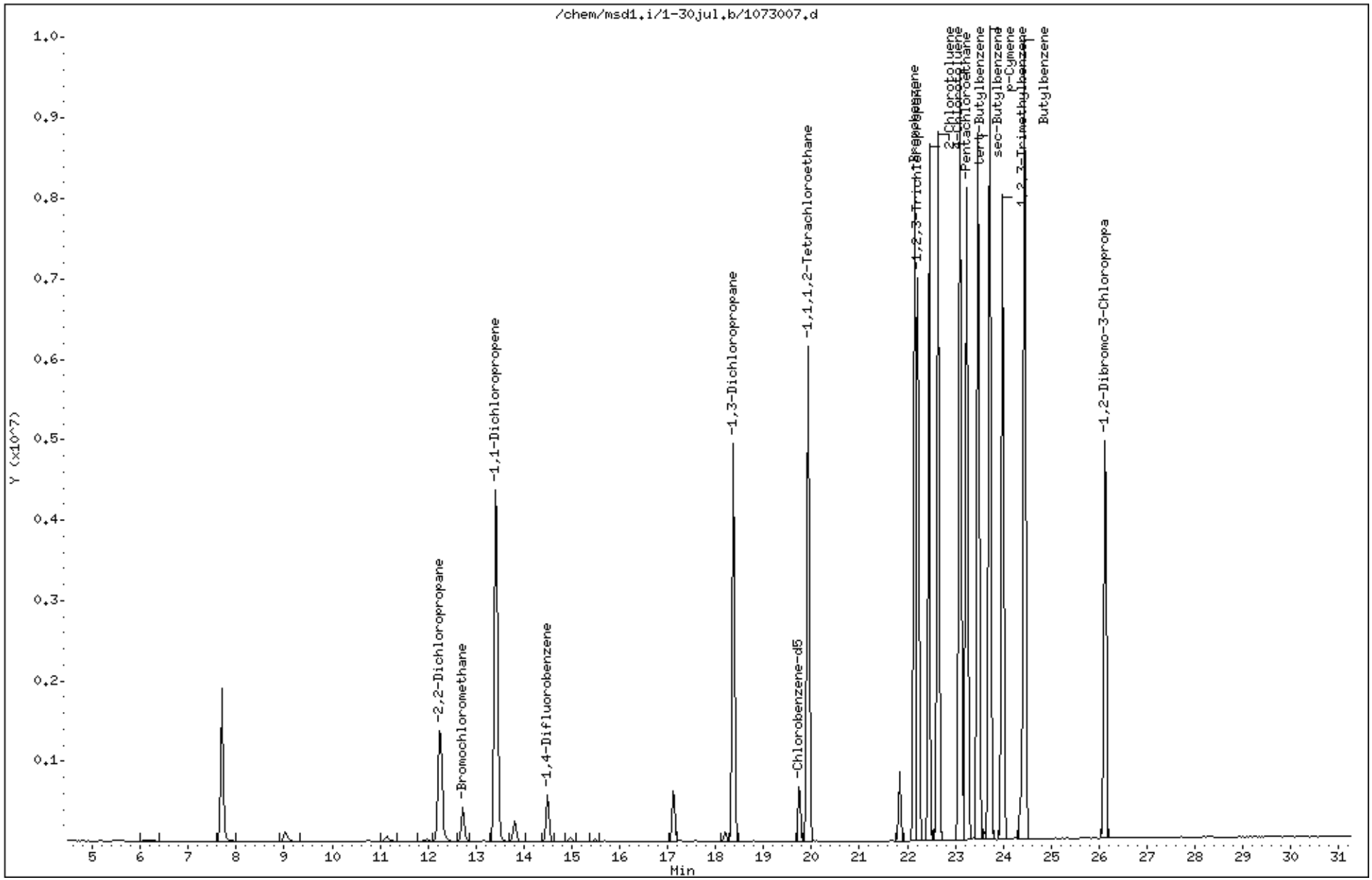
0158

Data File: /chem/msd1.i/1-30jul.b/1073007.d
Date : 30-JUL-2007 12:37
Client ID: Level 7
Sample Info: 200mL #1487-336

Column phase: RTx-624

Instrument: msd1.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-20jul.b/1072012.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 20-JUL-2007 18:02
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #1487-341
Misc Info : 200ppbv-->200ppbv
Comment :
Method : /chem/msd1.i/1-20jul.b/t14q719b.m
Meth Date : 23-Jul-2007 11:33 ctaylor Quant Type: ISTD
Cal Date : 20-JUL-2007 18:02 Cal File: 1072012.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	305264	25.0000		50.00- 150.00	100.00
12.724	12.724 (1.000)	128	239098			29.09- 129.09	78.32
12.724	12.724 (1.000)	49	540900			171.05- 271.05	177.19
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1157320	25.0000		50.00- 150.00	100.00
14.494	14.494 (1.000)	88	179473			0.00- 65.45	15.51
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.775	19.775 (1.000)	117	847808	25.0000		50.00- 150.00	100.00
19.747	19.747 (1.000)	82	452609			3.24- 103.24	53.39
13 Freon 152a					CAS #: 75-37-6		
4.789	4.789 (0.376)	65	2625448	200.000	209.12	50.00- 150.00	100.00(A)
4.789	4.789 (0.376)	51	4504346			140.42- 240.42	171.56
4.789	4.789 (0.376)	47	1449298			6.32- 106.32	55.20
16 Freon 22					CAS #: 75-45-6		
4.927	4.927 (0.387)	51	10845605	200.000	216.25	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Freon 22 (continued)							
4.927	4.927 (0.387)	67	987617			0.00- 60.30	9.11
4.955	4.955 (0.389)	85	107773			0.00- 51.15	0.99
6 Freon142b					CAS #: 75-68-3		
5.342	5.342 (0.420)	65	7413777	200.000	205.46	50.00- 150.00	100.00(A)
5.342	5.342 (0.420)	45	2241094			0.00- 83.38	30.23
5.342	5.342 (0.420)	85	999154			0.00- 63.78	13.48
33 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
7.581	7.581 (0.596)	67	7173710	200.000	202.77	50.00- 150.00	100.00
7.581	7.581 (0.596)	69	2285208			0.00- 81.02	31.86
0.000	1.000 (0.000)	35	0			0.00- 50.24	0.00
41 Freon123a					CAS #: 354-23-4		
8.383	8.383 (0.659)	67	5684800	200.000	213.24	50.00- 150.00	100.00(A)
8.383	8.383 (0.659)	117	4532719			29.99- 129.99	79.73
42 Freon123					CAS #: 306-83-2		
8.522	8.522 (0.670)	83	7456148	200.000	211.67	50.00- 150.00	100.00(A)
8.522	8.522 (0.670)	133	1416961			0.00- 72.18	19.00
8.522	8.522 (0.670)	85	5124340			19.24- 119.24	68.73
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
9.987	9.987 (0.785)	59	2974450	200.000	158.16	50.00- 150.00	100.00
9.987	9.987 (0.785)	41	627591			0.00- 81.33	21.10
9.987	9.987 (0.785)	57	292209			0.00- 59.79	9.82
68 Isopropyl ether					CAS #: 108-20-3		
11.121	11.121 (0.874)	45	17048089	200.000	220.28	50.00- 150.00	100.00(A)
11.148	11.148 (0.876)	87	3563721			0.00- 72.23	20.90
11.121	11.121 (0.874)	59	1691683			0.00- 62.61	9.92
66 1-Propanol					CAS #: 71-23-8		
11.259	11.259 (0.885)	42	1212354	200.000	231.60	50.00- 150.00	100.00(A)
11.259	11.259 (0.885)	59	1495582			149.86- 249.86	123.36
11.121	11.121 (0.874)	41	3419993			286.17- 386.17	282.10
72 t-Butylethyl Ether					CAS #: 637-92-3		
11.784	11.784 (0.926)	59	6866987	200.000	193.44	50.00- 150.00	100.00
11.784	11.784 (0.926)	87	2355783			0.00- 83.27	34.31
11.784	11.784 (0.926)	41	1234274			0.00- 70.32	17.97
74 Ethyl Acetate					CAS #: 141-78-6		
12.254	12.254 (0.963)	45	1751581	200.000	216.60	50.00- 150.00	100.00(A)
12.254	12.254 (0.963)	61	1653190			33.72- 133.72	94.38

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
74 Ethyl Acetate (continued)							
12.254	12.254 (0.963)	43	12374141			596.03- 696.03	706.46
88 Isobutanol					CAS #: 78-83-1		
13.471	13.471 (0.929)	43	4467701	200.000	242.50	50.00- 150.00	100.00(A)
13.471	13.471 (0.929)	41	3332982			29.63- 129.63	74.60
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
13.886	13.886 (0.958)	73	5450386	200.000	181.42	50.00- 150.00	100.00
13.886	13.886 (0.958)	87	1247413			0.00- 73.84	22.89
13.886	13.886 (0.958)	55	1590534			0.00- 81.92	29.18
98 1-Butanol					CAS #: 71-36-3		
14.660	14.660 (1.011)	56	3782334	200.000	255.20	50.00- 150.00	100.00(A)
14.660	14.660 (1.011)	41	2792283			25.67- 125.67	73.82
14.660	14.660 (1.011)	43	2132616			5.26- 105.26	56.38
122 Butyl Acetate					CAS #: 123-86-4		
18.503	18.503 (1.277)	56	4563683	200.000	231.32	50.00- 150.00	100.00(A)
18.503	18.503 (1.277)	73	1175482			0.00- 75.70	25.76
18.475	18.475 (1.275)	43	11671375			195.75- 295.75	255.74
97 2-Heptanone					CAS #: 110-43-0		
20.991	20.991 (1.062)	58	7182759	200.000	251.88	50.00- 150.00	100.00(A)
20.991	20.991 (1.062)	43	11391611			112.45- 212.45	158.60
136 Cyclohexanone					CAS #: 108-94-1		
21.793	21.793 (1.102)	55	5521420	200.000	236.54	50.00- 150.00	100.00(A)
21.793	21.793 (1.102)	98	2159641			0.00- 89.20	39.11
21.793	21.793 (1.102)	42	3862063			19.55- 119.55	69.95
143 Diisobutyl Ketone					CAS #: 108-83-8		
22.706	22.706 (1.148)	57	11387379	200.000	221.08	50.00- 150.00	100.00(A)
22.706	22.706 (1.148)	85	8375057			25.15- 125.15	73.55
22.706	22.706 (1.148)	142	1136086			0.00- 60.00	9.98

QC Flag Legend

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

Report Date: 23-Jul-2007 11:33

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1072012.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-20jul.b/t14q719b.m
Misc Info: 200ppbv-->200ppbv

Calibration Date: 20-JUL-2007
Calibration Time: 17:24
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	310592	186355	434829	305264	-1.72
96 1,4-Difluorobenze	1160591	696355	1624827	1157320	-0.28
125 Chlorobenzene-d5	855012	513007	1197017	847808	-0.84

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

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

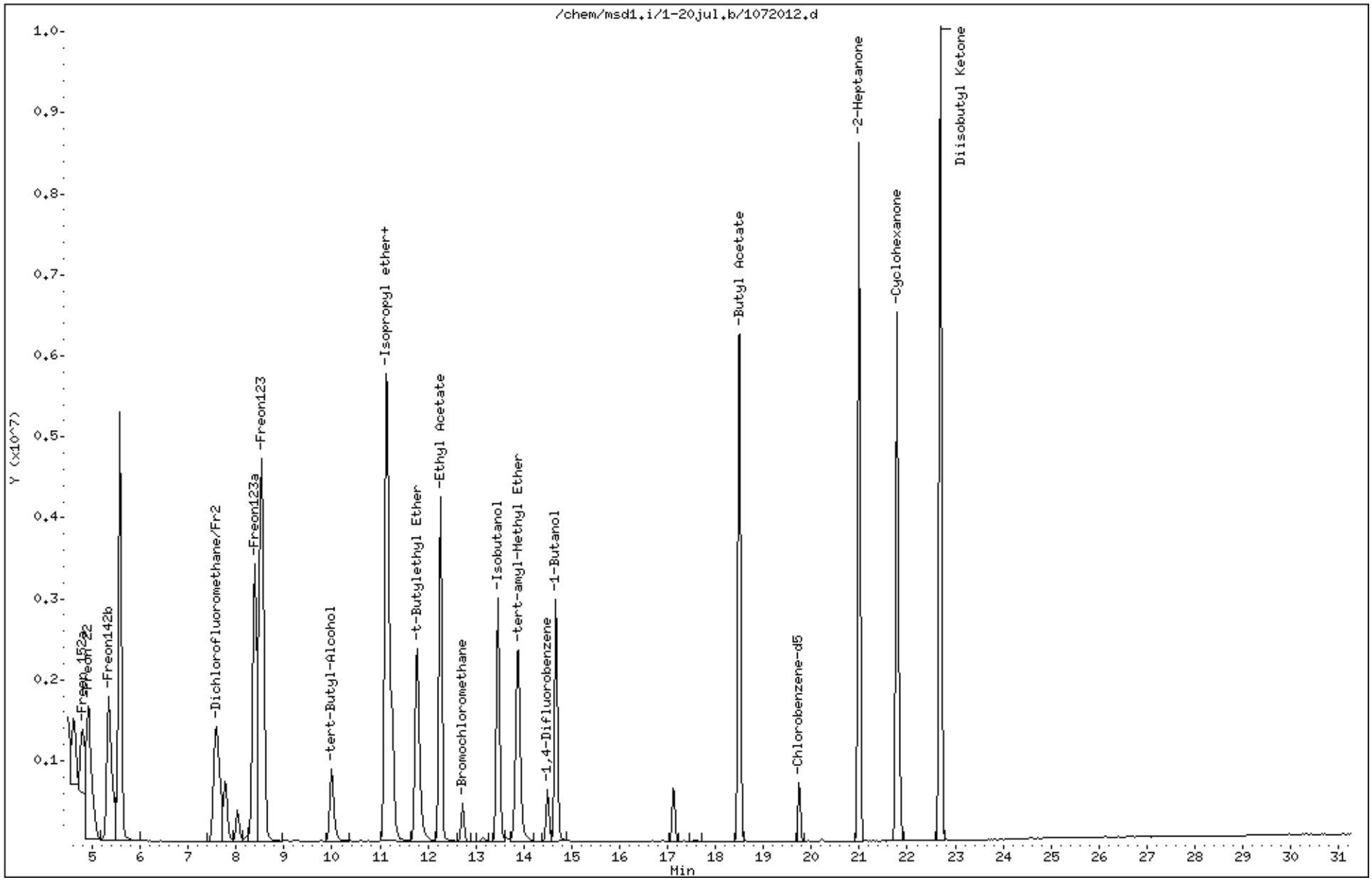
0163

Data File: /chem/msd1.i/1-20jul.b/1072012.d
Date : 20-JUL-2007 18:02
Client ID: Level 7
Sample Info: 200mL #1487-341

Column phase: RTx-624

Instrument: msd1.i

Operator: kr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-19jul.b/1071911.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 19-JUL-2007 17:25
Operator : kr Inst ID: msd1.i
Smp Info : 200mL #1443-190
Misc Info : 200ppbv -->200ppbv
Comment :
Method : /chem/msd1.i/1-19jul.b/t14q719a.m
Meth Date : 23-Jul-2007 11:04 ctaylor Quant Type: ISTD
Cal Date : 19-JUL-2007 17:25 Cal File: 1071911.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 80 Bromochloromethane					CAS #: 74-97-5			
12.724	12.724 (1.000)	130	288305	25.0000		50.00- 150.00		100.00
12.724	12.724 (1.000)	128	227093			28.34- 128.34		78.77
12.779	12.779 (1.000)	49	1624694			188.77- 288.77		563.53
* 96 1,4-Difluorobenzene					CAS #: 540-36-3			
14.494	14.494 (1.000)	114	1123707	25.0000		50.00- 150.00		100.00
14.494	14.494 (1.000)	88	176338			0.00- 65.56		15.69
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
19.747	19.747 (1.000)	117	818220	25.0000		50.00- 150.00		100.00
19.747	19.747 (1.000)	82	466245			3.36- 103.36		56.98
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
13.802	13.802 (1.085)	65	468538	25.0000	27.692	50.00- 150.00		100.00
13.802	13.802 (1.085)	67	338175			2.38- 102.38		72.18
$ 113 Toluene-d8					CAS #: 2037-26-5			
17.120	17.120 (1.181)	98	996647	25.0000	26.376	50.00- 150.00		100.00
17.120	17.120 (1.181)	70	111856			0.00- 61.20		11.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	682648			20.95- 120.95	68.49
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.106)	174	476664	25.0000	25.906	50.00- 150.00	100.00
21.848	21.848 (1.106)	95	631366			87.77- 187.77	132.46
21.848	21.848 (1.106)	176	448903			46.40- 146.40	94.18
12 Propylene					CAS #: 115-07-1		
4.761	4.761 (0.374)	41	3884170	200.000	211.55	50.00- 150.00	100.00(A)
4.761	4.761 (0.374)	42	2711048			20.07- 120.07	69.80
4.761	4.761 (0.374)	39	3042643			29.57- 129.57	78.33
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	11023729	200.000	208.99	50.00- 150.00	100.00(A)
4.872	4.872 (0.383)	87	3556501			0.00- 82.03	32.26
18 Freon 114					CAS #: 76-14-2		
5.231	5.231 (0.411)	135	7940572	200.000	208.13	50.00- 150.00	100.00(A)
5.231	5.231 (0.411)	137	2539672			0.00- 81.80	31.98
19 Chloromethane					CAS #: 74-87-3		
5.480	5.480 (0.431)	50	4712235	200.000	198.53	50.00- 150.00	100.00
5.480	5.480 (0.431)	52	1537617			0.00- 82.28	32.63
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	5037090	200.000	213.30	50.00- 150.00	100.00(A)
5.784	5.784 (0.455)	64	1527665			0.00- 81.90	30.33
23 1,3-Butadiene					CAS #: 106-99-0		
5.839	5.839 (0.459)	54	4300390	200.000	231.66	50.00- 150.00	100.00(A)
5.812	5.812 (0.457)	39	4255057			52.87- 152.87	98.95
27 Bromomethane					CAS #: 74-83-9		
6.752	6.752 (0.531)	94	4271801	200.000	215.45	50.00- 150.00	100.00(A)
6.780	6.780 (0.533)	96	3998971			45.78- 145.78	93.61
30 Chloroethane					CAS #: 75-00-3		
7.056	7.056 (0.555)	64	2413632	200.000	195.92	50.00- 150.00	100.00
7.056	7.056 (0.555)	49	818357			0.00- 81.78	33.91
7.056	7.056 (0.555)	66	735870			0.00- 80.60	30.49
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	12032161	200.000	221.26	50.00- 150.00	100.00(A)
7.581	7.581 (0.596)	103	7687547			14.41- 114.41	63.89

