
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 #: 0707015

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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	7/19/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707015

Work Order Summary

CLIENT:	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033	**BILL TO:**	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 Bayshore
DATE RECEIVED:	07/02/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	07/16/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	UWAMS-5	Modified TO-15	7.5 "Hg
02A	DWAMS-2	Modified TO-15	9.0 "Hg
02AA	DWAMS-2 Lab Duplicate	Modified TO-15	9.0 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 07/16/07

Laboratory Director

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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0707015

Two 6 Liter Summa Canister samples were received on July 02, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
UWAMS-5	0707015-01A	6/28/2007	7/ 2/2007	NA	14	7/12/2007	NA	Good
DWAMS-2	0707015-02A	6/28/2007	7/ 2/2007	NA	14	7/12/2007	NA	Good
DWAMS-2 Lab Duplicate	0707015-02AA	6/28/2007	7/ 2/2007	NA	14	7/12/2007	NA	Good
Lab Blank	0707015-03A	NA	NA	NA	NA	7/11/2007	NA	Good
CCV	0707015-04A	NA	NA	NA	NA	7/11/2007	NA	Good
LCS	0707015-05A	NA	NA	NA	NA	7/11/2007	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: UWAMS-5

Lab ID#: 0707015-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methylene Chloride	0.90	1.5	3.1	5.1
Toluene	0.90	46	3.4	170
Hexane	0.90	5.4	3.2	19
Cyclohexane	0.90	2.5	3.1	8.6
Heptane	0.90	1.4	3.7	5.8
Acetone	3.6	20	8.5	47
2-Propanol	3.6	4.3	8.8	10
2-Butanone (Methyl Ethyl Ketone)	0.90	2.2	2.6	6.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS-5

Lab ID#: 0707015-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071123**	**Date of Collection:**	**6/28/07**
Dil. Factor:	**1.79**	**Date of Analysis:**	**7/12/07 02:45 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.90	Not Detected	4.4	Not Detected
Freon 114	0.90	Not Detected	6.2	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	1.5	3.1	5.1
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Chloroform	0.90	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.90	Not Detected	3.6	Not Detected
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	46	3.4	170
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	Not Detected	3.9	Not Detected
m,p-Xylene	0.90	Not Detected	3.9	Not Detected
o-Xylene	0.90	Not Detected	3.9	Not Detected
Styrene	0.90	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Hexane	0.90	5.4	3.2	19
Cyclohexane	0.90	2.5	3.1	8.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS-5

Lab ID#: 0707015-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071123**	**Date of Collection: 6/28/07**	
Dil. Factor:	**1.79**	**Date of Analysis: 7/12/07 02:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.90	1.4	3.7	5.8
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
Chloromethane	3.6	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected
Acetone	3.6	20	8.5	47
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	3.6	4.3	8.8	10
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	2.2	2.6	6.4
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	3.6	Not Detected	15	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	3.6	Not Detected	6.7	Not Detected
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
3-Chloropropene	3.6	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Naphthalene	3.6	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071123.d
Lab Smp Id: 0707015-01A Client Smp ID: 1.79
Inj Date : 12-JUL-2007 02:45
Operator : dm Inst ID: msd5.i
Smp Info : 200mL #22500
Misc Info : 7.5"Hg-5.0psi
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 15:25 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1
Dil Factor: 1.79000
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
* 71 Bromochloromethane					CAS #: 74-97-5		
8.214	8.214 (1.000)	130	212821	25.0000		80.00- 120.00	100.00
8.214	8.214 (1.000)	128	165115			48.36- 108.36	77.58
8.214	8.214 (1.000)	49	465482			183.11- 243.11	218.72
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	750976	25.0000		80.00- 120.00	100.00
10.067	10.067 (1.000)	88	125728			0.00- 47.41	16.74
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	608803	25.0000		80.00- 120.00	100.00
15.099	15.099 (1.000)	82	374715			30.57- 90.57	61.55
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.128)	65	413923	23.8906	23.890	80.00- 120.00	100.00
9.293	9.265 (1.131)	67	175275			28.18- 88.18	42.34
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	649640	24.8548	24.855	80.00- 120.00	100.00
12.832	12.832 (1.275)	70	79193			0.00- 41.76	12.19

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	389017			41.06- 101.06	59.88
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	408384	24.6393	24.639	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	626856			118.11- 178.11	153.50
16.675	16.675 (1.104)	176	387444			63.81- 123.81	94.87
32 Acetone					CAS #: 67-64-1		
4.869	4.841 (0.593)	58	129692	11.0198	19.725	80.00- 120.00	100.00
4.841	4.841 (0.589)	43	605654			345.94- 405.94	466.99
36 2-Propanol					CAS #: 67-63-0		
5.062	5.062 (0.616)	45	121951	2.40399	4.303	80.00- 120.00	100.00
4.841	5.062 (0.589)	43	605654			0.00- 51.25	496.64
5.035	5.062 (0.613)	59	3978			0.00- 33.26	3.26
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.680)	49	25283	0.81658	1.462	80.00- 120.00	100.00
5.588	5.588 (0.680)	84	10554			19.51- 79.51	41.75
5.532	5.588 (0.673)	51	17449			0.00- 59.62	69.02
51 Hexane					CAS #: 110-54-3		
6.306	6.307 (0.768)	57	120975	3.03340	5.430	80.00- 120.00	100.00
6.279	6.307 (0.764)	43	94858			48.00- 108.00	78.41
6.306	6.307 (0.768)	86	16137			0.00- 43.50	13.34
67 2-Butanone					CAS #: 78-93-3		
7.827	7.800 (0.953)	72	8656	1.22345	2.190	80.00- 120.00	100.00
7.855	7.800 (0.956)	43	163133			733.78- 793.78	1884.49
7.799	7.800 (0.950)	57	4884			17.94- 77.94	56.42
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.574 (1.040)	84	26200	1.38767	2.484	80.00- 120.00	100.00
8.574	8.574 (1.044)	56	64946			133.78- 193.78	247.88
8.601	8.574 (1.047)	41	55547			77.08- 137.08	212.01
90 Heptane					CAS #: 142-82-5		
9.624	9.652 (0.956)	100	3757	0.79852	1.429	80.00- 120.00	100.00
9.624	9.652 (0.956)	43	12965			838.33- 898.33	345.08
9.624	9.652 (0.956)	71	4138			240.92- 300.92	110.15
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	877667	25.4512	45.558	80.00- 120.00	100.00
12.942	12.942 (1.286)	92	488324			28.05- 88.05	55.64

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071123.d
Lab Smp Id: 0707015-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 7.5"Hg-5.0psi

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: 1.79
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	212821	-34.12
92 1,4-Difluorobenze	1158147	694888	1621406	750976	-35.16
125 Chlorobenzene-d5	945083	567050	1323116	608803	-35.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.21	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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: 16-Jul-2007 12:10

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-11jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707015-01A Client Smp ID: 1.79
Level: LOW Operator: dm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 7.5"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	23.890	95.56	70-130
$ 107 Toluene-d8	25.000	24.855	99.42	70-130
$ 138 Bromofluorobenzene	25.000	24.639	98.56	70-130

Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Sample Info: 200mL #22500

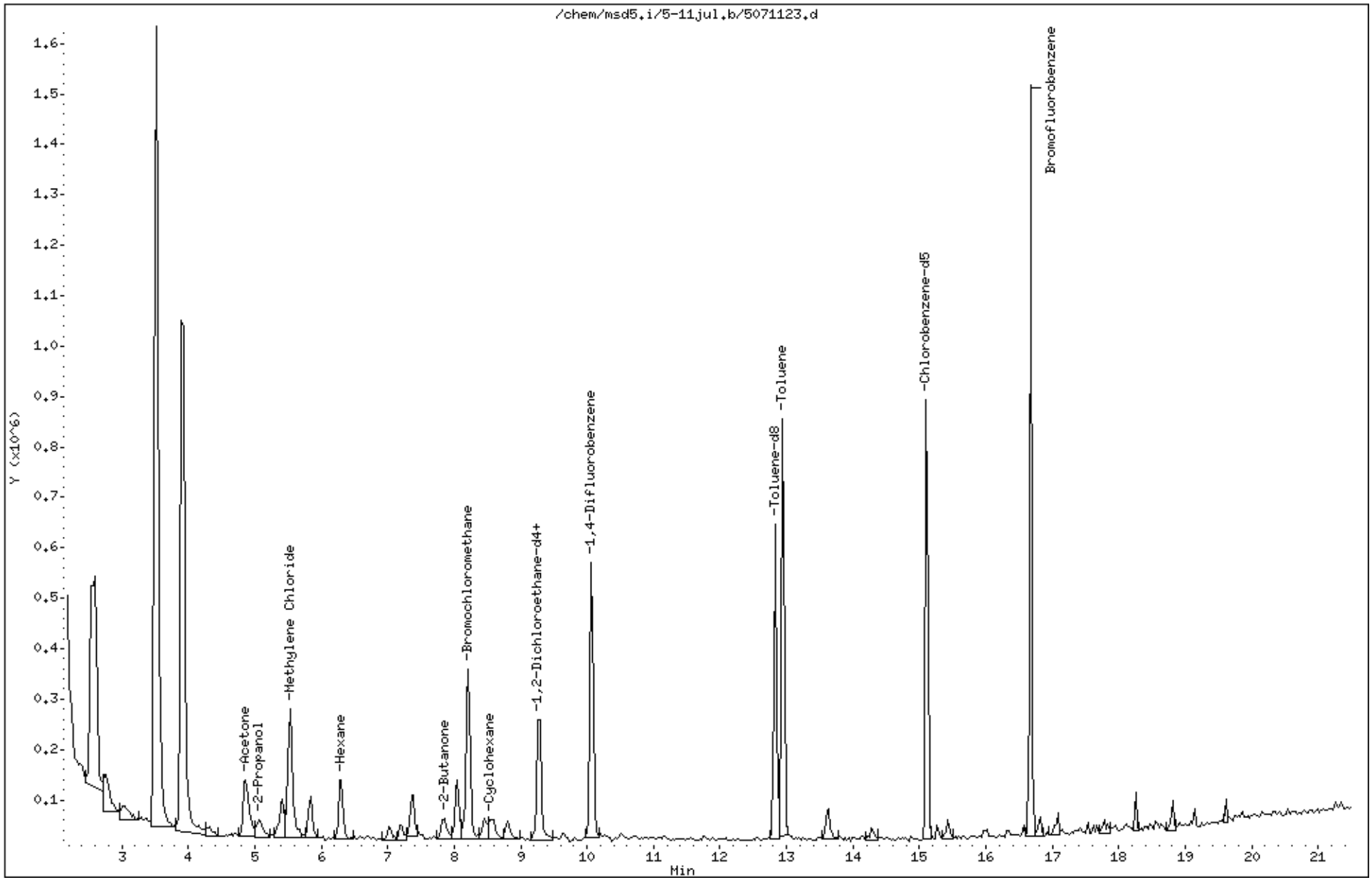
Column phase: RTx-624

Instrument: msd5.i

Operator: dm

Column diameter: 0.53

0013



Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

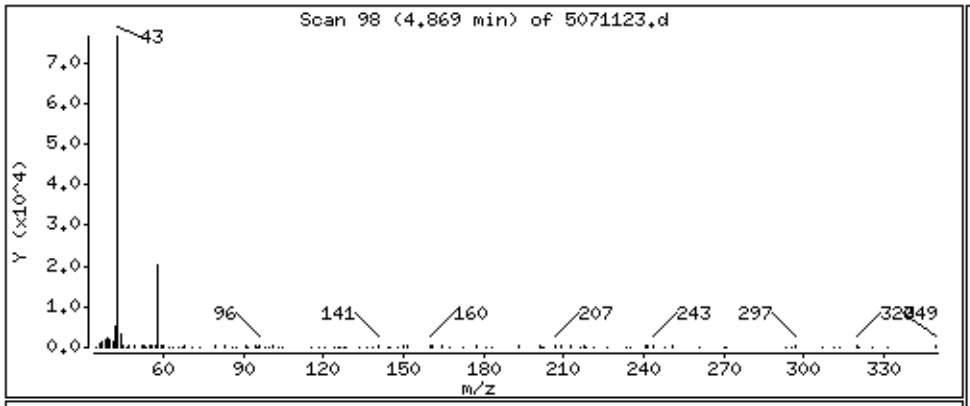
Operator: dm

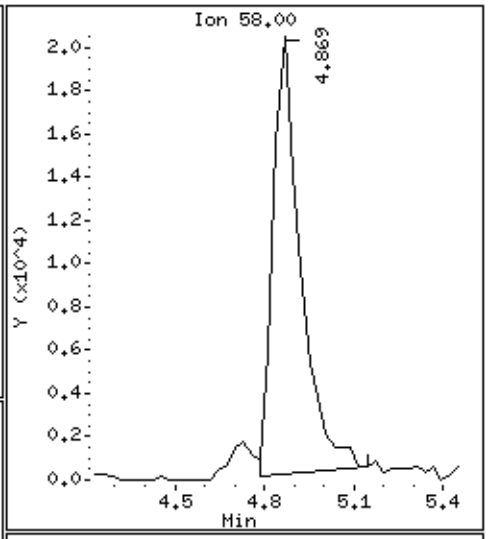
Column phase: RTx-624

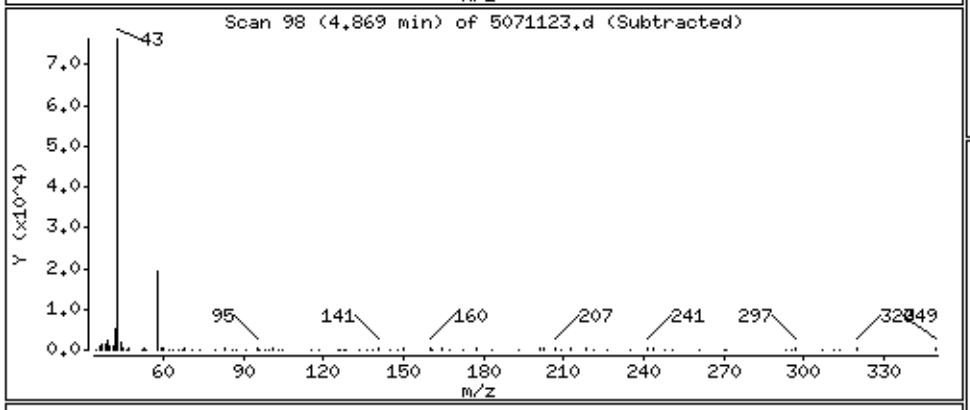
Column diameter: 0.53

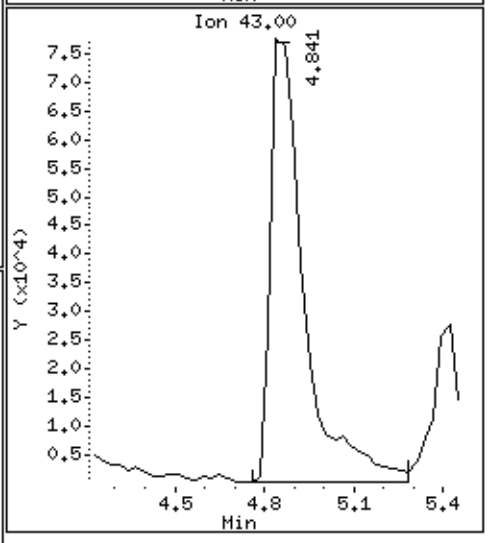
32 Acetone

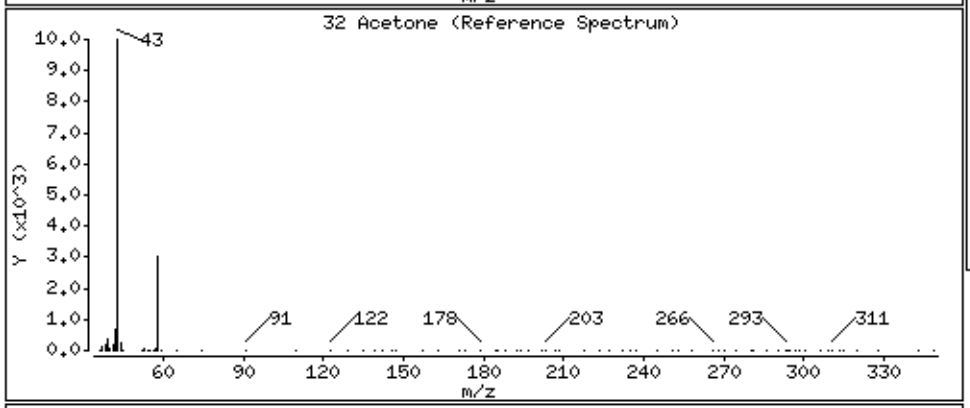