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.079	8.079 (0.635)	45	1801813	200.000	217.25	50.00- 150.00	100.00(A)
8.079	8.079 (0.635)	43	359233			0.00- 71.52	19.94
8.079	8.079 (0.635)	46	643633			0.00- 85.28	35.72
44 Freon 113					CAS #: 76-13-1		
8.743	8.743 (0.687)	151	6557923	200.000	221.28	50.00- 150.00	100.00(A)
8.743	8.743 (0.687)	153	4135397			16.35- 116.35	63.06
8.743	8.743 (0.687)	101	8397536			82.21- 182.21	128.05
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	8298846	200.000	221.87	50.00- 150.00	100.00(A)
8.853	8.853 (0.696)	96	4416923			5.91- 105.91	53.22
8.853	8.853 (0.696)	98	2797917			0.00- 85.20	33.71
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	2594671	200.000	225.67	50.00- 150.00	100.00(A)
9.019	9.019 (0.709)	43	8728820			283.38- 383.38	336.41
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	10022784	200.000	239.91	50.00- 150.00	100.00(A)
9.185	9.185 (0.722)	43	2121258			0.00- 76.43	21.16
9.185	9.185 (0.722)	59	356179			0.00- 53.87	3.55
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	14909925	200.000	216.54	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	2072645	200.000	221.78	50.00- 150.00	100.00(A)
9.627	9.627 (0.757)	41	7224488			286.52- 386.52	348.56
56 Methylene Chloride					CAS #: 75-09-2		
9.959	9.959 (0.783)	49	6634208	200.000	205.08	50.00- 150.00	100.00(A)
9.959	9.959 (0.783)	84	3972359			10.62- 110.62	59.88
9.959	9.959 (0.783)	51	2005958			0.00- 81.60	30.24
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	3766720	200.000	192.70	50.00- 150.00	100.00
10.291	10.291 (0.809)	57	1015640			0.00- 75.73	26.96
10.291	10.291 (0.809)	41	1017352			0.00- 86.67	27.01
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	5063717	200.000	203.74	50.00- 150.00	100.00(A)
10.374	10.374 (0.815)	61	8249040			93.92- 193.92	162.90
10.374	10.374 (0.815)	98	3181237			6.76- 106.76	62.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	8652950	200.000	228.12	50.00- 150.00	100.00(A)
10.733	10.733 (0.844)	43	5515189			16.68- 116.68	63.74
10.733	10.733 (0.844)	86	1029122			0.00- 62.42	11.89
69 Vinyl Acetate					CAS #: 108-05-4		
11.203	11.203 (0.880)	86	1053537	200.000	230.07	50.00- 150.00	100.00(A)
11.203	11.203 (0.880)	43	15584125			1389.07-1489.07	1479.22
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	9484701	200.000	222.48	50.00- 150.00	100.00(A)
11.231	11.231 (0.883)	65	2867967			0.00- 80.26	30.24
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	2162572	200.000	240.13	50.00- 150.00	100.00(A)
12.254	12.254 (0.963)	43	11191071			479.66- 579.66	517.49
12.254	12.254 (0.963)	57	813785			0.00- 90.73	37.63
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	7139319	200.000	227.02	50.00- 150.00	100.00(A)
12.282	12.282 (0.965)	96	4720708			22.86- 122.86	66.12
12.282	12.282 (0.965)	98	3004314			0.00- 94.79	42.08
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	6250963	200.000	217.80	50.00- 150.00	100.00(A)
12.724	12.724 (1.000)	71	2063296			0.00- 83.34	33.01
12.724	12.724 (1.000)	72	2178944			0.00- 86.73	34.86
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	8808336	200.000	220.18	50.00- 150.00	100.00(A)
12.807	12.807 (1.007)	85	5713612			16.81- 116.81	64.87
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	8220530	200.000	222.17	50.00- 150.00	100.00(A)
13.139	13.139 (1.033)	99	5230389			12.50- 112.50	63.63
84 Cyclohexane					CAS #: 110-82-7		
13.139	13.139 (1.033)	84	5218200	200.000	217.16	50.00- 150.00	100.00(A)
13.139	13.139 (1.033)	56	7772924			88.72- 188.72	148.96
13.139	13.139 (1.033)	41	4502336			34.18- 134.18	86.28
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	8120288	200.000	224.62	50.00- 150.00	100.00(A)
13.388	13.388 (1.052)	117	8456908			54.12- 154.12	104.15
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	12506160	200.000	214.07	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
13.830	13.830 (0.954)	77	2722828			0.00- 72.08	21.77
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	21355703	200.000	233.16	50.00- 150.00	100.00(A)
13.747	13.747 (0.948)	56	7170454			0.00- 85.50	33.58
13.747	13.747 (0.948)	41	5952914			0.00- 80.63	27.88
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	6578003	200.000	219.34	50.00- 150.00	100.00(A)
13.941	13.941 (0.962)	64	2023006			0.00- 82.48	30.75
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	3636649	200.000	223.42	50.00- 150.00	100.00(A)
14.051	14.051 (0.969)	43	8429973			177.03- 277.03	231.81
14.051	14.051 (0.969)	57	4475563			75.17- 175.17	123.07
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	4938264	200.000	208.80	50.00- 150.00	100.00(A)
14.964	14.964 (1.032)	130	4833380			45.71- 145.71	97.88
14.964	14.964 (1.032)	97	3196516			13.66- 113.66	64.73
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	4597334	200.000	224.40	50.00- 150.00	100.00(A)
15.461	15.461 (1.067)	62	3471380			25.77- 125.77	75.51
15.461	15.461 (1.067)	41	3288979			32.66- 132.66	71.54
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	2684983	200.000	224.24	50.00- 150.00	100.00(A)
15.600	15.600 (1.076)	58	2084845			24.57- 124.57	77.65
15.600	15.600 (1.076)	57	773518			0.00- 76.47	28.81
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	8547793	200.000	220.91	50.00- 150.00	100.00(A)
15.904	15.904 (1.097)	85	5407447			13.23- 113.23	63.26
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.706 (1.153)	75	6497521	200.000	223.10	50.00- 150.00	100.00(A)
16.706	16.706 (1.153)	77	2053488			0.00- 80.86	31.60
16.706	16.706 (1.153)	39	4698560			23.02- 123.02	72.31
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	3989052	200.000	257.45	50.00- 150.00	100.00(A)
16.899	16.899 (1.166)	43	10768669			230.65- 330.65	269.96
16.899	16.899 (1.166)	85	1378775			0.00- 84.93	34.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.259 (1.191)	91	12391544	200.000	219.66	50.00- 150.00	100.00(A)
17.259	17.259 (1.191)	92	7636549			12.16- 112.16	61.63
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.896)	75	6718429	200.000	224.76	50.00- 150.00	100.00(A)
17.701	17.701 (0.896)	77	2109956			0.00- 81.93	31.41
17.701	17.701 (0.896)	39	4580075			21.47- 121.47	68.17
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.913)	97	4599562	200.000	206.76	50.00- 150.00	100.00(A)
18.033	18.033 (0.913)	99	2850437			12.93- 112.93	61.97
18.033	18.033 (0.913)	83	3847051			32.93- 132.93	83.64
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.922)	166	5511806	200.000	207.30	50.00- 150.00	100.00(A)
18.199	18.199 (0.922)	129	4160982			28.65- 128.65	75.49
18.199	18.199 (0.922)	131	4160480			25.09- 125.09	75.48
120 2-Hexanone					CAS #: 591-78-6		
18.365	18.365 (0.930)	58	5471725	200.000	229.73	50.00- 150.00	100.00(A)
18.365	18.365 (0.930)	43	10739684			142.31- 242.31	196.28
18.365	18.365 (0.930)	100	786644			0.00- 64.94	14.38
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.950)	129	7666194	200.000	213.60	50.00- 150.00	100.00(A)
18.752	18.752 (0.950)	127	5916164			29.07- 129.07	77.17
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.001	19.001 (0.962)	107	7066551	200.000	210.38	50.00- 150.00	100.00(A)
19.001	19.001 (0.962)	109	6623378			45.30- 145.30	93.73
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.003)	112	9556248	200.000	204.75	50.00- 150.00	100.00(A)
19.802	19.802 (1.003)	114	3053248			0.00- 83.60	31.95
19.802	19.802 (1.003)	77	5453736			16.68- 116.68	57.07
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.008)	106	4843923	200.000	210.05	50.00- 150.00	100.00(A)
19.913	19.913 (1.008)	91	15350108			272.96- 372.96	316.89
130 m,p-Xylene					CAS #: 108-38-3		
20.107	20.107 (1.018)	106	6265019	200.000	208.74	50.00- 150.00	100.00(A)
20.107	20.107 (1.018)	91	12225466			145.09- 245.09	195.14
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.056)	106	5660874	200.000	204.11	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.056)	91	11547681			155.45- 255.45	203.99
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.057)	104	9722431	200.000	210.38	50.00- 150.00	100.00(A)
20.881	20.881 (1.057)	78	4698880			2.44- 102.44	48.33
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.078)	173	6407452	200.000	210.36	50.00- 150.00	100.00(A)
21.295	21.295 (1.078)	171	3334394			3.77- 103.77	52.04
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.087)	105	15838592	200.000	209.28	50.00- 150.00	100.00(A)
21.461	21.461 (1.087)	120	4056802			0.00- 76.25	25.61
21.461	21.461 (1.087)	51	1844316			0.00- 61.71	11.64
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.070 (1.118)	83	9445003	200.000	204.19	50.00- 150.00	100.00(A)
22.070	22.070 (1.118)	85	6017294			16.84- 116.84	63.71
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.125)	91	21038822	200.000	208.36	50.00- 150.00	100.00(A)
22.208	22.208 (1.125)	120	4680566			0.00- 72.87	22.25
22.208	22.208 (1.125)	105	807947			0.00- 54.06	3.84
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.134)	105	18814886	200.000	207.78	50.00- 150.00	100.00(A)
22.401	22.401 (1.134)	120	5525138			0.00- 81.10	29.37
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.140)	105	13990494	200.000	197.16	50.00- 150.00	100.00
22.512	22.512 (1.140)	120	6884232			0.20- 100.20	49.21
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.175)	105	14497618	200.000	198.72	50.00- 150.00	100.00
23.203	23.203 (1.175)	120	6756299			0.00- 95.80	46.60
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.812	23.812 (1.206)	146	11170508	200.000	200.48	50.00- 150.00	100.00(A)
23.812	23.812 (1.206)	148	6980770			13.32- 113.32	62.49
23.812	23.812 (1.206)	111	4294521			0.00- 88.08	38.45
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.214)	146	11487400	200.000	204.33	50.00- 150.00	100.00(A)
23.977	23.977 (1.214)	148	7198908			15.11- 115.11	62.67
23.977	23.977 (1.214)	111	4196783			0.00- 88.43	36.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.199 (1.225)	91	17025209	200.000	224.26	50.00- 150.00	100.00(A)
24.199	24.199 (1.225)	126	3410776			0.00- 70.95	20.03
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.249)	146	10549420	200.000	199.44	50.00- 150.00	100.00
24.669	24.669 (1.249)	148	6610959			12.04- 112.04	62.67
24.669	24.669 (1.249)	111	4222302			0.00- 90.23	40.02
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.403)	180	6148467	200.000	211.88	50.00- 150.00	100.00(A)
27.710	27.710 (1.403)	182	5812809			44.76- 144.76	94.54
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.413)	225	4234600	200.000	187.33	50.00- 150.00	100.00
27.904	27.904 (1.413)	223	2668961			13.63- 113.63	63.03
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.433)	128	15322212	200.000	229.20	50.00- 150.00	100.00(A)
28.291	28.291 (1.433)	127	1891676			0.00- 65.84	12.35
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	6251899	200.000	215.76	50.00- 150.00	100.00(A)
7.056	7.056 (0.555)	57	4188858			17.21- 117.21	67.00
20 Butane					CAS #: 106-97-8		
5.674	5.674 (0.446)	58	864815	200.000	212.10	50.00- 150.00	100.00(A)
5.674	5.674 (0.446)	43	7797251			812.73- 912.73	901.61
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	5988973	200.000	226.14	50.00- 150.00	100.00(A)
15.240	15.240 (1.052)	98	2537705			0.00- 95.69	42.37
15.240	15.240 (1.052)	55	6259439			54.52- 154.52	104.52

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1071911.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd1.i/1-19jul.b/t14q719a.m
Misc Info: 200ppbv -->200ppbv

Calibration Date: 19-JUL-2007
Calibration Time: 16:09
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	330967	198580	463354	288305	-12.89
96 1,4-Difluorobenze	1232867	739720	1726014	1123707	-8.85
125 Chlorobenzene-d5	895361	537217	1253505	818220	-8.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.75	-0.14

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.

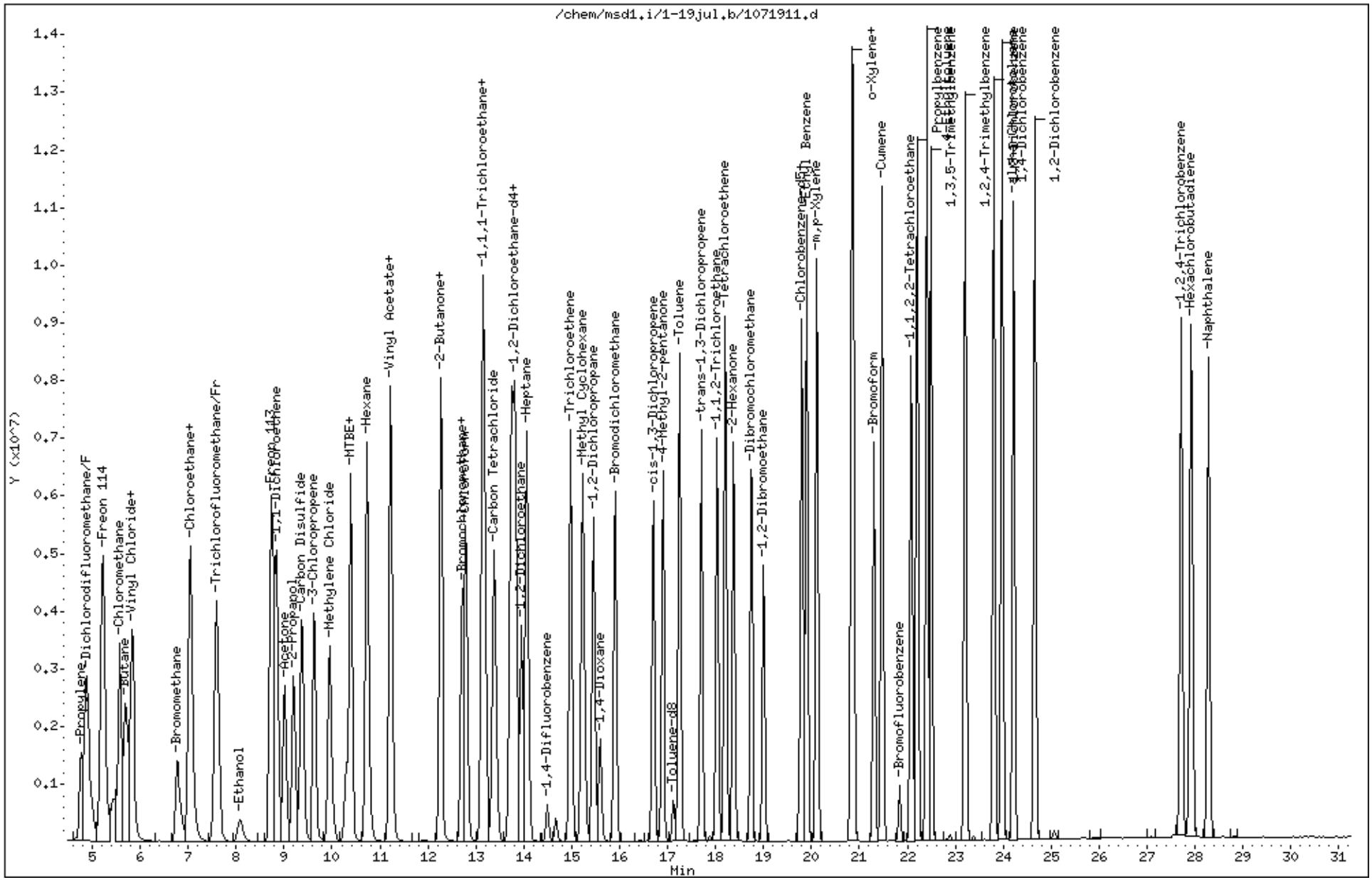
0173

Data File: /chem/msd1.i/1-19jul.b/1071911.d
Date : 19-JUL-2007 17:25
Client ID: Level 7
Sample Info: 200mL #1443-190

Instrument: msd1.i

Operator: kr
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707343-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 09:59 AM**	

Compound	%Recovery
Freon 12	96
Freon 114	101
Vinyl Chloride	105
Bromomethane	102
Chloroethane	91
Freon 11	99
1,1-Dichloroethene	102
Freon 113	104
Methylene Chloride	96
1,1-Dichloroethane	105
cis-1,2-Dichloroethene	108
Chloroform	104
1,1,1-Trichloroethane	101
Carbon Tetrachloride	101
Benzene	103
1,2-Dichloroethane	107
Trichloroethene	103
1,2-Dichloropropane	108
cis-1,3-Dichloropropene	105
Toluene	103
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	99
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	102
Chlorobenzene	100
Ethyl Benzene	102
m,p-Xylene	98
o-Xylene	98
Styrene	102
1,1,2,2-Tetrachloroethane	98
1,3,5-Trimethylbenzene	94
1,2,4-Trimethylbenzene	92
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	89
1,3-Butadiene	108
Hexane	107
Cyclohexane	102

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707343-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 09:59 AM**	

Compound	%Recovery
Heptane	107
Bromodichloromethane	104
Dibromochloromethane	103
Cumene	98
Propylbenzene	95
Chloromethane	106
1,2,4-Trichlorobenzene	91
Hexachlorobutadiene	91
Acetone	102
Carbon Disulfide	97
2-Propanol	106
trans-1,2-Dichloroethene	96
2-Butanone (Methyl Ethyl Ketone)	111
Tetrahydrofuran	104
1,4-Dioxane	104
4-Methyl-2-pentanone	114
2-Hexanone	102
Bromoform	103
4-Ethyltoluene	94
Ethanol	107
Methyl tert-butyl ether	89
3-Chloropropene	101
2,2,4-Trimethylpentane	107
Naphthalene	91