Concentration: 19.725 PPBV

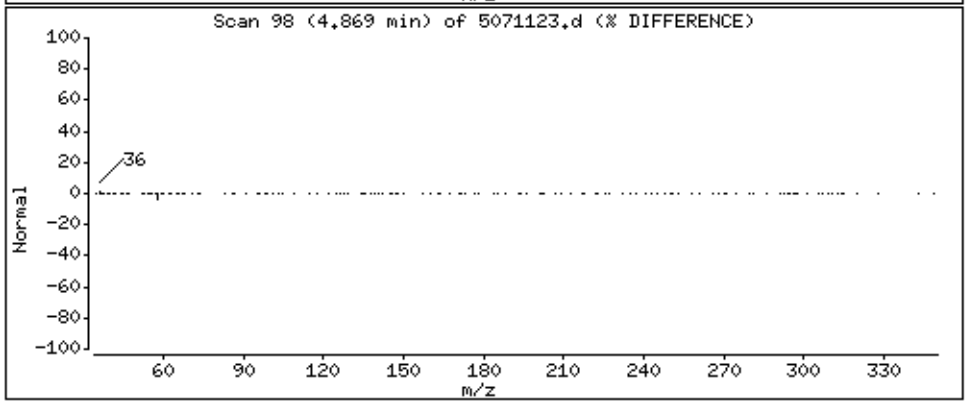












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

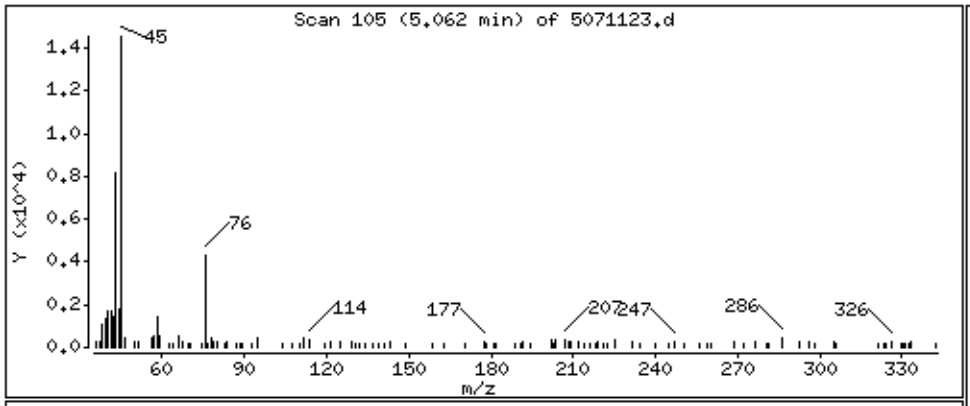
Operator: dm

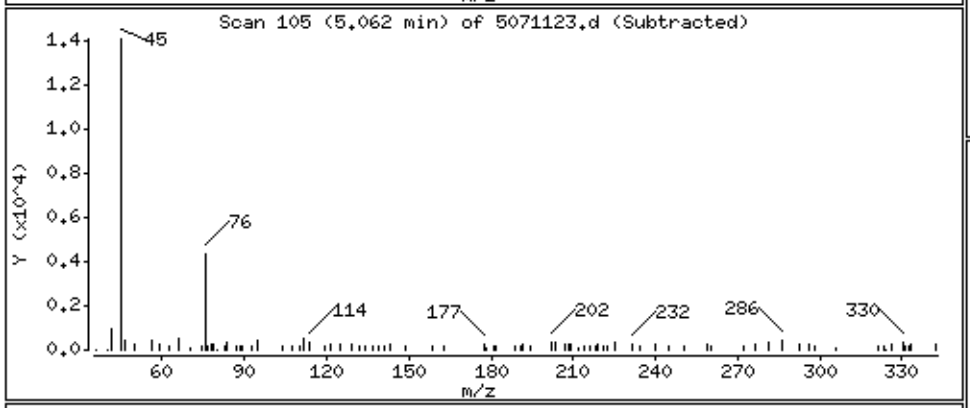
Column phase: RTx-624

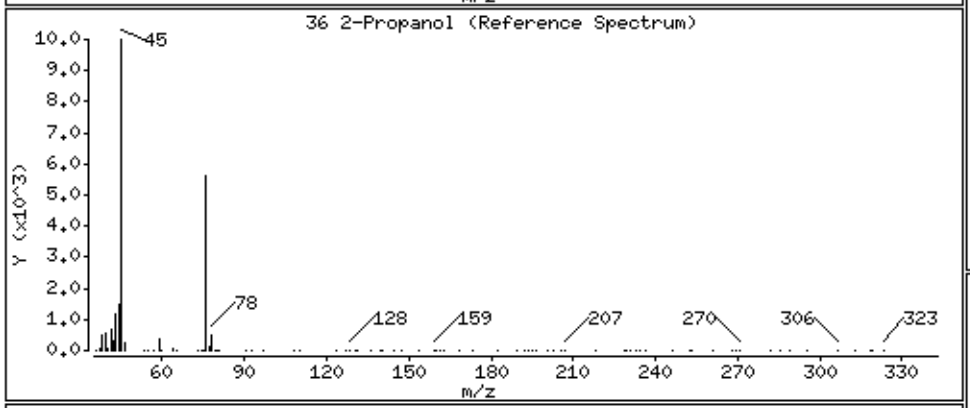
Column diameter: 0.53

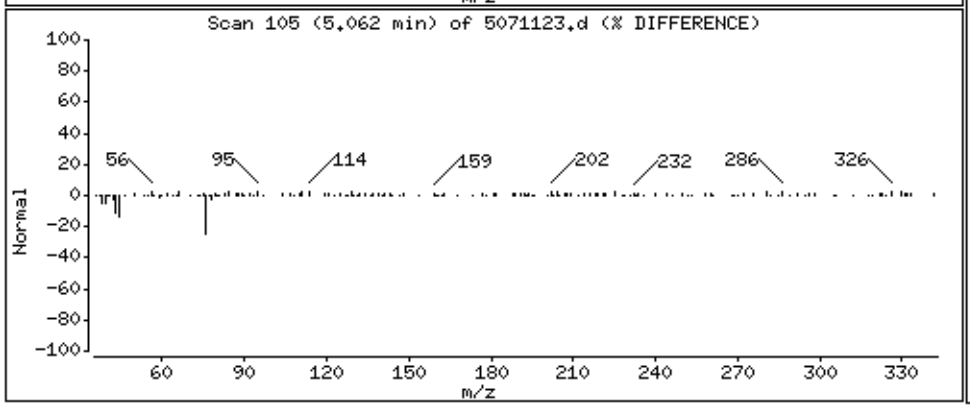
36 2-Propanol

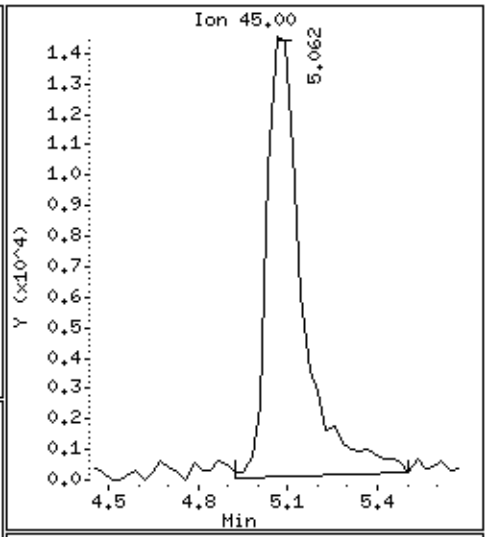
Concentration: 4.303 PPBV

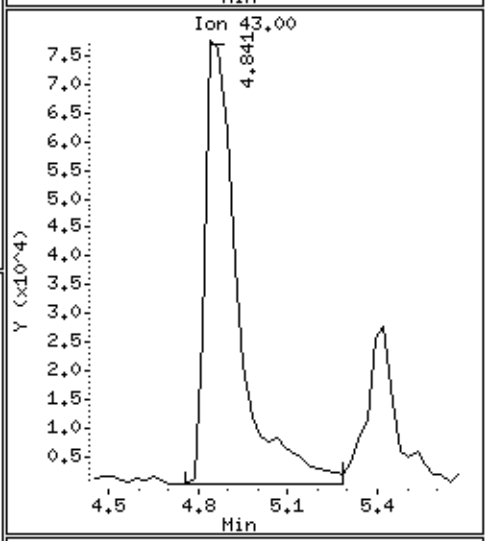