Container Type: NA - Not Applicable

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

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 30-JUL-2007 09:59
Lab File ID: 1073004.d Init. Cal. Date(s): 19-JUL-2007 30-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:12 15:22
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd1.i/1-30jul.b/t14q719c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.46715	1.40648	0.010	4.13525	30.00000	Averaged
$ 113 Toluene-d8	0.84064	0.84137	0.010	-0.08644	30.00000	Averaged
$ 137 Bromofluorobenzene	0.56218	0.54120	0.010	3.73196	30.00000	Averaged
12 Propylene	1.59211	1.71371	0.010	-7.63796	30.00000	Averaged
15 Dichlorodifluoromethane/Fr1	4.57393	4.39022	0.010	4.01637	30.00000	Averaged
18 Freon 114	3.30825	3.35004	0.010	-1.26340	30.00000	Averaged
19 Chloromethane	2.05819	2.18184	0.010	-6.00763	30.00000	Averaged
22 Vinyl Chloride	2.04770	2.15390	0.010	-5.18611	30.00000	Averaged
23 1,3-Butadiene	1.60967	1.73642	0.010	-7.87392	30.00000	Averaged
27 Bromomethane	1.71927	1.74603	0.010	-1.55645	30.00000	Averaged
30 Chloroethane	1.06827	0.97007	0.010	9.19287	30.00000	Averaged
32 Trichlorofluoromethane/Fr11	4.71546	4.68839	0.010	0.57414	30.00000	Averaged
39 Ethanol	0.71917	0.77132	0.010	-7.25034	30.00000	Averaged
44 Freon 113	2.56982	2.66257	0.010	-3.60913	30.00000	Averaged
45 1,1-Dichloroethene	3.24350	3.32427	0.010	-2.49000	30.00000	Averaged
46 Acetone	0.99699	1.02252	0.010	-2.56008	30.00000	Averaged
47 2-Propanol	3.62271	3.85388	0.010	-6.38122	30.00000	Averaged
49 Carbon Disulfide	5.97061	5.78812	0.010	3.05648	30.00000	Averaged
51 3-Chloropropene	0.81039	0.82160	0.010	-1.38285	30.00000	Averaged
56 Methylene Chloride	2.80506	2.70178	0.010	3.68195	30.00000	Averaged
60 MTBE	1.69495	1.51606	0.010	10.55450	30.00000	Averaged
61 trans-1,2-Dichloroethene	2.15520	2.06953	0.010	3.97500	30.00000	Averaged
65 Hexane	3.28913	3.53185	0.010	-7.37954	30.00000	Averaged
69 Vinyl Acetate	0.39708	0.41514	0.010	-4.54809	30.00000	Averaged
70 1,1-Dichloroethane	3.69677	3.87266	0.010	-4.75795	30.00000	Averaged
75 2-Butanone	0.78093	0.86831	0.010	-11.18894	30.00000	Averaged
77 cis-1,2-Dichloroethene	2.72694	2.94134	0.010	-7.86213	30.00000	Averaged
79 Tetrahydrofuran	2.48873	2.58128	0.010	-3.71900	30.00000	Averaged
81 Chloroform	3.46900	3.61726	0.010	-4.27406	30.00000	Averaged
83 1,1,1-Trichloroethane	3.20855	3.25425	0.010	-1.42431	30.00000	Averaged
84 Cyclohexane	2.08369	2.13467	0.010	-2.44697	30.00000	Averaged
86 Carbon Tetrachloride	3.13486	3.18001	0.010	-1.44038	30.00000	Averaged
89 2,2,4-Trimethylpentane	2.03773	2.18825	0.010	-7.38691	30.00000	Averaged
91 Benzene	1.29974	1.34430	0.010	-3.42802	30.00000	Averaged
93 1,2-Dichloroethane	0.66720	0.71554	0.010	-7.24513	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 30-JUL-2007 09:59
Lab File ID: 1073004.d Init. Cal. Date(s): 19-JUL-2007 30-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:12 15:22
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd1.i/1-30jul.b/t14q719c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.36213	0.38610	0.010	-6.61846	30.00000	Averaged
100 Trichloroethene	0.52618	0.54249	0.010	-3.09969	30.00000	Averaged
104 1,2-Dichloropropane	0.45580	0.49385	0.010	-8.34948	30.00000	Averaged
106 1,4-Dioxane	0.26638	0.27696	0.010	-3.97153	30.00000	Averaged
108 Bromodichloromethane	0.86085	0.89732	0.010	-4.23689	30.00000	Averaged
111 cis-1,3-Dichloropropene	0.64795	0.68060	0.010	-5.03867	30.00000	Averaged
112 4-Methyl-2-pentanone	0.34472	0.39488	0.010	-14.55162	30.00000	Averaged
115 Toluene	1.25502	1.29770	0.010	-3.40087	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.91330	0.94314	0.010	-3.26703	30.00000	Averaged
118 1,1,2-Trichloroethane	0.67969	0.67147	0.010	1.20982	30.00000	Averaged
119 Tetrachloroethene	0.81239	0.83498	0.010	-2.78064	30.00000	Averaged
120 2-Hexanone	0.72775	0.74082	0.010	-1.79640	30.00000	Averaged
123 Dibromochloromethane	1.09657	1.13008	0.010	-3.05517	30.00000	Averaged
124 1,2-Dibromoethane	1.02628	1.04660	0.010	-1.97994	30.00000	Averaged
126 Chlorobenzene	1.42602	1.42232	0.010	0.25940	30.00000	Averaged
128 Ethyl Benzene	0.70459	0.72216	0.010	-2.49367	30.00000	Averaged
130 m,p-Xylene	0.91703	0.90386	0.010	1.43703	30.00000	Averaged
131 o-Xylene	0.84742	0.83080	0.010	1.96102	30.00000	Averaged
132 Styrene	1.41202	1.44632	0.010	-2.42857	30.00000	Averaged
133 Bromoform	0.93064	0.95639	0.010	-2.76644	30.00000	Averaged
135 Cumene	2.31232	2.27848	0.010	1.46382	30.00000	Averaged
138 1,1,2,2-Tetrachloroethane	1.41329	1.38789	0.010	1.79756	30.00000	Averaged
139 Propylbenzene	3.08521	2.92660	0.010	5.14080	30.00000	Averaged
144 4-Ethyltoluene	2.76670	2.61501	0.010	5.48268	30.00000	Averaged
146 1,3,5-Trimethylbenzene	2.16806	2.03600	0.010	6.09116	30.00000	Averaged
150 1,2,4-Trimethylbenzene	2.22913	2.05649	0.010	7.74453	30.00000	Averaged
156 1,3-Dichlorobenzene	1.70241	1.52330	0.010	10.52115	30.00000	Averaged
157 1,4-Dichlorobenzene	1.71772	1.55618	0.010	9.40428	30.00000	Averaged
159 alpha-Chlorotoluene	2.31962	2.15119	0.010	7.26120	30.00000	Averaged
162 1,2-Dichlorobenzene	1.61615	1.43349	0.010	11.30188	30.00000	Averaged
167 1,2,4-Trichlorobenzene	0.88664	0.80868	0.010	8.79279	30.00000	Averaged
168 Hexachlorobutadiene	0.69067	0.63173	0.010	8.53396	30.00000	Averaged
29 Isopentane	2.51269	2.64653	0.010	-5.32678	30.00000	Averaged
20 Butane	0.35356	0.34759	0.010	1.68754	30.00000	Averaged
102 Methyl Cyclohexane	0.58920	0.61386	0.010	-4.18552	30.00000	Averaged
169 Naphthalene	2.04257	1.85175	0.010	9.34208	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073004.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 30-JUL-2007 09:59
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-190
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 11:25 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 15:22 Cal File: 1073010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 80 Bromochloromethane						CAS #: 74-97-5	
12.724	12.724 (1.000)	130	296378	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	226662			26.48- 126.48	76.48
12.724	12.724 (1.000)	49	813145			224.36- 324.36	274.36
* 96 1,4-Difluorobenzene						CAS #: 540-36-3	
14.494	14.494 (1.000)	114	1116978	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	175664			0.00- 65.73	15.73
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
19.775	19.775 (1.000)	117	808735	25.0000		80.00- 120.00	100.00
19.747	19.747 (1.000)	82	435607			3.17- 103.17	53.86
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
13.802	13.802 (1.085)	65	416851	25.0000	23.966	80.00- 120.00	100.00
13.802	13.802 (1.085)	67	235151			2.38- 102.38	56.41
$ 113 Toluene-d8						CAS #: 2037-26-5	
17.120	17.120 (1.181)	98	939793	25.0000	25.022	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	102489			0.00- 61.20	10.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	663638			20.95- 120.95	70.62
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.105)	174	437684	25.0000	24.067	80.00- 120.00	100.00
21.848	21.848 (1.105)	95	604594			88.13- 188.13	138.13
21.848	21.848 (1.105)	176	429332			48.09- 148.09	98.09
12 Propylene					CAS #: 115-07-1		
4.761	4.761 (0.374)	41	1015813	50.0000	53.819	80.00- 120.00	100.00
4.761	4.761 (0.374)	42	698416			20.07- 120.07	68.75
4.761	4.761 (0.374)	39	777957			29.57- 129.57	76.58
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	2602329	50.0000	47.992	80.00- 120.00	100.00
4.872	4.872 (0.383)	87	865428			0.00- 82.03	33.26
18 Freon 114					CAS #: 76-14-2		
5.176	5.176 (0.407)	135	1985758	50.0000	50.632	80.00- 120.00	100.00
5.176	5.176 (0.407)	137	633288			0.00- 81.89	31.89
19 Chloromethane					CAS #: 74-87-3		
5.425	5.425 (0.426)	50	1293296	50.0000	53.004	80.00- 120.00	100.00
5.425	5.425 (0.426)	52	421213			0.00- 82.28	32.57
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	1276736	50.0000	52.593	80.00- 120.00	100.00
5.784	5.784 (0.455)	64	389357			0.00- 81.90	30.50
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	1029273	50.0000	53.937	80.00- 120.00	100.00
5.812	5.812 (0.457)	39	1029603			52.87- 152.87	100.03
27 Bromomethane					CAS #: 74-83-9		
6.779	6.779 (0.533)	94	1034967	50.0000	50.778	80.00- 120.00	100.00
6.779	6.779 (0.533)	96	966286			43.36- 143.36	93.36
30 Chloroethane					CAS #: 75-00-3		
7.028	7.028 (0.552)	64	575014	50.0000	45.404	80.00- 120.00	100.00
7.028	7.028 (0.552)	49	193809			0.00- 81.78	33.71
7.028	7.028 (0.552)	66	172225			0.00- 80.60	29.95
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	2779072	50.0000	49.713	80.00- 120.00	100.00
7.581	7.581 (0.596)	103	1808964			15.09- 115.09	65.09

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	457202	50.0000	53.625	80.00- 120.00	100.00
8.051	8.051 (0.633)	43	100009			0.00- 71.52	21.87
8.051	8.051 (0.633)	46	169739			0.00- 85.28	37.13
44 Freon 113					CAS #: 76-13-1		
8.742	8.742 (0.687)	151	1578255	50.0000	51.804	80.00- 120.00	100.00
8.742	8.742 (0.687)	153	994894			13.04- 113.04	63.04
8.742	8.742 (0.687)	101	2022074			78.12- 178.12	128.12
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	1970479	50.0000	51.245	80.00- 120.00	100.00
8.853	8.853 (0.696)	96	1065674			4.08- 104.08	54.08
8.853	8.853 (0.696)	98	676954			0.00- 84.35	34.35
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	606102	50.0000	51.280	80.00- 120.00	100.00
9.019	9.019 (0.709)	43	2048037			283.38- 383.38	337.90
47 2-Propanol					CAS #: 67-63-0		
9.185	9.185 (0.722)	45	2284410	50.0000	53.191	80.00- 120.00	100.00
9.185	9.185 (0.722)	43	541904			0.00- 76.43	23.72
9.212	9.212 (0.724)	59	83645			0.00- 53.87	3.66
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	3430943	50.0000	48.472	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	487006	50.0000	50.691	80.00- 120.00	100.00
9.655	9.655 (0.759)	41	1759620			286.52- 386.52	361.31
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	1601498	50.0000	48.159	80.00- 120.00	100.00
9.931	9.931 (0.781)	84	926836			7.87- 107.87	57.87
9.931	9.931 (0.781)	51	474023			0.00- 81.60	29.60
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	898651	50.0000	44.723	80.00- 120.00	100.00
10.291	10.291 (0.809)	57	242056			0.00- 76.94	26.94
10.291	10.291 (0.809)	41	262269			0.00- 86.67	29.18
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.374	10.374 (0.815)	96	1226724	50.0000	48.012	80.00- 120.00	100.00
10.374	10.374 (0.815)	61	1957072			109.54- 209.54	159.54
10.374	10.374 (0.815)	98	766170			6.76- 106.76	62.46

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
65 Hexane						CAS #: 110-54-3	
10.733	10.733 (0.844)	57	2093527	50.0000	53.690	80.00- 120.00	100.00
10.733	10.733 (0.844)	43	1392290			16.68- 116.68	66.50
10.733	10.733 (0.844)	86	252284			0.00- 62.42	12.05
69 Vinyl Acetate						CAS #: 108-05-4	
11.203	11.203 (0.880)	86	246079	50.0000	52.274	80.00- 120.00	100.00
11.203	11.203 (0.880)	43	3755450			1389.07-1489.07	1526.12
70 1,1-Dichloroethane						CAS #: 75-34-3	
11.231	11.231 (0.883)	63	2295541	50.0000	52.379	80.00- 120.00	100.00
11.231	11.231 (0.883)	65	700804			0.00- 80.53	30.53
75 2-Butanone						CAS #: 78-93-3	
12.254	12.254 (0.963)	72	514693	50.0000	55.594	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	2742661			482.87- 582.87	532.87
12.254	12.254 (0.963)	57	197286			0.00- 90.73	38.33
77 cis-1,2-Dichloroethene						CAS #: 156-59-2	
12.282	12.282 (0.965)	61	1743496	50.0000	53.931	80.00- 120.00	100.00
12.282	12.282 (0.965)	96	1164003			16.76- 116.76	66.76
12.282	12.282 (0.965)	98	732353			0.00- 92.00	42.00
79 Tetrahydrofuran						CAS #: 109-99-9	
12.724	12.724 (1.000)	42	1530070	50.0000	51.860	80.00- 120.00	100.00
12.724	12.724 (1.000)	71	482828			0.00- 81.56	31.56
12.724	12.724 (1.000)	72	495735			0.00- 86.73	32.40
81 Chloroform						CAS #: 67-66-3	
12.807	12.807 (1.007)	83	2144154	50.0000	52.137	80.00- 120.00	100.00
12.807	12.807 (1.007)	85	1389797			14.82- 114.82	64.82
83 1,1,1-Trichloroethane						CAS #: 71-55-6	
13.139	13.139 (1.033)	97	1928978	50.0000	50.712	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1241436			14.36- 114.36	64.36
84 Cyclohexane						CAS #: 110-82-7	
13.166	13.166 (1.035)	84	1265340	50.0000	51.223	80.00- 120.00	100.00
13.139	13.139 (1.033)	56	1871456			97.90- 197.90	147.90
13.139	13.139 (1.033)	41	1103320			37.20- 137.20	87.20
86 Carbon Tetrachloride						CAS #: 56-23-5	
13.388	13.388 (1.052)	119	1884972	50.0000	50.720	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	1963242			54.15- 154.15	104.15
89 2,2,4-Trimethylpentane						CAS #: 540-84-1	
13.747	13.747 (0.948)	57	4888459	50.0000	53.693	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	1662678			0.00- 85.50	34.01
13.747	13.747 (0.948)	41	1405382			0.00- 80.63	28.75
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3003108	50.0000	51.714	80.00- 120.00	100.00
13.830	13.830 (0.954)	77	673929			0.00- 72.08	22.44
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	1598485	50.0000	53.622	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	476410			0.00- 82.48	29.80
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	862532	50.0000	53.309	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2054971			177.03- 277.03	238.25
14.051	14.051 (0.969)	57	1072274			75.17- 175.17	124.32
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1211901	50.0000	51.550	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1174387			46.90- 146.90	96.90
14.964	14.964 (1.032)	97	781785			14.51- 114.51	64.51
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1103246	50.0000	54.175	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	811287			23.54- 123.54	73.54
15.461	15.461 (1.067)	41	799460			22.46- 122.46	72.46
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	618721	50.0000	51.986	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	477870			27.24- 127.24	77.24
15.600	15.600 (1.076)	57	175196			0.00- 76.47	28.32
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2004576	50.0000	52.118	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1281526			13.93- 113.93	63.93
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.705	16.705 (1.153)	75	1520425	50.0000	52.519	80.00- 120.00	100.00
16.705	16.705 (1.153)	77	486329			0.00- 81.99	31.99
16.705	16.705 (1.153)	39	1116324			23.42- 123.42	73.42
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	882145	50.0000	57.276	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	2448275			230.65- 330.65	277.54
16.899	16.899 (1.166)	85	296513			0.00- 84.93	33.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.258	17.258 (1.191)	91	2899013	50.0000	51.700	80.00- 120.00	100.00
17.258	17.258 (1.191)	92	1783006			11.50- 111.50	61.50
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.895)	75	1525495	50.0000	51.634	80.00- 120.00	100.00
17.701	17.701 (0.895)	77	489027			0.00- 82.06	32.06
17.701	17.701 (0.895)	39	1080575			20.83- 120.83	70.83
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.912)	97	1086081	50.0000	49.395	80.00- 120.00	100.00
18.033	18.033 (0.912)	99	683216			12.91- 112.91	62.91
18.033	18.033 (0.912)	83	916397			34.38- 134.38	84.38
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.920)	166	1350553	50.0000	51.390	80.00- 120.00	100.00
18.199	18.199 (0.920)	129	1011742			24.91- 124.91	74.91
18.199	18.199 (0.920)	131	1012247			24.95- 124.95	74.95
120 2-Hexanone					CAS #: 591-78-6		
18.364	18.364 (0.929)	58	1198257	50.0000	50.898	80.00- 120.00	100.00
18.364	18.364 (0.929)	43	2421672			152.10- 252.10	202.10
18.392	18.392 (0.930)	100	166195			0.00- 64.94	13.87
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.948)	129	1827864	50.0000	51.528	80.00- 120.00	100.00
18.752	18.752 (0.948)	127	1414513			29.07- 129.07	77.39
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.961)	107	1692848	50.0000	50.990	80.00- 120.00	100.00
19.000	19.000 (0.961)	109	1587579			43.78- 143.78	93.78
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.001)	112	2300561	50.0000	49.870	80.00- 120.00	100.00
19.802	19.802 (1.001)	114	728158			0.00- 81.65	31.65
19.802	19.802 (1.001)	77	1310496			6.96- 106.96	56.96
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.007)	106	1168078	50.0000	51.247	80.00- 120.00	100.00
19.913	19.913 (1.007)	91	3568416			272.96- 372.96	305.49
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.017)	106	1461960	50.0000	49.281	80.00- 120.00	100.00
20.106	20.106 (1.017)	91	2866836			145.09- 245.09	196.10
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.055)	106	1343791	50.0000	49.019	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.055)	91	2756979			155.16- 255.16	205.16
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.056)	104	2339372	50.0000	51.214	80.00- 120.00	100.00
20.881	20.881 (1.056)	78	1125190			0.00- 98.10	48.10
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.077)	173	1546930	50.0000	51.383	80.00- 120.00	100.00
21.295	21.295 (1.077)	171	812821			2.54- 102.54	52.54
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.085)	105	3685366	50.0000	49.268	80.00- 120.00	100.00
21.461	21.461 (1.085)	120	960884			0.00- 76.25	26.07
21.461	21.461 (1.085)	51	449789			0.00- 61.71	12.20
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.069	22.069 (1.116)	83	2244869	50.0000	49.101	80.00- 120.00	100.00
22.069	22.069 (1.116)	85	1430184			13.71- 113.71	63.71
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.123)	91	4733689	50.0000	47.430	80.00- 120.00	100.00
22.208	22.208 (1.123)	120	1098368			0.00- 72.87	23.20
22.208	22.208 (1.123)	105	184441			0.00- 54.06	3.90
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.133)	105	4229706	50.0000	47.259	80.00- 120.00	100.00
22.401	22.401 (1.133)	120	1269677			0.00- 80.02	30.02
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.138)	105	3293171	50.0000	46.954	80.00- 120.00	100.00
22.512	22.512 (1.138)	120	1635770			0.20- 100.20	49.67
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.173)	105	3326313	50.0000	46.128	80.00- 120.00	100.00
23.203	23.203 (1.173)	120	1552837			0.00- 95.80	46.68
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.204)	146	2463893	50.0000	44.739	80.00- 120.00	100.00
23.811	23.811 (1.204)	148	1556274			13.32- 113.32	63.16
23.811	23.811 (1.204)	111	960925			0.00- 88.08	39.00
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.213)	146	2517082	50.0000	45.298	80.00- 120.00	100.00
23.977	23.977 (1.213)	148	1582998			15.11- 115.11	62.89
23.977	23.977 (1.213)	111	934919			0.00- 88.43	37.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.198	24.198 (1.224)	91	3479485	50.0000	46.369	80.00- 120.00	100.00
24.198	24.198 (1.224)	126	695321			0.00- 70.95	19.98
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.247)	146	2318630	50.0000	44.349	80.00- 120.00	100.00
24.669	24.669 (1.247)	148	1481278			13.89- 113.89	63.89
24.669	24.669 (1.247)	111	935298			0.00- 90.34	40.34
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.401)	180	1308020	50.0000	45.604	80.00- 120.00	100.00
27.710	27.710 (1.401)	182	1218452			43.15- 143.15	93.15
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.411)	225	1021806	50.0000	45.733	80.00- 120.00	100.00
27.904	27.904 (1.411)	223	651151			13.63- 113.63	63.73
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	1568747	50.0000	52.663	80.00- 120.00	100.00
7.056	7.056 (0.555)	57	1034676			17.21- 117.21	65.96
20 Butane					CAS #: 106-97-8		
5.646	5.646 (0.444)	58	206037	50.0000	49.156	80.00- 120.00	100.00
5.646	5.646 (0.444)	43	1919727			812.73- 912.73	931.74
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1371342	50.0000	52.093	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	594474			0.00- 95.69	43.35
15.240	15.240 (1.052)	55	1454234			54.52- 154.52	106.04
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.431)	128	2995146	50.0000	45.329	80.00- 120.00	100.00
28.291	28.291 (1.431)	127	374955			0.00- 65.84	12.52