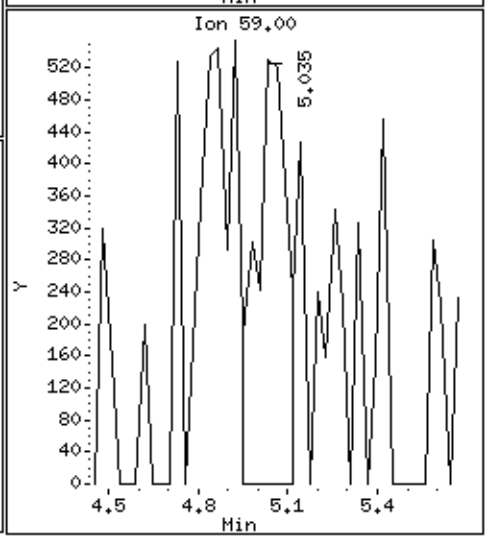












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

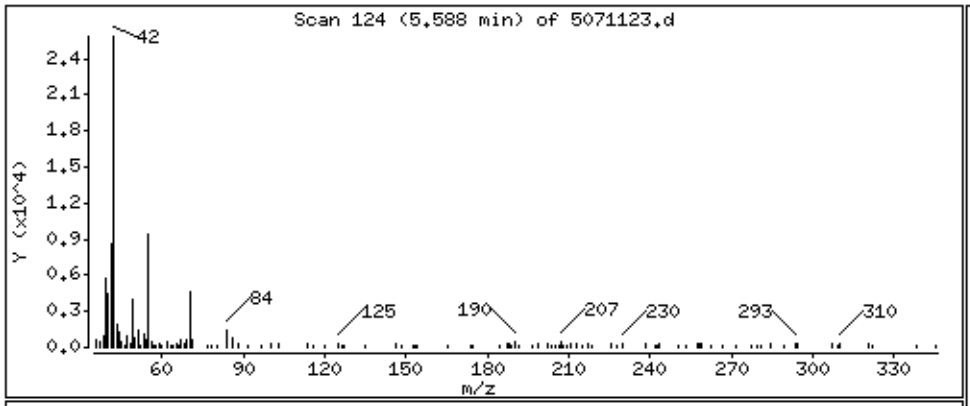
Operator: dm

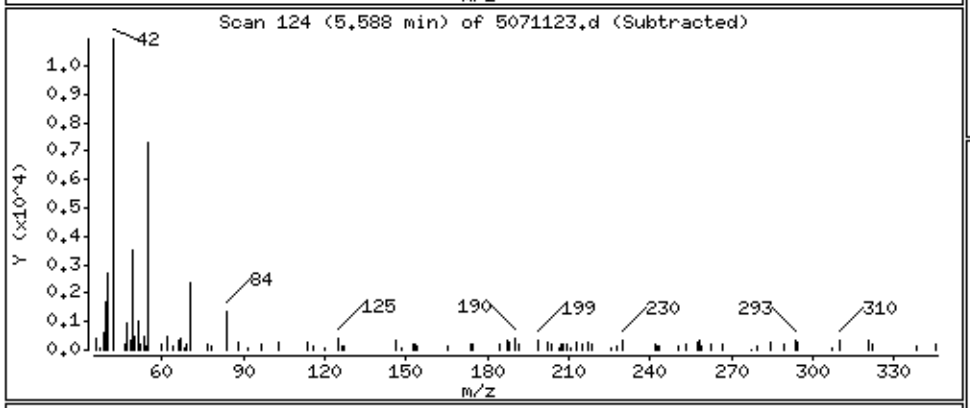
Column phase: RTx-624

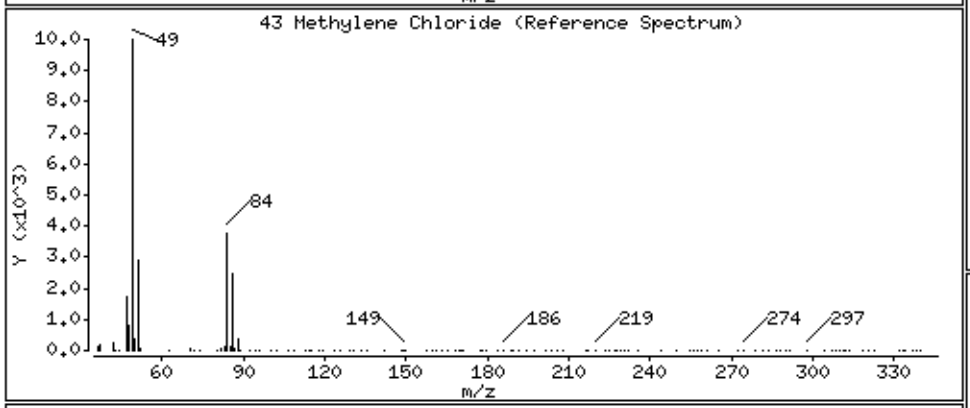
Column diameter: 0.53

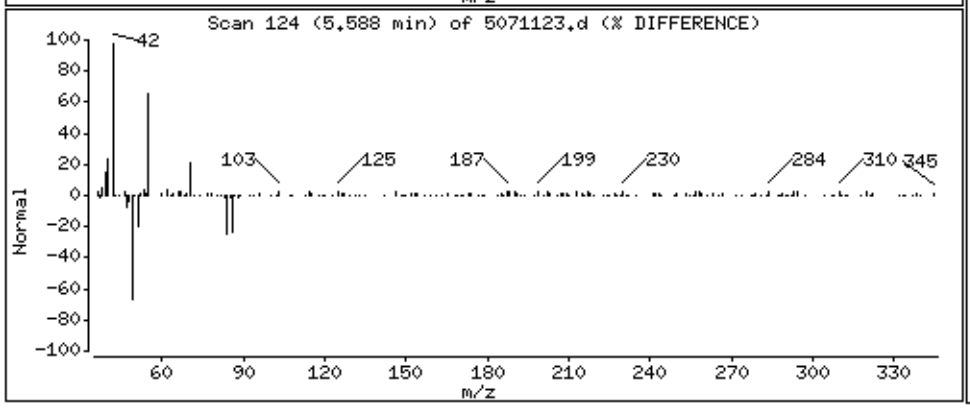
43 Methylene Chloride

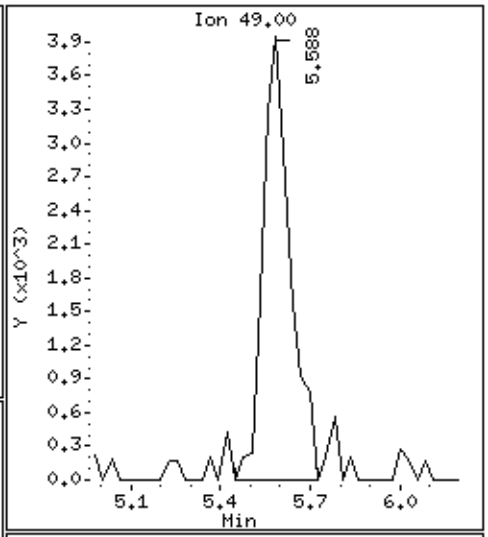
Concentration: 1.462 PPBV

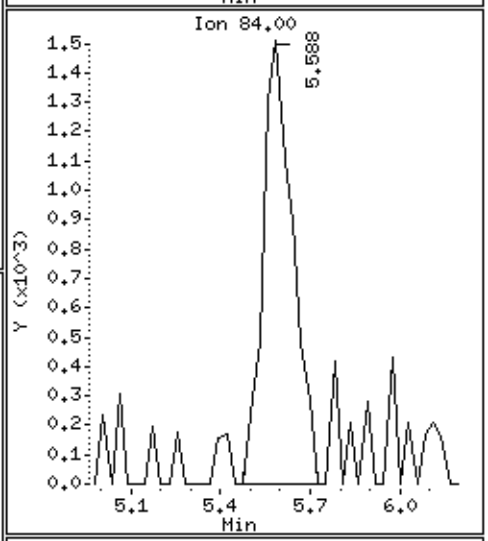


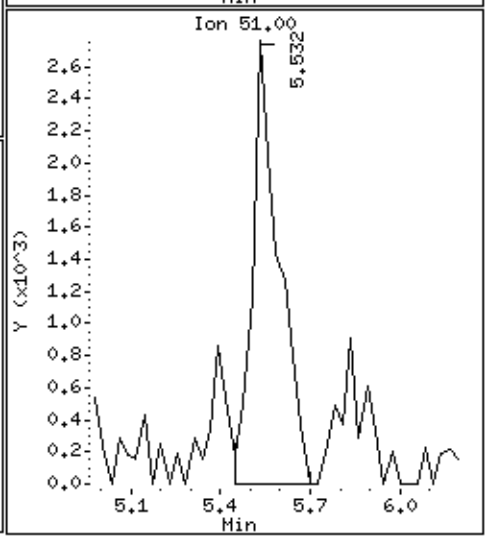












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

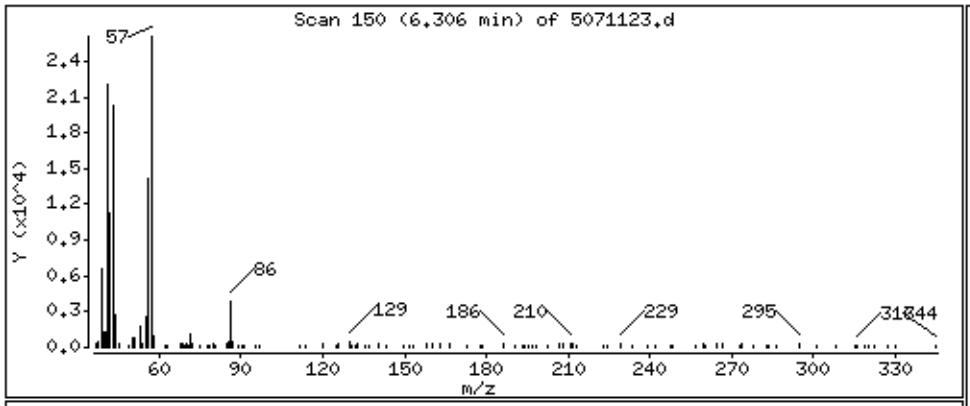
Operator: dm

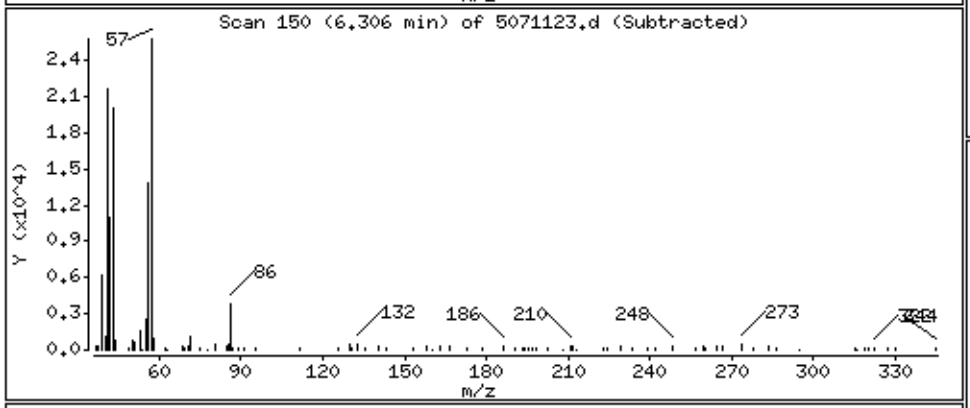
Column phase: RTx-624

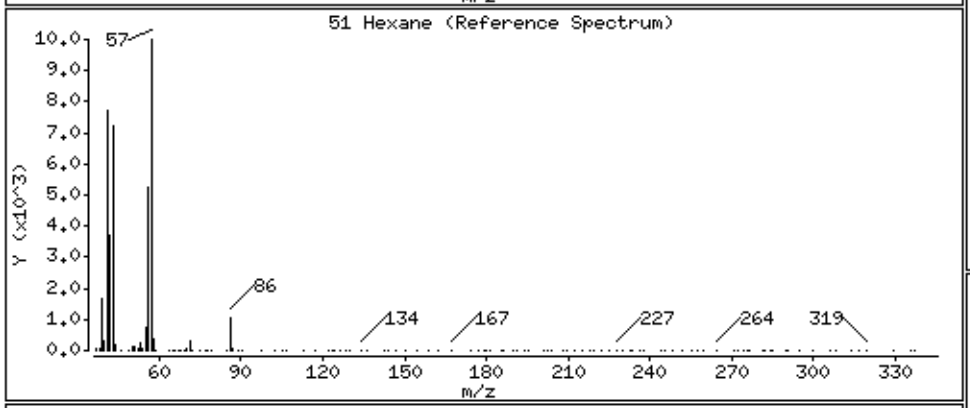
Column diameter: 0.53

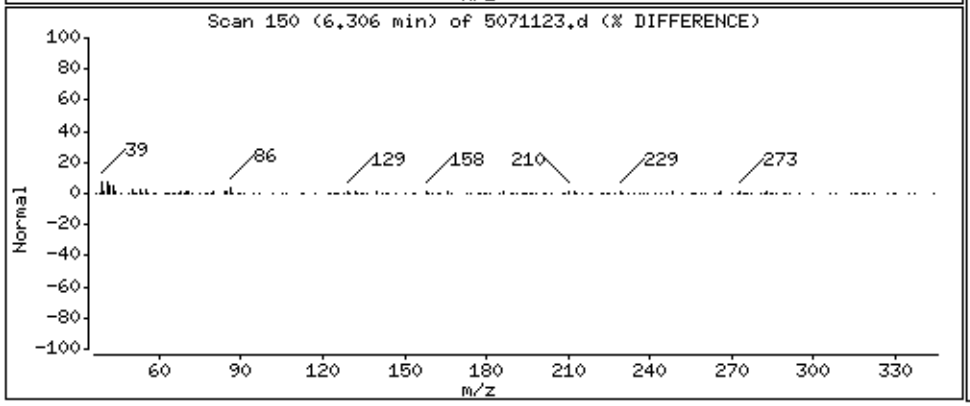
51 Hexane

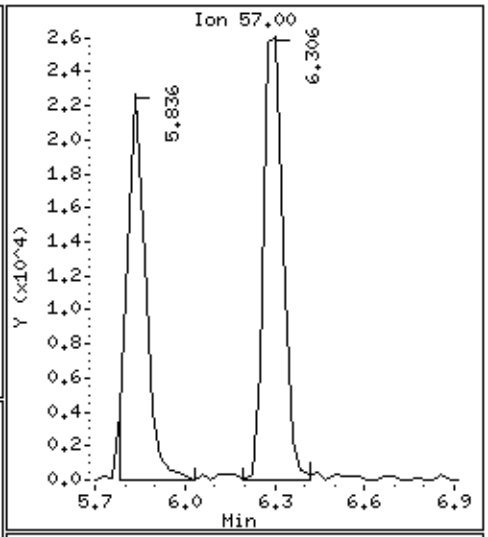
Concentration: 5.430 PPBV

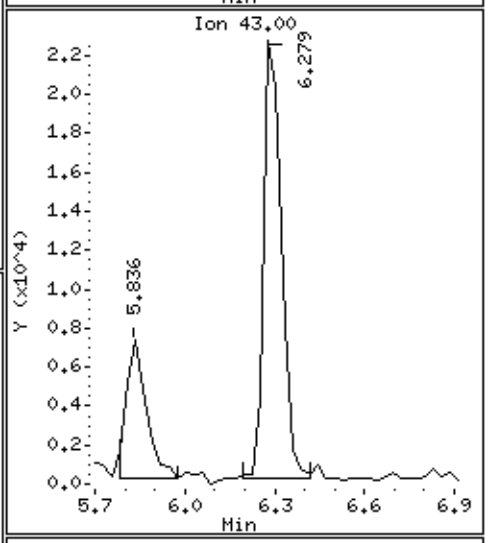


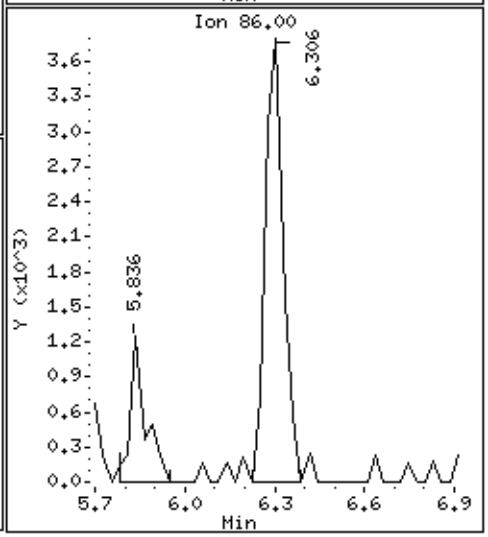












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