Report Date: 31-Jul-2007 11:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073004.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 30-JUL-2007
Calibration Time: 11:52
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	276120	165672	386568	296378	7.34
96 1,4-Difluorobenze	1023652	614191	1433113	1116978	9.12
125 Chlorobenzene-d5	778721	467233	1090209	808735	3.85

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.75	19.42	20.08	19.77	0.14

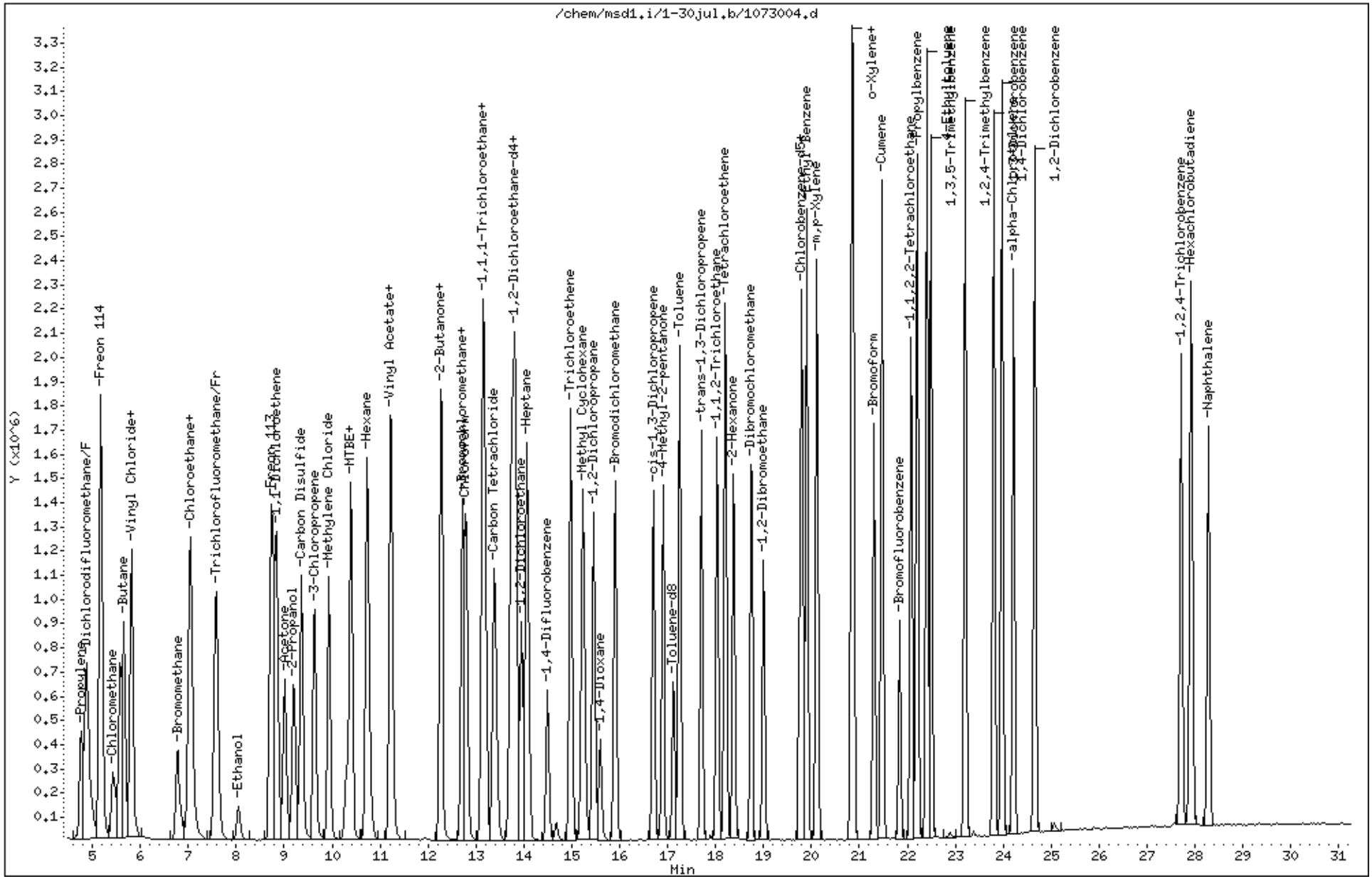
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-30jul.b/1073004.d
Date : 30-JUL-2007 09:59
Client ID: CCV-1
Sample Info: 50mL #1443-190

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



0187

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707343-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 09:17 AM**	

Compound	%Recovery
Freon 12	107
Freon 114	108
Vinyl Chloride	112
Bromomethane	110
Chloroethane	99
Freon 11	107
1,1-Dichloroethene	109
Freon 113	112
Methylene Chloride	102
1,1-Dichloroethane	112
cis-1,2-Dichloroethene	114
Chloroform	112
1,1,1-Trichloroethane	107
Carbon Tetrachloride	109
Benzene	107
1,2-Dichloroethane	108
Trichloroethene	105
1,2-Dichloropropane	112
cis-1,3-Dichloropropene	108
Toluene	107
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	103
Tetrachloroethene	105
1,2-Dibromoethane (EDB)	108
Chlorobenzene	103
Ethyl Benzene	104
m,p-Xylene	104
o-Xylene	104
Styrene	107
1,1,2,2-Tetrachloroethane	101
1,3,5-Trimethylbenzene	97
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	92
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	94
1,2-Dichlorobenzene	91
1,3-Butadiene	113
Hexane	113
Cyclohexane	110

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707343-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1073003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/30/07 09:17 AM**	

Compound	**%Recovery**
Heptane	110
Bromodichloromethane	108
Dibromochloromethane	107
Cumene	101
Propylbenzene	100
Chloromethane	114
1,2,4-Trichlorobenzene	88
Hexachlorobutadiene	92
Acetone	105
Carbon Disulfide	105
2-Propanol	110
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	115
Tetrahydrofuran	106
1,4-Dioxane	99
4-Methyl-2-pentanone	115
2-Hexanone	100
Bromoform	107
4-Ethyltoluene	99
Ethanol	107
Methyl tert-butyl ether	95
3-Chloropropene	111
2,2,4-Trimethylpentane	110
Naphthalene	87

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	102	70-130

Report Date: 31-Jul-2007 09:24

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-30jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
15 Dichlorodifluorome	50.000	53.597	107.19	70-130
18 Freon 114	50.000	54.283	108.57	70-130
19 Chloromethane	50.000	57.111	114.22	70-130
22 Vinyl Chloride	50.000	56.002	112.00	70-130
23 1,3-Butadiene	50.000	56.715	113.43	60-140
27 Bromomethane	50.000	54.918	109.84	70-130
30 Chloroethane	50.000	49.364	98.73	70-130
32 Trichlorofluoromet	50.000	53.388	106.78	70-130
39 Ethanol	50.000	53.698	107.40	60-140
44 Freon 113	50.000	55.999	112.00	70-130
45 1,1-Dichloroethene	50.000	54.741	109.48	70-130
46 Acetone	50.000	52.581	105.16	60-140
49 Carbon Disulfide	50.000	52.350	104.70	60-140
47 2-Propanol	50.000	55.260	110.52	60-140
56 Methylene Chloride	50.000	51.090	102.18	70-130
60 MTBE	50.000	47.428	94.86	60-140
61 trans-1,2-Dichloro	50.000	51.062	102.12	60-140
65 Hexane	50.000	56.436	112.87	60-140
70 1,1-Dichloroethane	50.000	55.985	111.97	70-130
77 cis-1,2-Dichloroet	50.000	56.983	113.97	70-130
75 2-Butanone	50.000	57.398	114.80	60-140
79 Tetrahydrofuran	50.000	53.218	106.44	60-140
81 Chloroform	50.000	55.796	111.59	70-130
84 Cyclohexane	50.000	55.082	110.16	60-140
83 1,1,1-Trichloroeth	50.000	53.426	106.85	70-130
86 Carbon Tetrachlori	50.000	54.506	109.01	70-130
91 Benzene	50.000	53.676	107.35	70-130
93 1,2-Dichloroethane	50.000	53.860	107.72	70-130
94 Heptane	50.000	55.134	110.27	60-140
100 Trichloroethene	50.000	52.572	105.14	70-130
104 1,2-Dichloropropan	50.000	56.129	112.26	70-130
106 1,4-Dioxane	50.000	49.487	98.97	60-140
108 Bromodichlorometha	50.000	53.996	107.99	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
111 cis-1,3-Dichloropr	50.000	53.983	107.97	70-130
112 4-Methyl-2-pentano	50.000	57.655	115.31	60-140
115 Toluene	50.000	53.352	106.70	70-130
116 trans-1,3-Dichloro	50.000	53.224	106.45	70-130
118 1,1,2-Trichloroeth	50.000	51.456	102.91	70-130
119 Tetrachloroethene	50.000	52.319	104.64	70-130
120 2-Hexanone	50.000	49.908	99.82	60-140
123 Dibromochlorometha	50.000	53.382	106.77	60-140
124 1,2-Dibromoethane	50.000	53.808	107.62	70-130
126 Chlorobenzene	50.000	51.594	103.19	70-130
128 Ethyl Benzene	50.000	52.271	104.54	70-130
130 m,p-Xylene	50.000	51.756	103.51	70-130
131 o-Xylene	50.000	51.849	103.70	70-130
132 Styrene	50.000	53.316	106.63	70-130
133 Bromoform	50.000	53.368	106.74	60-140
138 1,1,2,2-Tetrachlor	50.000	50.398	100.80	70-130
144 4-Ethyltoluene	50.000	49.741	99.48	60-140
146 1,3,5-Trimethylben	50.000	48.320	96.64	70-130
150 1,2,4-Trimethylben	50.000	47.399	94.80	70-130
156 1,3-Dichlorobenzen	50.000	46.187	92.37	70-130
157 1,4-Dichlorobenzen	50.000	46.374	92.75	70-130
159 alpha-Chlorotoluen	50.000	46.927	93.85	70-130
162 1,2-Dichlorobenzen	50.000	45.366	90.73	70-130
167 1,2,4-Trichloroben	50.000	43.946	87.89	70-130
168 Hexachlorobutadien	50.000	45.912	91.82	70-130
139 Propylbenzene	50.000	49.827	99.65	60-140
135 Cumene	50.000	50.711	101.42	60-140
51 3-Chloropropene	50.000	55.300	110.60	60-140
89 2,2,4-Trimethylpen	50.000	54.823	109.65	60-140
29 Isopentane	50.000	55.529	111.06	70-130
20 Butane	50.000	52.187	104.37	70-130
102 Methyl Cyclohexane	50.000	54.465	108.93	70-130
12 Propylene	50.000	56.503	113.01	60-140
169 Naphthalene	50.000	43.478	86.96	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.542	102.17	70-130
$ 113 Toluene-d8	25.000	25.015	100.06	70-130
$ 137 Bromofluorobenzene	25.000	25.503	102.01	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-30jul.b/1073003.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 30-JUL-2007 09:17
Operator : cb Inst ID: msd1.i
Smp Info : 50mL #1443-163
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msd1.i/1-30jul.b/t14q719c.m
Meth Date : 31-Jul-2007 09:22 cbond Quant Type: ISTD
Cal Date : 30-JUL-2007 12:37 Cal File: 1073007.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 80 Bromochloromethane					CAS #: 74-97-5		
12.724	12.724 (1.000)	130	289895	25.0000		80.00- 120.00	100.00
12.724	12.724 (1.000)	128	228903			26.48- 126.48	78.96
12.724	12.724 (1.000)	49	829296			224.36- 324.36	286.07
* 96 1,4-Difluorobenzene					CAS #: 540-36-3		
14.494	14.494 (1.000)	114	1133245	25.0000		80.00- 120.00	100.00
14.494	14.494 (1.000)	88	170094			0.00- 65.73	15.01
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
19.747	19.775 (1.000)	117	825858	25.0000		80.00- 120.00	100.00
19.747	19.747 (1.000)	82	442047			3.17- 103.17	53.53
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
13.802	13.802 (1.085)	65	434544	25.5421	25.542	80.00- 120.00	100.00
13.802	13.802 (1.085)	67	229232			2.38- 102.38	52.75
$ 113 Toluene-d8					CAS #: 2037-26-5		
17.120	17.120 (1.181)	98	953236	25.0152	25.015	80.00- 120.00	100.00
17.120	17.120 (1.181)	70	109360			0.00- 61.20	11.47

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
17.120	17.120 (1.181)	100	674943			20.95- 120.95	70.81
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
21.848	21.848 (1.106)	174	473622	25.5032	25.503	80.00- 120.00	100.00
21.848	21.848 (1.106)	95	632458			88.13- 188.13	133.54
21.848	21.848 (1.106)	176	447556			48.09- 148.09	94.50
12 Propylene					CAS #: 115-07-1		
4.761	4.761 (0.374)	41	1043140	56.5027	56.503	80.00- 120.00	100.00
4.761	4.761 (0.374)	42	742078			20.07- 120.07	71.14
4.761	4.761 (0.374)	39	840140			29.57- 129.57	80.54
15 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
4.872	4.872 (0.383)	85	2842689	53.5969	53.597	80.00- 120.00	100.00
4.872	4.872 (0.383)	87	898988			0.00- 82.03	31.62
18 Freon 114					CAS #: 76-14-2		
5.203	5.176 (0.409)	135	2082394	54.2831	54.283	80.00- 120.00	100.00
5.203	5.176 (0.409)	137	643733			0.00- 81.89	30.91
19 Chloromethane					CAS #: 74-87-3		
5.425	5.425 (0.426)	50	1363028	57.1109	57.111	80.00- 120.00	100.00
5.425	5.425 (0.426)	52	422439			0.00- 82.28	30.99
22 Vinyl Chloride					CAS #: 75-01-4		
5.784	5.784 (0.455)	62	1329748	56.0018	56.002	80.00- 120.00	100.00
5.784	5.784 (0.455)	64	397508			0.00- 81.90	29.89
23 1,3-Butadiene					CAS #: 106-99-0		
5.812	5.812 (0.457)	54	1058609	56.7148	56.715	80.00- 120.00	100.00
5.812	5.812 (0.457)	39	1103050			52.87- 152.87	104.20
27 Bromomethane					CAS #: 74-83-9		
6.779	6.779 (0.533)	94	1094860	54.9180	54.918	80.00- 120.00	100.00
6.779	6.779 (0.533)	96	1036030			43.36- 143.36	94.63
30 Chloroethane					CAS #: 75-00-3		
7.028	7.028 (0.552)	64	611501	49.3644	49.364	80.00- 120.00	100.00
7.028	7.028 (0.552)	49	206813			0.00- 81.78	33.82
7.028	7.028 (0.552)	66	182782			0.00- 80.60	29.89
32 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
7.581	7.581 (0.596)	101	2919212	53.3876	53.388	80.00- 120.00	100.00
7.581	7.581 (0.596)	103	1886812			15.09- 115.09	64.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
39 Ethanol					CAS #: 64-17-5		
8.051	8.051 (0.633)	45	447807	53.6978	53.698	80.00- 120.00	100.00
8.051	8.051 (0.633)	43	96690			0.00- 71.52	21.59
8.051	8.051 (0.633)	46	167597			0.00- 85.28	37.43
44 Freon 113					CAS #: 76-13-1		
8.770	8.742 (0.689)	151	1668713	55.9987	55.999	80.00- 120.00	100.00
8.770	8.742 (0.689)	153	1040621			13.04- 113.04	62.36
8.770	8.742 (0.689)	101	2112900			78.12- 178.12	126.62
45 1,1-Dichloroethene					CAS #: 75-35-4		
8.853	8.853 (0.696)	61	2058882	54.7415	54.741	80.00- 120.00	100.00
8.853	8.853 (0.696)	96	1106349			4.08- 104.08	53.74
8.853	8.853 (0.696)	98	708095			0.00- 84.35	34.39
46 Acetone					CAS #: 67-64-1		
9.019	9.019 (0.709)	58	607883	52.5809	52.581	80.00- 120.00	100.00
9.019	9.019 (0.709)	43	2069225			283.38- 383.38	340.40
47 2-Propanol					CAS #: 67-63-0		
9.213	9.185 (0.724)	45	2321351	55.2595	55.260	80.00- 120.00	100.00
9.213	9.185 (0.724)	43	555575			0.00- 76.43	23.93
9.213	9.212 (0.724)	59	88691			0.00- 53.87	3.82
49 Carbon Disulfide					CAS #: 75-15-0		
9.351	9.351 (0.735)	76	3624423	52.3503	52.350	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
9.655	9.655 (0.759)	76	519665	55.3005	55.300	80.00- 120.00	100.00
9.655	9.655 (0.759)	41	1833418			286.52- 386.52	352.81
56 Methylene Chloride					CAS #: 75-09-2		
9.931	9.931 (0.781)	49	1661798	51.0899	51.090	80.00- 120.00	100.00
9.931	9.931 (0.781)	84	982020			7.87- 107.87	59.09
9.931	9.931 (0.781)	51	509794			0.00- 81.60	30.68
60 MTBE					CAS #: 1634-04-4		
10.291	10.291 (0.809)	73	932163	47.4280	47.428	80.00- 120.00	100.00
10.319	10.291 (0.811)	57	248729			0.00- 76.94	26.68
10.291	10.291 (0.809)	41	265107			0.00- 86.67	28.44
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
10.401	10.374 (0.817)	96	1276090	51.0616	51.062	80.00- 120.00	100.00
10.374	10.374 (0.815)	61	2043286			109.54- 209.54	160.12
10.401	10.374 (0.817)	98	802424			6.76- 106.76	62.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
10.733	10.733 (0.844)	57	2152486	56.4363	56.436	80.00- 120.00	100.00
10.733	10.733 (0.844)	43	1410427			16.68- 116.68	65.53
10.761	10.733 (0.846)	86	254384			0.00- 62.42	11.82
69 Vinyl Acetate					CAS #: 108-05-4		
11.231	11.203 (0.883)	86	256609	55.7300	55.730	80.00- 120.00	100.00
11.203	11.203 (0.880)	43	3851979			1389.07-1489.07	1501.11
70 1,1-Dichloroethane					CAS #: 75-34-3		
11.231	11.231 (0.883)	63	2399891	55.9846	55.985	80.00- 120.00	100.00
11.231	11.231 (0.883)	65	721820			0.00- 80.53	30.08
75 2-Butanone					CAS #: 78-93-3		
12.254	12.254 (0.963)	72	519771	57.3985	57.398	80.00- 120.00	100.00
12.254	12.254 (0.963)	43	2782740			482.87- 582.87	535.38
12.254	12.254 (0.963)	57	206110			0.00- 90.73	39.65
77 cis-1,2-Dichloroethene					CAS #: 156-59-2		
12.282	12.282 (0.965)	61	1801858	56.9828	56.983	80.00- 120.00	100.00
12.282	12.282 (0.965)	96	1194294			16.76- 116.76	66.28
12.282	12.282 (0.965)	98	766993			0.00- 92.00	42.57
79 Tetrahydrofuran					CAS #: 109-99-9		
12.724	12.724 (1.000)	42	1535812	53.2182	53.218	80.00- 120.00	100.00
12.724	12.724 (1.000)	71	496936			0.00- 81.56	32.36
12.724	12.724 (1.000)	72	510722			0.00- 86.73	33.25
81 Chloroform					CAS #: 67-66-3		
12.807	12.807 (1.007)	83	2244461	55.7966	55.796	80.00- 120.00	100.00
12.807	12.807 (1.007)	85	1437253			14.82- 114.82	64.04
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
13.139	13.139 (1.033)	97	1987747	53.4258	53.426	80.00- 120.00	100.00
13.139	13.139 (1.033)	99	1290240			14.36- 114.36	64.91
84 Cyclohexane					CAS #: 110-82-7		
13.166	13.166 (1.035)	84	1330881	55.0816	55.082	80.00- 120.00	100.00
13.166	13.139 (1.035)	56	1975542			97.90- 197.90	148.44
13.166	13.139 (1.035)	41	1157069			37.20- 137.20	86.94
86 Carbon Tetrachloride					CAS #: 56-23-5		
13.388	13.388 (1.052)	119	1981343	54.5056	54.506	80.00- 120.00	100.00
13.388	13.388 (1.052)	117	2084652			54.15- 154.15	105.21
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
13.747	13.747 (0.948)	57	5063954	54.8226	54.823	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
13.747	13.747 (0.948)	56	1722029			0.00- 85.50	34.01
13.747	13.747 (0.948)	41	1452431			0.00- 80.63	28.68
91 Benzene					CAS #: 71-43-2		
13.830	13.830 (0.954)	78	3162457	53.6763	53.676	80.00- 120.00	100.00
13.830	13.830 (0.954)	77	679689			0.00- 72.08	21.49
93 1,2-Dichloroethane					CAS #: 107-06-2		
13.941	13.941 (0.962)	62	1628942	53.8599	53.860	80.00- 120.00	100.00
13.941	13.941 (0.962)	64	499071			0.00- 82.48	30.64
94 Heptane					CAS #: 142-82-5		
14.051	14.051 (0.969)	71	905049	55.1341	55.134	80.00- 120.00	100.00
14.051	14.051 (0.969)	43	2157288			177.03- 277.03	238.36
14.051	14.051 (0.969)	57	1109155			75.17- 175.17	122.55
100 Trichloroethene					CAS #: 79-01-6		
14.964	14.964 (1.032)	95	1253926	52.5718	52.572	80.00- 120.00	100.00
14.964	14.964 (1.032)	130	1236930			46.90- 146.90	98.64
14.964	14.964 (1.032)	97	797647			14.51- 114.51	63.61
104 1,2-Dichloropropane					CAS #: 78-87-5		
15.461	15.461 (1.067)	63	1159689	56.1289	56.129	80.00- 120.00	100.00
15.461	15.461 (1.067)	62	856086			23.54- 123.54	73.82
15.461	15.461 (1.067)	41	834054			22.46- 122.46	71.92
106 1,4-Dioxane					CAS #: 123-91-1		
15.600	15.600 (1.076)	88	597558	49.4869	49.487	80.00- 120.00	100.00
15.600	15.600 (1.076)	58	465215			27.24- 127.24	77.85
15.600	15.600 (1.076)	57	168302			0.00- 76.47	28.16
108 Bromodichloromethane					CAS #: 75-27-4		
15.904	15.904 (1.097)	83	2107044	53.9962	53.996	80.00- 120.00	100.00
15.904	15.904 (1.097)	85	1322796			13.93- 113.93	62.78
111 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
16.706	16.705 (1.153)	75	1585546	53.9826	53.983	80.00- 120.00	100.00
16.706	16.705 (1.153)	77	510348			0.00- 81.99	32.19
16.706	16.705 (1.153)	39	1182215			23.42- 123.42	74.56
112 4-Methyl-2-pentanone					CAS #: 108-10-1		
16.899	16.899 (1.166)	58	900922	57.6553	57.655	80.00- 120.00	100.00
16.899	16.899 (1.166)	43	2466233			230.65- 330.65	273.75
16.899	16.899 (1.166)	85	302598			0.00- 84.93	33.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
115 Toluene					CAS #: 108-88-3		
17.259	17.258 (1.191)	91	3035216	53.3525	53.352	80.00- 120.00	100.00
17.259	17.258 (1.191)	92	1903470			11.50- 111.50	62.71
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
17.701	17.701 (0.896)	75	1605785	53.2242	53.224	80.00- 120.00	100.00
17.701	17.701 (0.896)	77	516628			0.00- 82.06	32.17
17.701	17.701 (0.896)	39	1117125			20.83- 120.83	69.57
118 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.033	18.033 (0.913)	97	1155340	51.4556	51.456	80.00- 120.00	100.00
18.033	18.033 (0.913)	99	732763			12.91- 112.91	63.42
18.033	18.033 (0.913)	83	957246			34.38- 134.38	82.85
119 Tetrachloroethene					CAS #: 127-18-4		
18.199	18.199 (0.922)	166	1404074	52.3191	52.319	80.00- 120.00	100.00
18.199	18.199 (0.922)	129	1071700			24.91- 124.91	76.33
18.199	18.199 (0.922)	131	1054337			24.95- 124.95	75.09
120 2-Hexanone					CAS #: 591-78-6		
18.364	18.364 (0.930)	58	1199825	49.9081	49.908	80.00- 120.00	100.00
18.364	18.364 (0.930)	43	2441621			152.10- 252.10	203.50
18.392	18.392 (0.931)	100	173088			0.00- 64.94	14.43
123 Dibromochloromethane					CAS #: 124-48-1		
18.752	18.752 (0.950)	129	1933759	53.3825	53.382	80.00- 120.00	100.00
18.752	18.752 (0.950)	127	1490848			29.07- 129.07	77.10
124 1,2-Dibromoethane					CAS #: 106-93-4		
19.000	19.000 (0.962)	107	1824244	53.8085	53.808	80.00- 120.00	100.00
19.000	19.000 (0.962)	109	1684750			43.78- 143.78	92.35
126 Chlorobenzene					CAS #: 108-90-7		
19.802	19.802 (1.003)	112	2430464	51.5939	51.594	80.00- 120.00	100.00
19.802	19.802 (1.003)	114	794972			0.00- 81.65	32.71
19.802	19.802 (1.003)	77	1386706			6.96- 106.96	57.06
128 Ethyl Benzene					CAS #: 100-41-4		
19.913	19.913 (1.008)	106	1216657	52.2714	52.271	80.00- 120.00	100.00
19.913	19.913 (1.008)	91	3779407			272.96- 372.96	310.64
130 m,p-Xylene					CAS #: 108-38-3		
20.106	20.106 (1.018)	106	1567886	51.7563	51.756	80.00- 120.00	100.00
20.106	20.106 (1.018)	91	3010487			145.09- 245.09	192.01
131 o-Xylene					CAS #: 95-47-6		
20.853	20.853 (1.056)	106	1451447	51.8488	51.849	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
131 o-Xylene (continued)							
20.853	20.853 (1.056)	91	2904995			155.16- 255.16	200.14
132 Styrene					CAS #: 100-42-5		
20.881	20.881 (1.057)	104	2486962	53.3165	53.316	80.00- 120.00	100.00
20.881	20.881 (1.057)	78	1180338			0.00- 98.10	47.46
133 Bromoform					CAS #: 75-25-2		
21.295	21.295 (1.078)	173	1640716	53.3685	53.368	80.00- 120.00	100.00
21.295	21.295 (1.078)	171	856306			2.54- 102.54	52.19
135 Cumene					CAS #: 98-82-8		
21.461	21.461 (1.087)	105	3873594	50.7108	50.711	80.00- 120.00	100.00
21.461	21.461 (1.087)	120	1009008			0.00- 76.25	26.05
21.461	21.461 (1.087)	51	462588			0.00- 61.71	11.94
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
22.070	22.069 (1.118)	83	2352939	50.3979	50.398	80.00- 120.00	100.00
22.070	22.069 (1.118)	85	1506144			13.71- 113.71	64.01
139 Propylbenzene					CAS #: 103-65-1		
22.208	22.208 (1.125)	91	5078238	49.8269	49.827	80.00- 120.00	100.00
22.208	22.208 (1.125)	120	1149585			0.00- 72.87	22.64
22.208	22.208 (1.125)	105	182139			0.00- 54.06	3.59
144 4-Ethyltoluene					CAS #: 622-96-8		
22.401	22.401 (1.134)	105	4546131	49.7409	49.741	80.00- 120.00	100.00
22.401	22.401 (1.134)	120	1350299			0.00- 80.02	29.70
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.512	22.512 (1.140)	105	3460674	48.3196	48.320	80.00- 120.00	100.00
22.512	22.512 (1.140)	120	1732153			0.20- 100.20	50.05
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
23.203	23.203 (1.175)	105	3490367	47.3992	47.399	80.00- 120.00	100.00
23.203	23.203 (1.175)	120	1616684			0.00- 95.80	46.32
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
23.811	23.811 (1.206)	146	2597448	46.1866	46.187	80.00- 120.00	100.00
23.811	23.811 (1.206)	148	1629046			13.32- 113.32	62.72
23.811	23.811 (1.206)	111	993779			0.00- 88.08	38.26
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.977	23.977 (1.214)	146	2631451	46.3742	46.374	80.00- 120.00	100.00
23.977	23.977 (1.214)	148	1668002			15.11- 115.11	63.39
23.977	23.977 (1.214)	111	978791			0.00- 88.43	37.20

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.199	24.198 (1.225)	91	3595869	46.9268	46.927	80.00- 120.00	100.00
24.199	24.198 (1.225)	126	740974			0.00- 70.95	20.61
162 1,2-Dichlorobenzene					CAS #: 95-50-1		
24.669	24.669 (1.249)	146	2421995	45.3656	45.366	80.00- 120.00	100.00
24.669	24.669 (1.249)	148	1540121			13.89- 113.89	63.59
24.669	24.669 (1.249)	111	978654			0.00- 90.34	40.41
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
27.710	27.710 (1.403)	180	1287171	43.9463	43.946	80.00- 120.00	100.00
27.710	27.710 (1.403)	182	1209525			43.15- 143.15	93.97
168 Hexachlorobutadiene					CAS #: 87-68-3		
27.904	27.904 (1.413)	225	1047522	45.9119	45.912	80.00- 120.00	100.00
27.904	27.904 (1.413)	223	658377			13.63- 113.63	62.85
29 Isopentane					CAS #: 78-78-4		
7.056	7.056 (0.555)	43	1617928	55.5291	55.529	80.00- 120.00	100.00
7.056	7.056 (0.555)	57	1068431			17.21- 117.21	66.04
20 Butane					CAS #: 106-97-8		
5.646	5.646 (0.444)	58	213956	52.1871	52.187	80.00- 120.00	100.00
5.646	5.646 (0.444)	43	1995227			812.73- 912.73	932.54
102 Methyl Cyclohexane					CAS #: 108-87-2		
15.240	15.240 (1.052)	83	1454682	54.4654	54.465	80.00- 120.00	100.00
15.240	15.240 (1.052)	98	614645			0.00- 95.69	42.25
15.240	15.240 (1.052)	55	1520988			54.52- 154.52	104.56
169 Naphthalene					CAS #: 91-20-3		
28.291	28.291 (1.433)	128	2933667	43.4780	43.478	80.00- 120.00	100.00
28.291	28.291 (1.433)	127	361416			0.00- 65.84	12.32

Report Date: 31-Jul-2007 09:24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1073003.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd1.i/1-30jul.b/t14q719c.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 30-JUL-2007
Calibration Time: 09:59
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	296378	177827	414929	289895	-2.19
96 1,4-Difluorobenze	1116978	670187	1563769	1133245	1.46
125 Chlorobenzene-d5	808735	485241	1132229	825858	2.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
80 Bromochloromethan	12.72	12.39	13.05	12.72	0.00
96 1,4-Difluorobenze	14.49	14.16	14.82	14.49	0.00
125 Chlorobenzene-d5	19.77	19.44	20.10	19.75	-0.14

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.

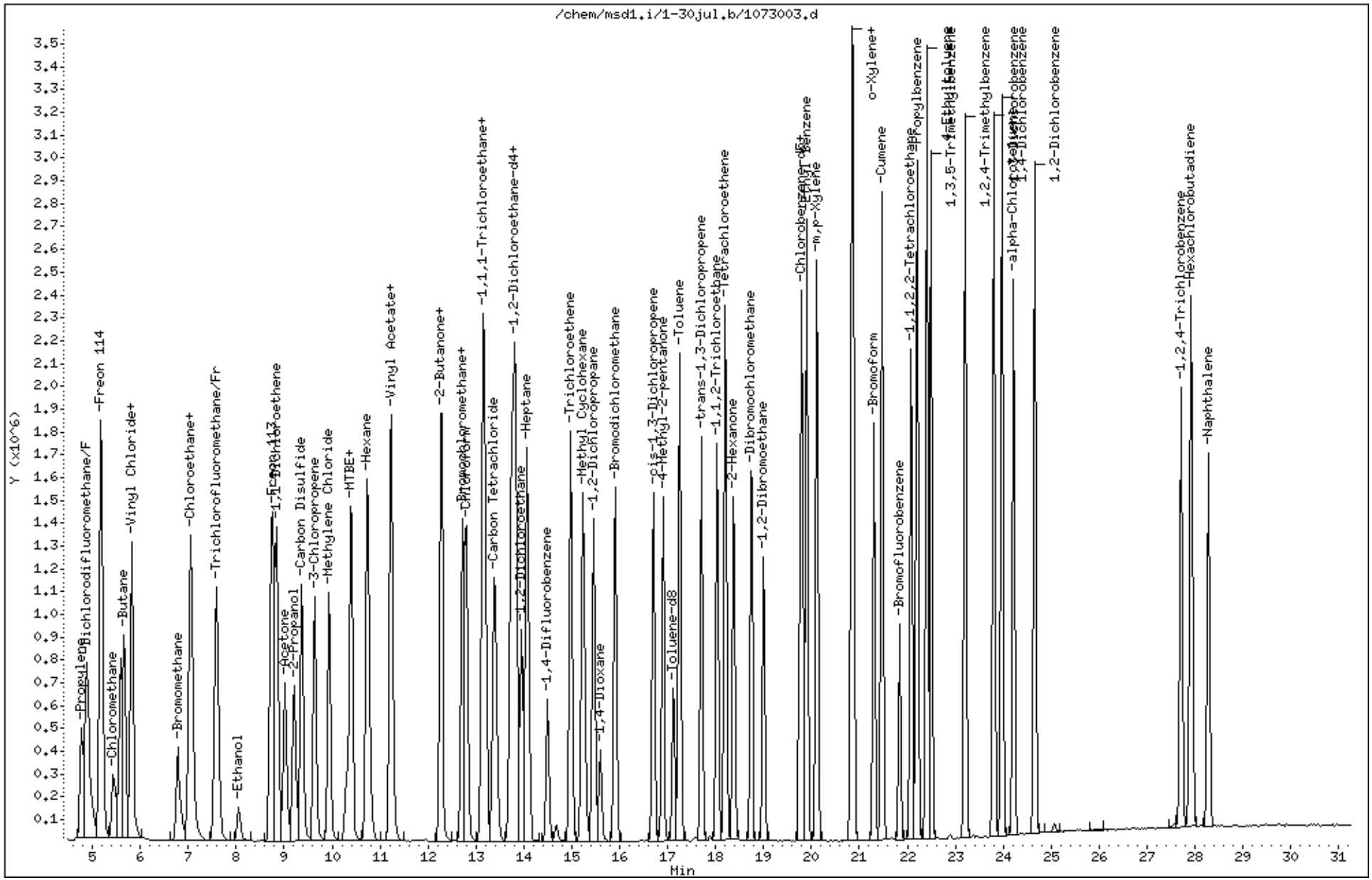
0201

Data File: /chem/msd1.i/1-30jul.b/1073003.d
Date : 30-JUL-2007 09:17
Client ID: LCS-1
Sample Info: 50mL #1443-163

Instrument: msd1.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



0202

@ Air Toxics Ltd.

MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.16
75	30.0 – 60.0% of mass 95	43.06
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.59
173	Less than 2.0% of mass 174	(0.73)[1]
174	Greater than 50.0% of mass 95	71.43
175	5.0 – 9.0% of mass 174	(7.25)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.89)[1]
177	5.0 – 9.0% of mass 176	(6.30)[2]

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

BFB Injection Date: 7/30/07
BFB Injection Time: 0809
BFB File ID: 1073001
Tekmar Purge Flow: 20.7 mL/min
Vacuum: 3.7 x 10^{-5} torr

IS/S Std.#:	1443-153	Exp. Date: 10/1/07
BCM	296378	
1,4-DFB	1116978	
CB-d5	808735	

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

Verify 176/174 m/z Ratio: 712783/743338 x 100 = 95.89% **NOAH Cart #:** N/A **File #:** N/A

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 939793\ )}{(\ 1116978\ )} \times \frac{(\ 25.0\ )}{(\ 0.84064\ )} =$ 25.022

File ID:	1073004
Compound:	toluene-d8
Initials:	CB

Reported Result 25.022

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1073001	BFB Tune Check	843-2915	50ng	2mL	1.00	CB	7/30/07	0809	CB/ [illegible]	
2	X	02	CCV-1 (200ppbv)	1443-190	50ppbv	50mL		CB		0838	CB/—	
3	✓	03	LCS-1 (200ppbv)	1443-163	50ppbv	50mL		CB		0917	CB/ [illegible]	
4	✓	04	CCV-1 (200ppbv)	1443-190	50ppbv	50mL		CB		0959	CB/ [illegible]	
5	X	05	ICAL Level 3	1487-336	200ppbv – 2ppbv	2mL		CB		1101	CB/—	IS↓ sp1sc
6	✓	06	ICAL Level 5	↓	200ppbv – 50ppbv	50mL		CB		1152	CB/ [illegible]	ccv ↓
7	✓	07	ICAL Level 7	↓	200ppbv	200mL		CB		1237	CB/ [illegible]	
8	✓	08	CCVsp (200ppbv)	1487-354	50ppbv	50mL		CB		1335	CB/ [illegible]	sp 20bccv
9	✓	09	System Blank	12009	Humid	200mL	✓	CB	↓	1424	CB/ [illegible]	

Signature

7/30/07
Date

10	✓	1073010	ICAL level 3	1487-336	200ppbv-2ppbv	2mL	1.00	CB	7/30/07	1522	CB/ LO	spiscenarios
11	✓	↓ 11	Lab Blank	12009	Humid	200mL	1.00	CB	↓	1613	KR	
12	✓	12	0707343-01A	3740	9.5"Hg-5psi	200mL	1.96	KR		1708	KR	
13	✓	13	↓ -02A	R-8	13.0"Hg-5psi	200mL	2.36	KR		1747	KR	
14	✓	14	-03A	33384	8.0"Hg-5psi	200mL	1.83	KR		1831	KR	
15	✓	15	-04A	35992	29.0"Hg-5psi	200mL	1.00	KR		1909	KR	trip blank
16	X	16	0707373C-40A	34138	6.0"Hg-15psi	10mL	50.6	KR		1958	KR	RR 100 mL
17	✓	17	0707343-04A	35992	29.0"Hg-5psi	200mL	1.00	KR		2037	KR	trip blank confirmation
18	✓	18	0707373C-40A	34138	6.0"Hg-15psi	100mL	5.06	KR		2124	KR	
19	✓	19	↓ -42A	12009	7.0"Hg-15psi	200mL	2.64	KR		2224	DB/ LO	
20	✓	20	-44A	9476	6.5"Hg-15psi	200mL	2.58	DB		2332	DB/ LO	
21	✓	21	-45A	34111	7.0"Hg-15psi	↓	2.64	DB	7/31/07	0030	DB/ LO	
22	✓	22	-43A	93100	3.5"Hg-15psi		2.29	DB	↓	0124	DB/ LO	
23	✓	23	-46A	1450	6.0"Hg→15psi 1.5"Hg→15psi		5.39	DB		0224	DB/ LO	
24	✓	24	-41A	35684	7.5"Hg→16psi 1.5"Hg→15psi	75mL	15.30	DB		0323	DB/ LO	100X
25	X	25	-47A	2220	7.0"Hg-15psi	50mL	10.60	DB		0404	DB/ LO	100X RR@2mL
26	X ✓	26	-47A	↓	↓	2.0mL	264	DB		0512	LO	
27	✓	27	-47A	↓	↓	2.5mL	21.1	DB		0557	LO	Surr↑ matrix
28	✓	28	-41AA	35684	1.5"Hg-15psi	75mL	15.30	LO		0801	CB/ KT	100x
29												
30												
31			LO 7/31/07									
32												

Comments:

Signature: Laura Overmeyer

Date: 7/31/07

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-19jul.b/1071905.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 19-JUL-2007 13:46
Operator : cb Inst ID: msd1.i
Smp Info : 2uL #843-2915;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-19jul.b/bfb105.m
Meth Date : 19-Jul-2007 07:51 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.235	8.228	0.007	95	1354653			100.00- 100.00	100.00
8.235	8.228	0.007	50	295224			15.00- 40.00	21.79
8.235	8.228	0.007	75	564830			30.00- 60.00	41.70
8.235	8.228	0.007	96	84288			5.00- 9.00	6.22
8.235	8.228	0.007	173	8156			0.00- 2.00	0.83
8.235	8.228	0.007	174	983616			50.00- 100.00	72.61
8.235	8.228	0.007	175	67553			5.00- 9.00	6.87
8.235	8.228	0.007	176	935698			95.00- 101.00	95.13
8.235	8.228	0.007	177	58340			5.00- 9.00	6.23

Data File: /var/chem/msd1.i/1-19jul.b/1071905.d

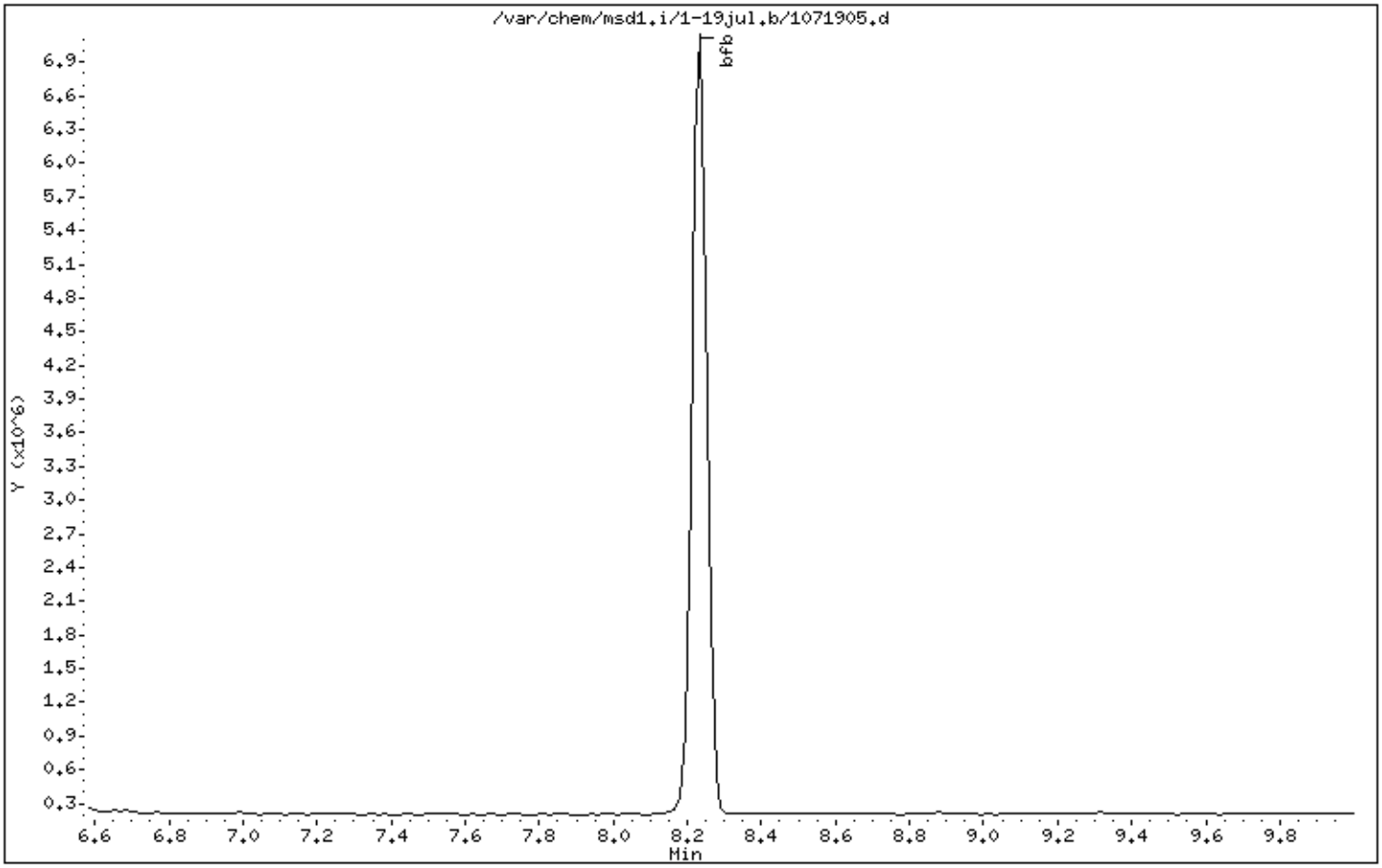
Date : 19-JUL-2007 13:46

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /var/chem/msd1.i/1-19jul.b/1071905.d

Date : 19-JUL-2007 13:46

Client ID: BFB

Instrument: msd1.i

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

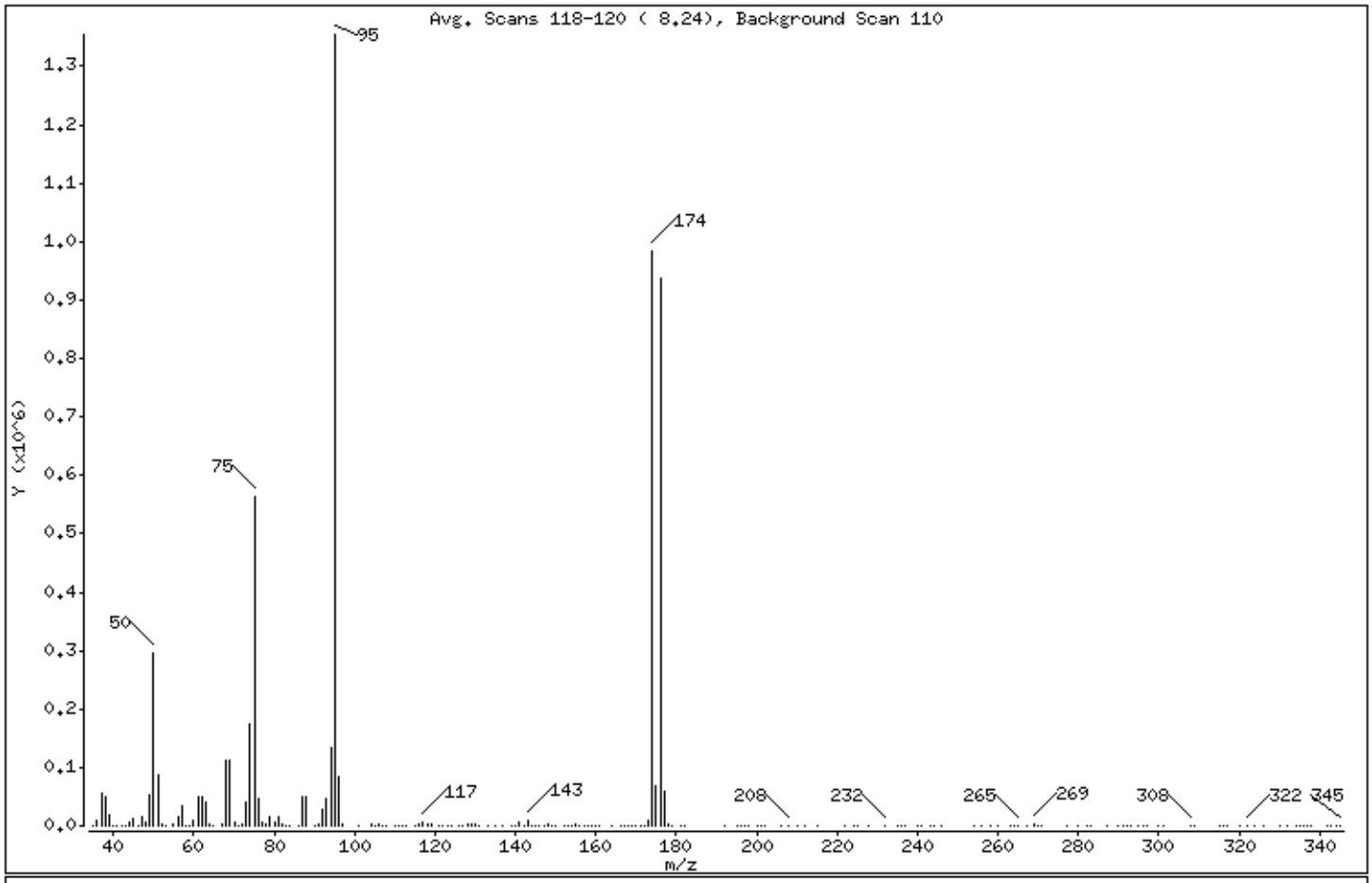
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.79
75	30.00 - 60.00% of mass 95	41.70
96	5.00 - 9.00% of mass 95	6.22
173	Less than 2.00% of mass 174	0.60 (0.83)
174	50.00 - 100.00% of mass 95	72.61
175	5.00 - 9.00% of mass 174	4.99 (6.87)
176	95.00 - 101.00% of mass 174	69.07 (95.13)
177	5.00 - 9.00% of mass 176	4.31 (6.23)

Date : 19-JUL-2007 13:46

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1071905.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 110
Location of Maximum: 95.00
Number of points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	62	88.00	48736	153.00	1220	244.00	242
36.00	9133	90.00	302	154.00	1003	246.00	57
37.00	55056	91.00	3265	155.00	3211	254.00	278
38.00	51032	92.00	28472	156.00	202	256.00	130
39.00	20184	93.00	46920	157.00	1423	258.00	50
40.00	730	94.00	133376	158.00	226	260.00	246
41.00	523	95.00	1354240	159.00	835	263.00	58
42.00	13	96.00	84288	160.00	189	264.00	86
43.00	597	97.00	3584	161.00	647	265.00	397
44.00	6211	101.00	233	164.00	587	267.00	204
45.00	11864	104.00	3267	166.00	64	269.00	1697
46.00	917	105.00	935	167.00	122	270.00	634
47.00	16512	106.00	3505	168.00	363	271.00	45
48.00	6043	107.00	1272	169.00	486	277.00	162
49.00	52368	108.00	194	170.00	568	280.00	247
50.00	295168	110.00	511	171.00	936	282.00	165
51.00	88056	111.00	977	172.00	768	283.00	583
52.00	3024	112.00	304	173.00	8156	287.00	53
53.00	24	113.00	159	174.00	983616	290.00	68
55.00	2062	115.00	1011	175.00	67552	291.00	158
56.00	15605	116.00	3018	176.00	935680	292.00	167
57.00	34184	117.00	5420	177.00	58336	293.00	282
58.00	1136	118.00	2863	178.00	1782	295.00	118
59.00	263	119.00	4144	179.00	58	296.00	72
60.00	8820	121.00	484	181.00	77	297.00	98
61.00	51184	122.00	422	182.00	76	300.00	58
62.00	49520	123.00	338	192.00	630	301.00	56
63.00	39072	124.00	642	195.00	396	308.00	244
64.00	3081	126.00	784	196.00	95	309.00	59
65.00	59	127.00	288	197.00	207	315.00	53
67.00	2314	128.00	2371	198.00	113	316.00	105
68.00	111544	129.00	1655	200.00	62	317.00	86
69.00	111232	130.00	3625	201.00	119	320.00	75
70.00	7515	131.00	1530	202.00	128	322.00	292
71.00	182	133.00	664	206.00	336	324.00	147

Date : 19-JUL-2007 13:46

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1071905.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 110
Location of Maximum: 95.00
Number of points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	3801	135.00	1401	208.00	1227	326.00	64
73.00	42000	137.00	1542	210.00	248	330.00	150
74.00	175168	139.00	949	212.00	53	332.00	218
75.00	564800	140.00	110	215.00	123	334.00	197
76.00	47984	141.00	6284	222.00	101	335.00	229
77.00	6606	142.00	1075	224.00	128	336.00	21
78.00	2698	143.00	8364	225.00	166	337.00	112
79.00	14505	144.00	845	228.00	65	338.00	166
80.00	5966	145.00	599	232.00	311	342.00	167
81.00	16776	146.00	1182	235.00	95	343.00	49
82.00	4400	147.00	407	236.00	162	344.00	190
83.00	765	148.00	2270	237.00	168	345.00	197
84.00	36	149.00	270	240.00	262		
86.00	1272	150.00	1244	241.00	115		
87.00	48408	152.00	289	243.00	150		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-20jul.b/1072001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 20-JUL-2007 10:03
Operator : cb Inst ID: msd1.i
Smp Info : 2uL #843-2915;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-20jul.b/bfb105.m
Meth Date : 20-Jul-2007 09:55 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.222	8.228	-0.006	95	1333284			100.00- 100.00	100.00
8.222	8.228	-0.006	50	294900			15.00- 40.00	22.12
8.222	8.228	-0.006	75	575695			30.00- 60.00	43.18
8.222	8.228	-0.006	96	86053			5.00- 9.00	6.45
8.222	8.228	-0.006	173	7210			0.00- 2.00	0.79
8.222	8.228	-0.006	174	909290			50.00- 100.00	68.20
8.222	8.228	-0.006	175	64676			5.00- 9.00	7.11
8.222	8.228	-0.006	176	878537			95.00- 101.00	96.62
8.222	8.228	-0.006	177	57349			5.00- 9.00	6.53

Data File: /var/chem/msd1.i/1-20jul.b/1072001.d

Date : 20-JUL-2007 10:03

Client ID: BFB

Instrument: msd1.i

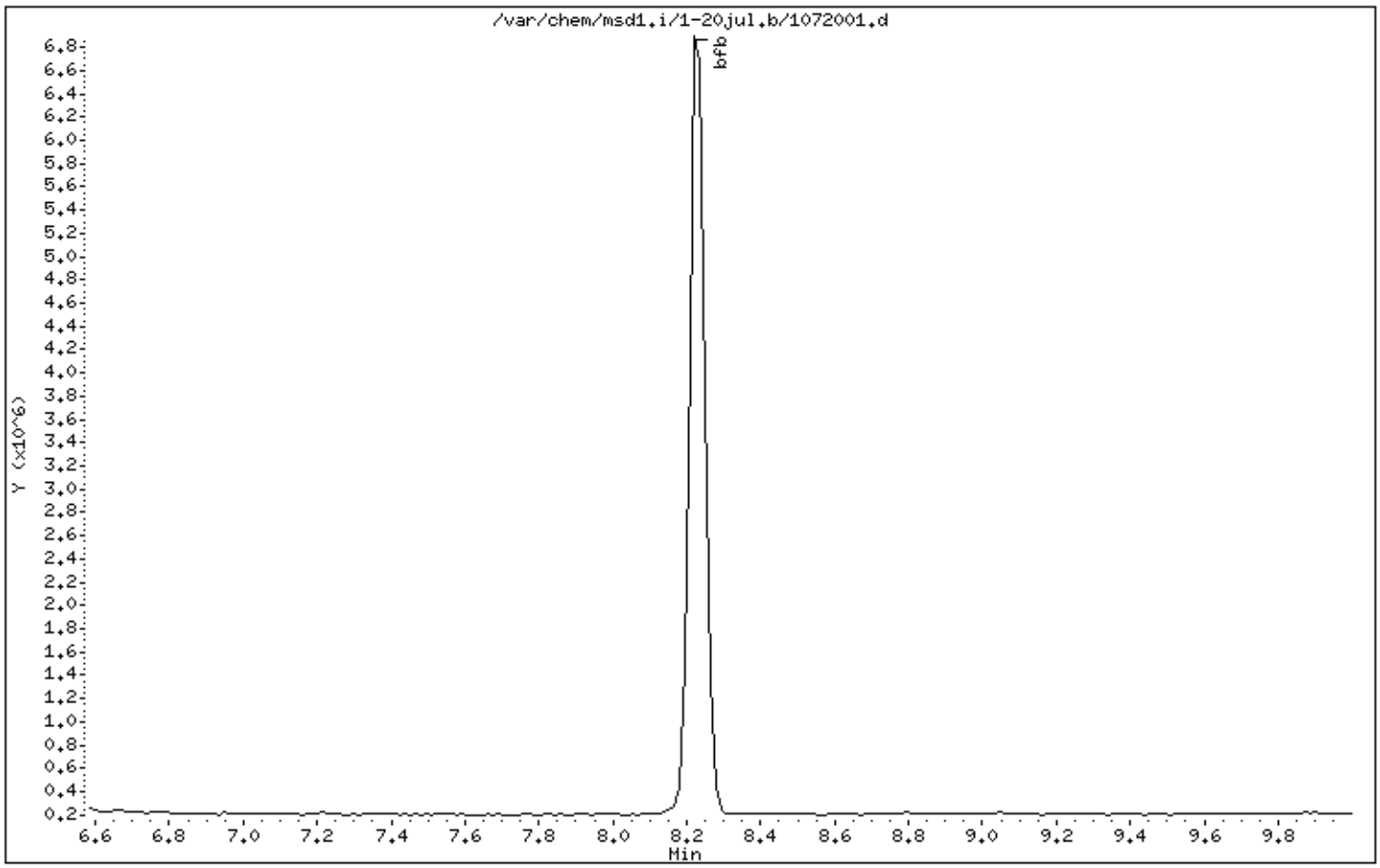
Sample Info: 2uL #843-2915;BFB tune check;BFB tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd1.i/1-20jul.b/1072001.d

Date : 20-JUL-2007 10:03

Client ID: BFB

Instrument: msd1.i

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

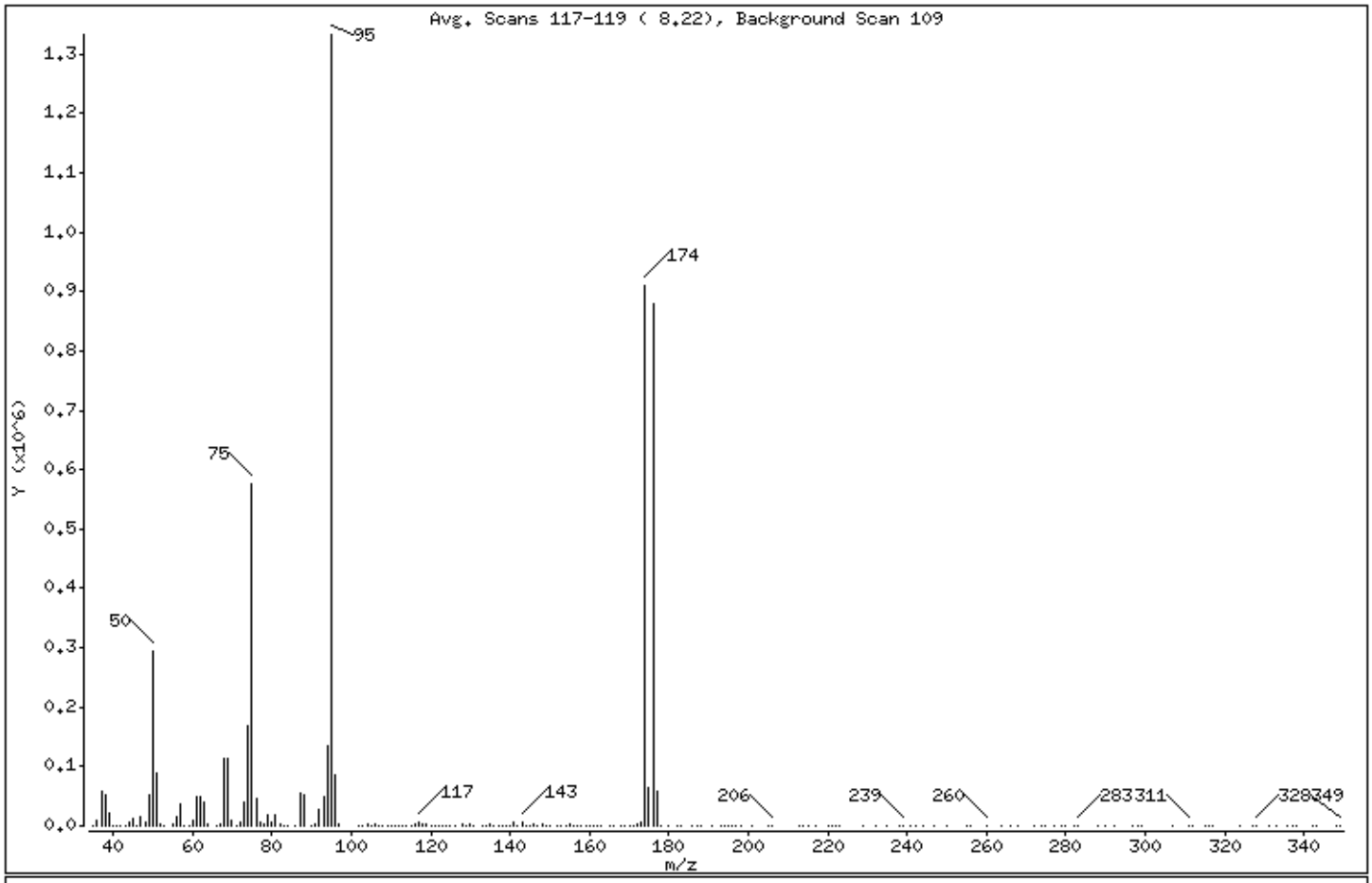
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.12
75	30.00 - 60.00% of mass 95	43.18
96	5.00 - 9.00% of mass 95	6.45
173	Less than 2.00% of mass 174	0.54 (0.79)
174	50.00 - 100.00% of mass 95	68.20
175	5.00 - 9.00% of mass 174	4.85 (7.11)
176	95.00 - 101.00% of mass 174	65.89 (96.62)
177	5.00 - 9.00% of mass 176	4.30 (6.53)

Data File: /var/chem/msd1.i/1-20jul.b/1072001.d

Date : 20-JUL-2007 10:03

Client ID: BFB

Instrument: msd1.i

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

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

Data File: 1072001.d
Spectrum: Avg. Scans 117-119 (8.22), Background Scan 109
Location of Maximum: 95.00
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	68	90.00	96	147.00	31	222.00	58
36.00	8375	91.00	1993	148.00	2226	223.00	188
37.00	56896	92.00	28840	149.00	778	229.00	75
38.00	53024	93.00	47752	150.00	1016	232.00	199
39.00	21952	94.00	135168	152.00	221	235.00	43
40.00	591	95.00	1333248	153.00	823	238.00	93
41.00	196	96.00	86048	154.00	689	239.00	336
42.00	238	97.00	2844	155.00	2277	241.00	119
43.00	483	102.00	65	156.00	556	242.00	138
44.00	6777	103.00	421	157.00	1452	244.00	72
45.00	11461	104.00	2941	158.00	425	247.00	76
46.00	545	105.00	1352	159.00	668	250.00	12
47.00	16164	106.00	3300	160.00	281	255.00	341
48.00	6954	107.00	1183	161.00	636	256.00	141
49.00	51768	108.00	98	162.00	161	260.00	641
50.00	294848	109.00	254	163.00	117	264.00	82
51.00	90320	110.00	515	165.00	381	266.00	8
52.00	2657	111.00	432	166.00	428	268.00	147
53.00	324	112.00	554	168.00	271	272.00	179
55.00	2103	113.00	775	169.00	493	274.00	131
56.00	16291	114.00	249	170.00	503	275.00	59
57.00	36288	115.00	798	171.00	453	277.00	68
58.00	976	116.00	2747	172.00	1707	279.00	232
59.00	109	117.00	5335	173.00	7210	280.00	75
60.00	9008	118.00	2779	174.00	909248	282.00	133
61.00	48624	119.00	3837	175.00	64672	283.00	264
62.00	50072	120.00	100	176.00	878528	288.00	87
63.00	38888	121.00	114	177.00	57344	290.00	51
64.00	3140	122.00	387	178.00	894	292.00	104
66.00	207	123.00	398	180.00	139	297.00	85
67.00	2803	124.00	500	182.00	118	298.00	66
68.00	114056	125.00	158	183.00	65	299.00	91
69.00	113240	126.00	579	186.00	57	307.00	105
70.00	8350	128.00	3900	187.00	173	311.00	225
71.00	424	129.00	1385	188.00	144	312.00	102

Date : 20-JUL-2007 10:03

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1072001.d
Spectrum: Avg. Scans 117-119 (8.22), Background Scan 109
Location of Maximum: 95.00
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	4829	130.00	3322	191.00	787	315.00	77
73.00	39912	131.00	1323	193.00	327	316.00	58
74.00	169664	133.00	337	194.00	175	317.00	80
75.00	575680	134.00	251	195.00	114	324.00	50
76.00	45624	135.00	1953	196.00	423	327.00	273
77.00	6531	136.00	494	197.00	29	328.00	377
78.00	4550	137.00	918	198.00	76	331.00	262
79.00	17832	138.00	243	201.00	125	333.00	114
80.00	6668	139.00	115	205.00	11	336.00	122
81.00	18616	140.00	446	206.00	628	337.00	93
82.00	4341	141.00	7288	213.00	55	338.00	126
83.00	589	142.00	1001	214.00	137	342.00	267
84.00	119	143.00	7391	215.00	66	343.00	8
86.00	1212	144.00	705	217.00	16	348.00	55
87.00	54288	145.00	342	220.00	53	349.00	189
88.00	51592	146.00	1561	221.00	149		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-30jul.b/1073001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 30-JUL-2007 08:09
Operator : cb Inst ID: msd1.i
Smp Info : 2uL #843-2915;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-30jul.b/bfb105.m
Meth Date : 30-Jul-2007 08:01 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.236	8.228	0.008	95	1040640			100.00- 100.00	100.00
8.236	8.228	0.008	50	240983			15.00- 40.00	23.16
8.236	8.228	0.008	75	448125			30.00- 60.00	43.06
8.236	8.228	0.008	96	68615			5.00- 9.00	6.59
8.236	8.228	0.008	173	5462			0.00- 2.00	0.73
8.236	8.228	0.008	174	743338			50.00- 100.00	71.43
8.236	8.228	0.008	175	53908			5.00- 9.00	7.25
8.236	8.228	0.008	176	712783			95.00- 101.00	95.89
8.236	8.228	0.008	177	44906			5.00- 9.00	6.30

Data File: /var/chem/msd1.i/1-30jul.b/1073001.d

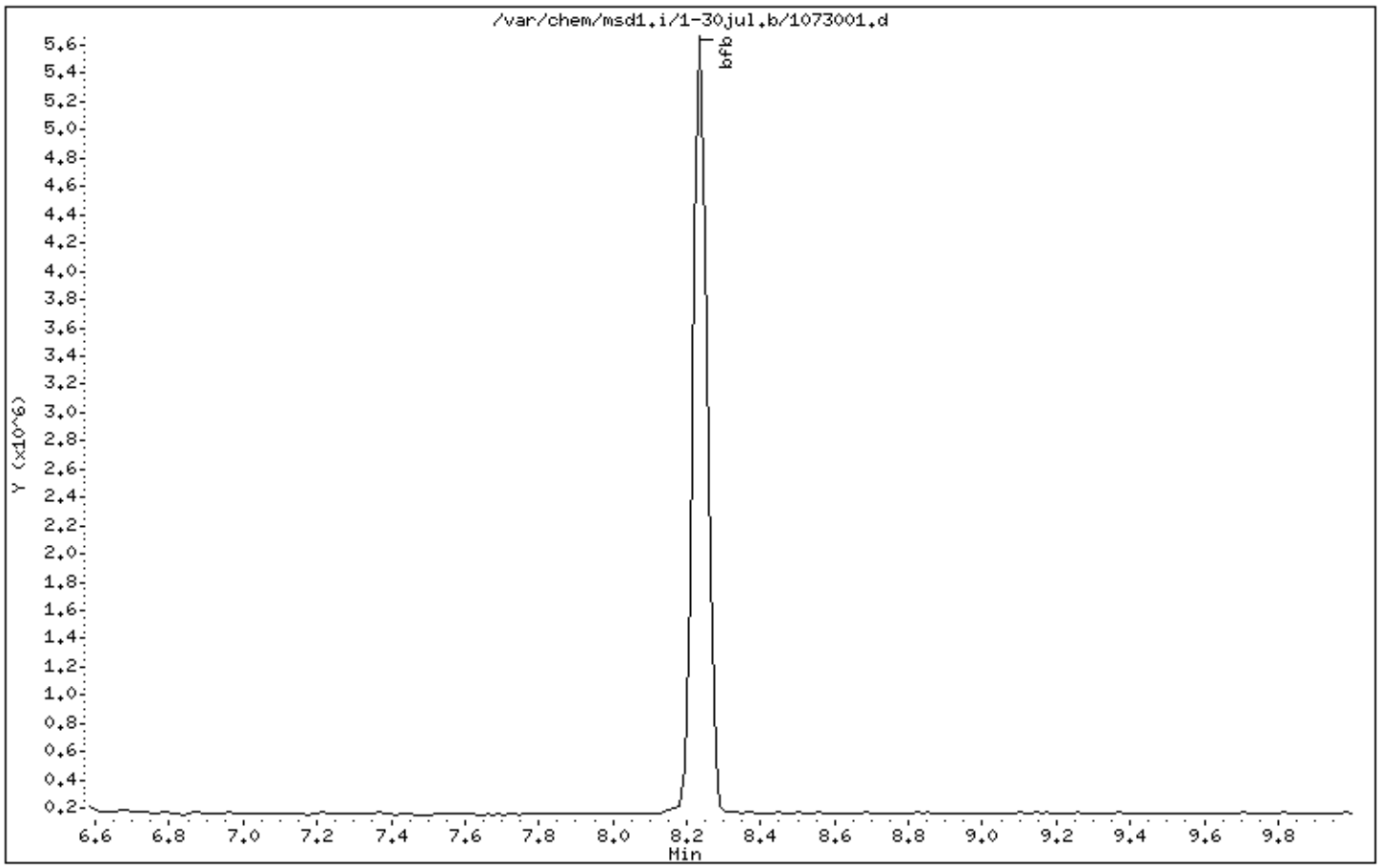
Date : 30-JUL-2007 08:09

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /var/chem/msd1.i/1-30jul.b/1073001.d

Date : 30-JUL-2007 08:09

Client ID: BFB

Instrument: msd1.i

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

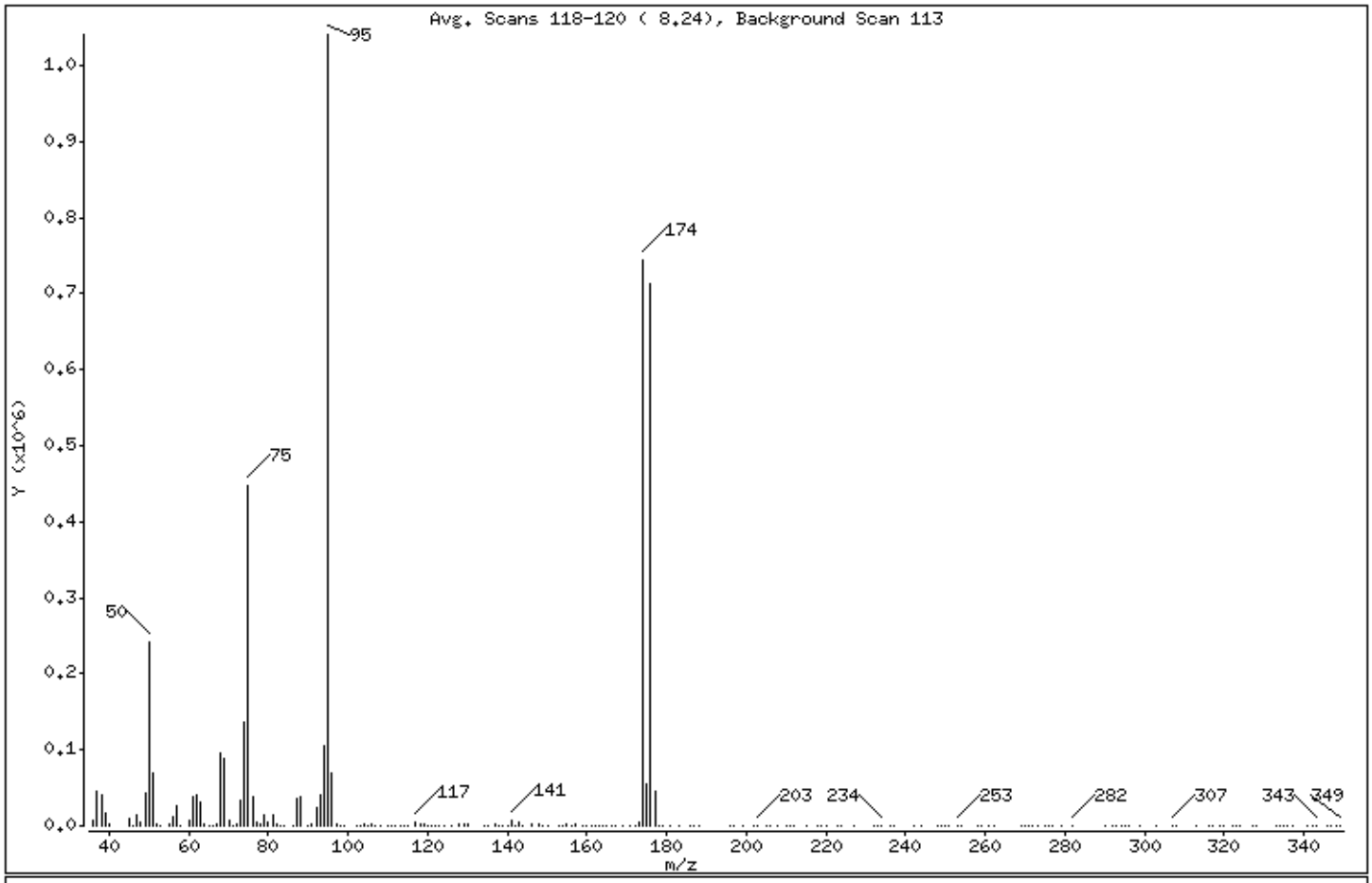
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.16
75	30.00 - 60.00% of mass 95	43.06
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.52 (0.73)
174	50.00 - 100.00% of mass 95	71.43
175	5.00 - 9.00% of mass 174	5.18 (7.25)
176	95.00 - 101.00% of mass 174	68.49 (95.89)
177	5.00 - 9.00% of mass 176	4.32 (6.30)

Date : 30-JUL-2007 08:09

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1073001.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 113
Location of Maximum: 95.00
Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7189	95.00	1040640	161.00	1005	253.00	469
37.00	45392	96.00	68608	162.00	54	254.00	287
38.00	41856	97.00	1522	163.00	618	258.00	157
39.00	17568	98.00	228	164.00	224	259.00	68
40.00	1347	99.00	60	165.00	14	261.00	267
45.00	9600	102.00	340	166.00	285	262.00	15
46.00	680	103.00	190	167.00	23	269.00	66
47.00	13205	104.00	2548	169.00	258	270.00	143
48.00	5358	105.00	859	171.00	1106	271.00	176
49.00	43024	106.00	2530	172.00	507	272.00	222
50.00	240960	107.00	623	173.00	5462	273.00	186
51.00	70448	108.00	163	174.00	743296	275.00	90
52.00	2573	110.00	483	175.00	53904	276.00	104
53.00	128	111.00	376	176.00	712768	277.00	104
55.00	2505	112.00	351	177.00	44904	279.00	66
56.00	12766	113.00	256	178.00	1092	282.00	833
57.00	26696	114.00	152	179.00	50	290.00	79
58.00	807	115.00	954	181.00	85	292.00	68
60.00	7235	117.00	3881	183.00	63	293.00	340
61.00	37928	118.00	2025	186.00	55	294.00	58
62.00	40560	119.00	3516	187.00	83	295.00	52
63.00	30984	120.00	182	188.00	157	296.00	61
64.00	2629	121.00	102	196.00	87	299.00	100
65.00	271	122.00	249	197.00	263	303.00	75
66.00	124	123.00	463	199.00	64	307.00	175
67.00	1559	124.00	319	202.00	120	308.00	93
68.00	94728	126.00	227	203.00	281	313.00	134
69.00	89072	128.00	2863	205.00	119	316.00	77
70.00	6426	129.00	1287	206.00	112	317.00	87
71.00	288	130.00	2573	208.00	100	319.00	69
72.00	3111	134.00	368	210.00	65	320.00	119
73.00	32848	135.00	1157	211.00	46	322.00	115
74.00	137216	137.00	1610	212.00	72	323.00	168
75.00	448064	138.00	132	215.00	62	324.00	191
76.00	37592	139.00	50	218.00	218	327.00	125

Date : 30-JUL-2007 08:09

Client ID: BFB Instrument: msd1.i

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

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: 1073001.d
Spectrum: Avg. Scans 118-120 (8.24), Background Scan 113
Location of Maximum: 95.00
Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	5602	140.00	229	219.00	35	328.00	35
78.00	2563	141.00	6536	220.00	71	333.00	76
79.00	13603	142.00	963	223.00	155	334.00	202
80.00	5075	143.00	5764	224.00	60	335.00	145
81.00	14059	144.00	353	227.00	89	336.00	167
82.00	3149	146.00	1308	232.00	11	337.00	173
83.00	550	148.00	1881	233.00	151	341.00	96
84.00	78	149.00	5	234.00	388	342.00	186
86.00	905	150.00	975	236.00	51	343.00	233
87.00	34768	153.00	716	237.00	56	346.00	222
88.00	38400	154.00	217	242.00	95	347.00	108
90.00	37	155.00	1906	244.00	60	348.00	56
91.00	2519	156.00	287	248.00	74	349.00	61
92.00	24024	157.00	1374	249.00	168		
93.00	39848	159.00	694	250.00	185		
94.00	104568	160.00	118	251.00	172		

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 #: 0707343
# of pages (Including Cover): 1

8/7/2007

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

The following discrepancies have been observed:

Sample identifications on the Chain of Custody (COC) for samples AMS1 DW 07/18/07 were not unique. The canister number was added to the identification to assure uniqueness.

Sample identification for sample TRIP BLANK was not provided on the Chain of Custody. Unless otherwise notified, the information on the sample tag will be used to process and report the sample.

Your prompt response is appreciated.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

Receipt VER 7/26/07

0221

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

Lab I.D.	Field Sample I.D.	Canister #	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	AMS1 DW 07/18/07	3240	7/18/07 0600 1407	TO-15 + Naphthalene	-28	-10	9.5
02A	AMS1 DW 07/18/07	R8	7/18/07 0600 1407	TO-15 + Naphthalene	-26	-12	13.0
03A	AMS3 DW 07/18/07	33384	7/18/07 0605 1407	TO-15+ Naphthalene	-28	-8	8.0
04A		35992		TRIP BLANK			29.0

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
07/18/07 1430	ATL 7/19/07 0830
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time

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

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8617 5870 7804		NA	Good	Yes No None	070734

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0707343

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: 08/02/07
Date Completed: 8/1/07
Date Received: 7/19/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 1,273.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS1 DW 07/18/07 (3740)	Modified TO-15	7/18/2007	9.5 "Hg	$225.00
02A	AMS1 DW 07/18/07 (R8)	Modified TO-15	7/18/2007	13.0 "Hg	$225.00
03A	AMS3 UW 07/18/07	Modified TO-15	7/18/2007	8.0 "Hg	$225.00
04A	TRIP BLANK	Modified TO-15	NA	29.0 "Hg	$225.00
05A	Lab Blank	Modified TO-15	NA	NA	$0.00
06A	CCV	Modified TO-15	NA	NA	$0.00
07A	LCS	Modified TO-15	NA	NA	$0.00

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

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

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

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Sample Discrepancy Report

Identification

Initiated By: MG **Date:** 7/19/07 **Discrepancy Type:** (circle all that apply) I. II. III. MG 7/24/07

Workorder(s) affected: 0707343 **Sample(s) affected:** 01A+02A, 04A

I. Sample Receipt Discrepancies

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

Narration not required:

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

Narration Required:

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

Describe the Discrepancy: 01A + 02A IDs are identical, use can# for uniqueness. 04A - Blank on COC, use ID tag MG

II. Sample Receipt/Screening Discrepancies requiring CSR notification

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

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

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☒ Number of samples on the COC does not match the number of samples that were received. MG 7/24/07
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

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

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

Air Toxics LTD.
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Media Certification Report

Canister Number: 6L#35992 w/11.5ml
Can#: 51645-35992
Date : 06/22/07 11:39
Data File: u062207.d

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

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		102.00	% Recovery
Toluene-d8	2037-26-5		97.00	% Recovery
4-Bromofluorobenzene	460-00-4		96.00	% Recovery

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Media Certification Report

Canister Number: F062538; 6L#3740 w/10.2ml+T:1
Date: 6/26/2007 03:39:24

Peak #	Quantification	CAS	Type	Conc.	Units
	1,1,1,2-Tetrafluoroethane		Not Found	0.000	ppbv
	Propylene		Not Found	0.000	ppbv
	1,1-Difluoroethane		Not Found	0.000	ppbv
	Freon 12		Not Found	0.000	ppbv
	Freon 114		Not Found	0.000	ppbv
	Butane		Not Found	0.000	ppbv
	Vinyl Chloride		Not Found	0.000	ppbv
	1,3-Butadiene		Not Found	0.000	ppbv
	Bromomethane		Not Found	0.000	ppbv
	Chloroethane		Not Found	0.000	ppbv
	Isopentane		Not Found	0.000	ppbv
	Vinyl bromide		Not Found	0.000	ppbv
	Freon 11		Not Found	0.000	ppbv
	Ethanol		Not Found	0.000	ppbv
	Freon 113		Not Found	0.000	ppbv
	1,1-Dichloroethene		Not Found	0.000	ppbv
	Acetone		Not Found	0.000	ppbv
	2-Methylpentane		Not Found	0.000	ppbv
	3-Chloropropene		Not Found	0.000	ppbv
	Methyl Acetate		Not Found	0.000	ppbv
	tert-Butyl alcohol		Not Found	0.000	ppbv
	trans-1,2-Dichloroethene		Not Found	0.000	ppbv
	Methyl tert-butyl ether		Not Found	0.000	ppbv
	Acrylonitrile		Not Found	0.000	ppbv
	Hexane		Not Found	0.000	ppbv
	1,1-Dichloroethane		Not Found	0.000	ppbv
	Isopropyl ether		Not Found	0.000	ppbv
	Vinyl Acetate		Not Found	0.000	ppbv
	Chloroprene		Not Found	0.000	ppbv
	Ethyl-tert-butyl ether		Not Found	0.000	ppbv
	2,2-Dichloropropane		Not Found	0.000	ppbv
	cis-1,2-Dichloroethene		Not Found	0.000	ppbv
	Cyclohexane		Not Found	0.000	ppbv
	2,3-Dimethylpentane		Not Found	0.000	ppbv
	1,1,1-Trichloroethane		Not Found	0.000	ppbv
	Carbon Tetrachloride		Not Found	0.000	ppbv
	1,1-Dichloropropene		Not Found	0.000	ppbv
	2,2,4-Trimethylpentane		Not Found	0.000	ppbv
	tert-Amyl Methyl ether		Not Found	0.000	ppbv
	Heptane		Not Found	0.000	ppbv
	1,2-Dichloroethane		Not Found	0.000	ppbv
	Thiophene		Not Found	0.000	ppbv
	Methylcyclohexane		Not Found	0.000	ppbv
	1,2-Dichloropropane		Not Found	0.000	ppbv
	1,4-Dioxane		Not Found	0.000	ppbv
	Bromodichloromethane		Not Found	0.000	ppbv
	cis-1,3-Dichloropropene		Not Found	0.000	ppbv
	4-Methyl-2-pentanone		Not Found	0.000	ppbv

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Media Certification Report

Canister Number: F062538; 6L#3740 w/10.2ml+T:1
Date: 6/26/2007 03:39:24

Peak #	Quantification	CAS	Type	Conc.	Units
	trans-1,3-Dichloropropene		Not Found	0.000	ppbv
	1,1,2-Trichloroethane		Not Found	0.000	ppbv
	Tetrachloroethene		Not Found	0.000	ppbv
	2-Hexanone		Not Found	0.000	ppbv
	Dibromochloromethane		Not Found	0.000	ppbv
	1,2-Dibromoethane (EDB)		Not Found	0.000	ppbv
	Chlorobenzene		Not Found	0.000	ppbv
	1,1,1,2-Tetrachloroethane		Not Found	0.000	ppbv
	m,p-Xylene		Not Found	0.000	ppbv
	o-Xylene		Not Found	0.000	ppbv
	Bromoform		Not Found	0.000	ppbv
	Cumene		Not Found	0.000	ppbv
	1,1,2,2-Tetrachloroethane		Not Found	0.000	ppbv
	Propylbenzene		Not Found	0.000	ppbv
	1,2,3-Trichloropropane		Not Found	0.000	ppbv
	4-Ethyltoluene		Not Found	0.000	ppbv
	1,3,5-Trimethylbenzene		Not Found	0.000	ppbv
	tert-Butylbenzene		Not Found	0.000	ppbv
	1,2,4-Trimethylbenzene		Not Found	0.000	ppbv
	Pentachloroethane		Not Found	0.000	ppbv
	sec-Butylbenzene		Not Found	0.000	ppbv
	p-Cymene		Not Found	0.000	ppbv
	1,3-Dichlorobenzene		Not Found	0.000	ppbv
	1,4-Dichlorobenzene		Not Found	0.000	ppbv
	alpha-Chlorotoluene		Not Found	0.000	ppbv
	Indan		Not Found	0.000	ppbv
	Butylbenzene		Not Found	0.000	ppbv
	1,2-Dichlorobenzene		Not Found	0.000	ppbv
	Indene		Not Found	0.000	ppbv
	Hexachloroethane		Not Found	0.000	ppbv
	1,2-Dibromo-3-chloropropane		Not Found	0.000	ppbv
	1,2,4-Trichlorobenzene		Not Found	0.000	ppbv
	Hexachlorobutadiene		Not Found	0.000	ppbv
	Naphthalene		Not Found	0.000	ppbv
	1,2,3-Trichlorobenzene		Not Found	0.000	ppbv
2	Chloromethane	56630-29-6	Quantified	0.008781	ppbv
8	Acrolein	55255-50-0	Quantified	0.000	ppbv
10	Carbon Disulfide	75-15-0	Quantified	0.02959	ppbv
12	2-Propanol	0-00-0	Quantified	0.02080	ppbv
14	Methylene Chloride	75-09-2	Quantified	0.02863	ppbv
19	2-Butanone (Methyl Ethyl Ketone)	56847-05-3	Quantified	0.02522	ppbv
19	Ethyl Acetate	56847-05-3	Quantified	0.05345	ppbv
22	Bromochloromethane-IS	74-97-5	Quantified	0.000	ppbv
22	Chloroform	74-97-5	Quantified	0.001691	ppbv
23	Tetrahydrofuran	106-88-7	Quantified	0.03600	ppbv
24	Benzene	22592-15-0	Quantified	0.03047	ppbv
25	1,2-Dichloroethane-d4	930-29-0	Quantified	4.264	ppbv
28	1,4-Difluorobenzene-IS	540-36-3	Quantified	0.000	ppbv

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Media Certification Report

Canister Number: F062538; 6L#3740 w/10.2ml+T:1
Date: 6/26/2007 03:39:24

Peak #	Quantification	CAS	Type	Conc.	Units
29	Trichloroethene	7117-36-4	Quantified	0.001332	ppbv
33	Dibromomethane	74-95-3	Quantified	0.000	ppbv
35	Toluene-D8	2037-26-5	Quantified	4.514	ppbv
36	Toluene	103439-00-5	Quantified	0.003651	ppbv
42	Chlorobenzene-d5-IS	3114-55-4	Quantified	0.000	ppbv
42	Ethyl Benzene	3114-55-4	Quantified	0.008821	ppbv
43	Styrene	0-00-0	Quantified	0.005446	ppbv
45	Bromofluorobenzene	1073-06-9	Quantified	5.221	ppbv

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Media Certification Report

Canister Number: F062539; 6L#R-8 w/10.2ml+T:1
Date: 6/26/2007 04:02:09

Peak #	Quantification	CAS	Type	Conc.	Units
	1,1,1,2-Tetrafluoroethane		Not Found	0.000	ppbv
	Propylene		Not Found	0.000	ppbv
	Freon 12		Not Found	0.000	ppbv
	Freon 114		Not Found	0.000	ppbv
	Chloromethane		Not Found	0.000	ppbv
	Butane		Not Found	0.000	ppbv
	Vinyl Chloride		Not Found	0.000	ppbv
	1,3-Butadiene		Not Found	0.000	ppbv
	Bromomethane		Not Found	0.000	ppbv
	Chloroethane		Not Found	0.000	ppbv
	Isopentane		Not Found	0.000	ppbv
	Vinyl bromide		Not Found	0.000	ppbv
	Ethanol		Not Found	0.000	ppbv
	Freon 113		Not Found	0.000	ppbv
	1,1-Dichloroethene		Not Found	0.000	ppbv
	Acrolein		Not Found	0.000	ppbv
	Acetone		Not Found	0.000	ppbv
	2-Propanol		Not Found	0.000	ppbv
	2-Methylpentane		Not Found	0.000	ppbv
	3-Chloropropene		Not Found	0.000	ppbv
	Methyl Acetate		Not Found	0.000	ppbv
	tert-Butyl alcohol		Not Found	0.000	ppbv
	trans-1,2-Dichloroethene		Not Found	0.000	ppbv
	Methyl tert-butyl ether		Not Found	0.000	ppbv
	Hexane		Not Found	0.000	ppbv
	1,1-Dichloroethane		Not Found	0.000	ppbv
	Isopropyl ether		Not Found	0.000	ppbv
	Vinyl Acetate		Not Found	0.000	ppbv
	Chloroprene		Not Found	0.000	ppbv
	Ethyl-tert-butyl ether		Not Found	0.000	ppbv
	2,2-Dichloropropane		Not Found	0.000	ppbv
	cis-1,2-Dichloroethene		Not Found	0.000	ppbv
	2-Butanone (Methyl Ethyl Ketone)		Not Found	0.000	ppbv
	Cyclohexane		Not Found	0.000	ppbv
	2,3-Dimethylpentane		Not Found	0.000	ppbv
	1,1,1-Trichloroethane		Not Found	0.000	ppbv
	Carbon Tetrachloride		Not Found	0.000	ppbv
	1,1-Dichloropropene		Not Found	0.000	ppbv
	2,2,4-Trimethylpentane		Not Found	0.000	ppbv
	tert-Amyl Methyl ether		Not Found	0.000	ppbv
	Heptane		Not Found	0.000	ppbv
	1,2-Dichloroethane		Not Found	0.000	ppbv
	Thiophene		Not Found	0.000	ppbv
	Methylcyclohexane		Not Found	0.000	ppbv
	1,2-Dichloropropane		Not Found	0.000	ppbv
	1,4-Dioxane		Not Found	0.000	ppbv
	Bromodichloromethane		Not Found	0.000	ppbv
	cis-1,3-Dichloropropene		Not Found	0.000	ppbv

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Media Certification Report

Canister Number: F062539; 6L#R-8 w/10.2ml+T:1
Date: 6/26/2007 04:02:09

Peak #	Quantification	CAS	Type	Conc.	Units
	4-Methyl-2-pentanone		Not Found	0.000	ppbv
	trans-1,3-Dichloropropene		Not Found	0.000	ppbv
	1,1,2-Trichloroethane		Not Found	0.000	ppbv
	Tetrachloroethene		Not Found	0.000	ppbv
	2-Hexanone		Not Found	0.000	ppbv
	Dibromochloromethane		Not Found	0.000	ppbv
	1,2-Dibromoethane (EDB)		Not Found	0.000	ppbv
	Chlorobenzene		Not Found	0.000	ppbv
	1,1,1,2-Tetrachloroethane		Not Found	0.000	ppbv
	m,p-Xylene		Not Found	0.000	ppbv
	o-Xylene		Not Found	0.000	ppbv
	Bromoform		Not Found	0.000	ppbv
	Cumene		Not Found	0.000	ppbv
	1,1,2,2-Tetrachloroethane		Not Found	0.000	ppbv
	Propylbenzene		Not Found	0.000	ppbv
	1,2,3-Trichloropropane		Not Found	0.000	ppbv
	4-Ethyltoluene		Not Found	0.000	ppbv
	1,3,5-Trimethylbenzene		Not Found	0.000	ppbv
	tert-Butylbenzene		Not Found	0.000	ppbv
	1,2,4-Trimethylbenzene		Not Found	0.000	ppbv
	Pentachloroethane		Not Found	0.000	ppbv
	sec-Butylbenzene		Not Found	0.000	ppbv
	p-Cymene		Not Found	0.000	ppbv
	1,3-Dichlorobenzene		Not Found	0.000	ppbv
	1,4-Dichlorobenzene		Not Found	0.000	ppbv
	alpha-Chlorotoluene		Not Found	0.000	ppbv
	Indan		Not Found	0.000	ppbv
	Butylbenzene		Not Found	0.000	ppbv
	1,2-Dichlorobenzene		Not Found	0.000	ppbv
	Indene		Not Found	0.000	ppbv
	Hexachloroethane		Not Found	0.000	ppbv
	1,2-Dibromo-3-chloropropane		Not Found	0.000	ppbv
	1,2,4-Trichlorobenzene		Not Found	0.000	ppbv
	Hexachlorobutadiene		Not Found	0.000	ppbv
	Naphthalene		Not Found	0.000	ppbv
	1,2,3-Trichlorobenzene		Not Found	0.000	ppbv
3	1,1-Difluoroethane	75-37-6	Quantified	0.1140	ppbv
8	Freon 11	18100-65-7	Quantified	0.001705	ppbv
10	Carbon Disulfide	75-15-0	Quantified	0.02937	ppbv
15	Methylene Chloride	75-09-2	Quantified	0.02807	ppbv
16	Acrylonitrile	55255-50-0	Quantified	0.01873	ppbv
21	Ethyl Acetate	56053-19-1	Quantified	0.007278	ppbv
24	Bromochloromethane-IS	74-97-5	Quantified	0.000	ppbv
24	Chloroform	74-97-5	Quantified	0.001767	ppbv
25	Tetrahydrofuran	140650-86-8	Quantified	0.04749	ppbv
26	Benzene	22592-15-0	Quantified	0.02517	ppbv
27	1,2-Dichloroethane-d4	930-29-0	Quantified	4.317	ppbv
30	1,4-Difluorobenzene-IS	540-36-3	Quantified	0.000	ppbv

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Media Certification Report

Canister Number: F062539; 6L#R-8 w/10.2ml+T:1
Date: 6/26/2007 04:02:09

Peak #	Quantification	CAS	Type	Conc.	Units
32	Trichloroethene	123629-38-9	Quantified	0.006816	ppbv
34	Dibromomethane	74-95-3	Quantified	0.000	ppbv
36	Toluene-D8	2037-26-5	Quantified	4.511	ppbv
37	Toluene	467-04-9	Quantified	0.005163	ppbv
44	Chlorobenzene-d5-IS	3114-55-4	Quantified	0.000	ppbv
44	Ethyl Benzene	3114-55-4	Quantified	0.005988	ppbv
45	Styrene	0-00-0	Quantified	0.004693	ppbv
47	Bromofluorobenzene	1073-06-9	Quantified	5.244	ppbv

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DATA REVIEW CHECKLIST

Work Order #: 0707343

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

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

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

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

2-Butanone in trip blank (04A) - notified CSR

M/Q: _____

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
CB 7/31/07	R: [illegible] 8/1/07	[illegible] 8/1/07	
[illegible] 8/1/07	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