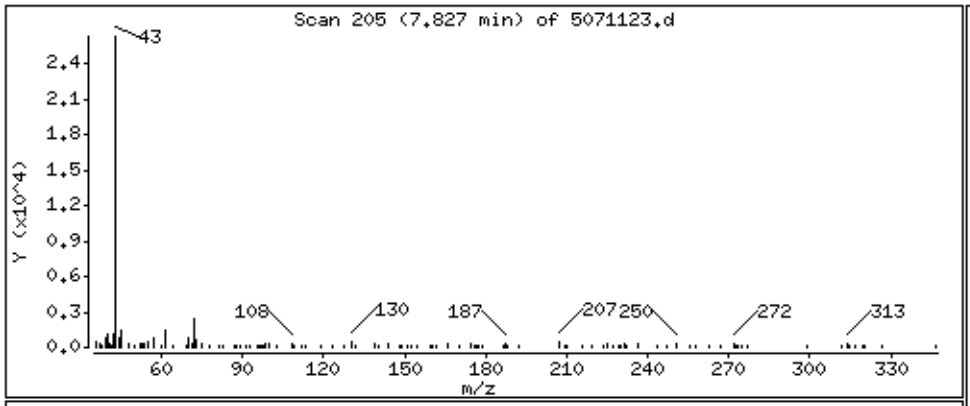
Operator: dm

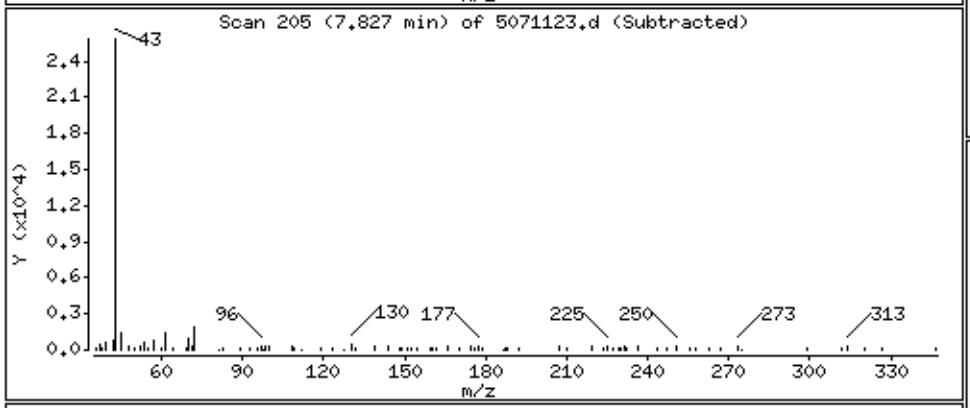
Column phase: RTx-624

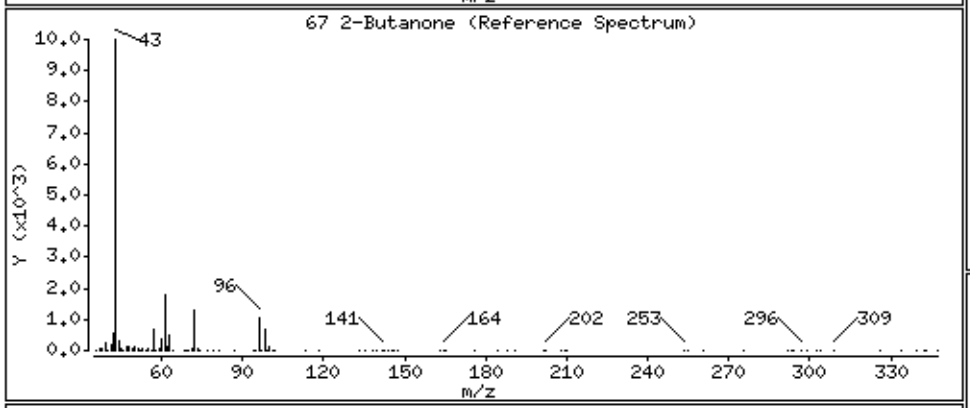
Column diameter: 0.53

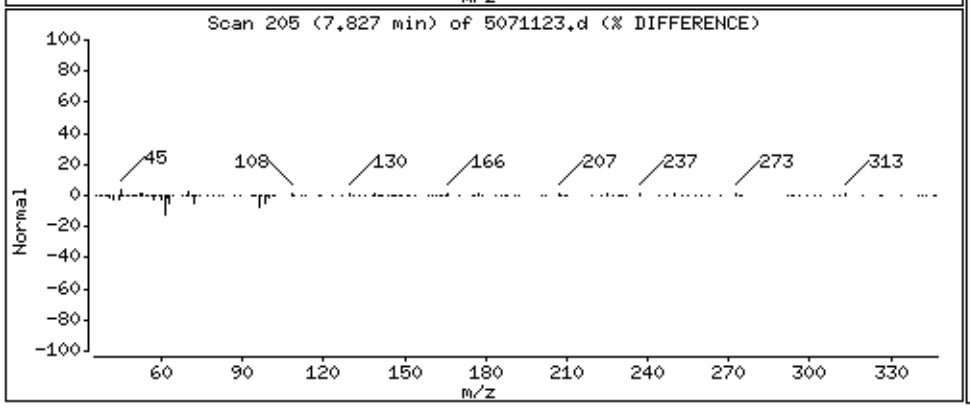
67 2-Butanone

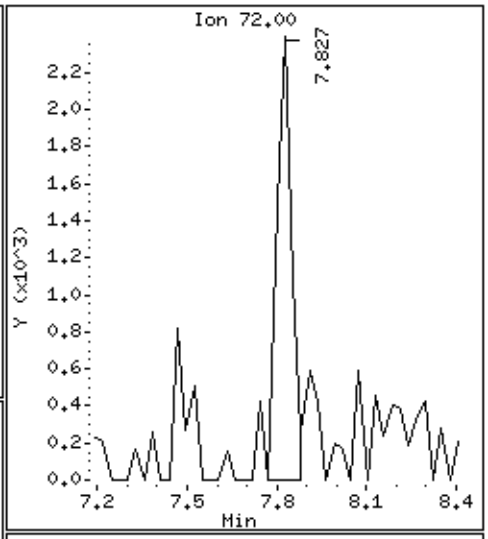
Concentration: 2.190 PPBV

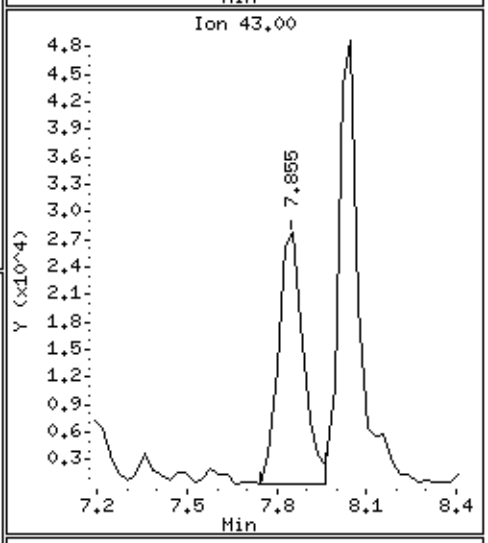


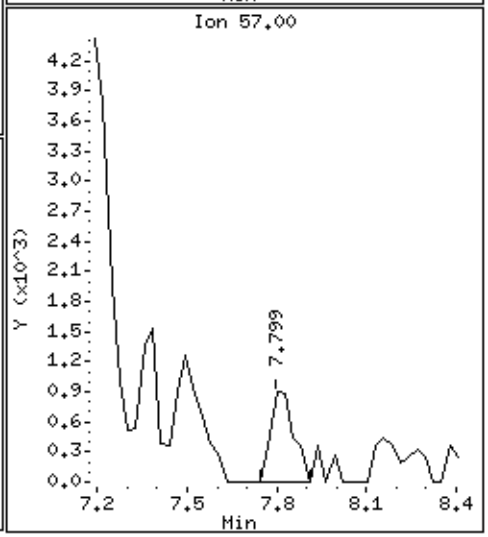












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

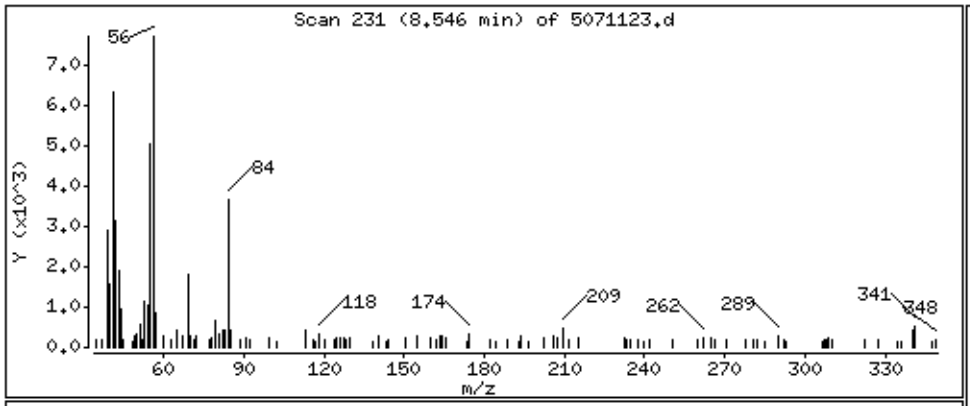
Operator: dm

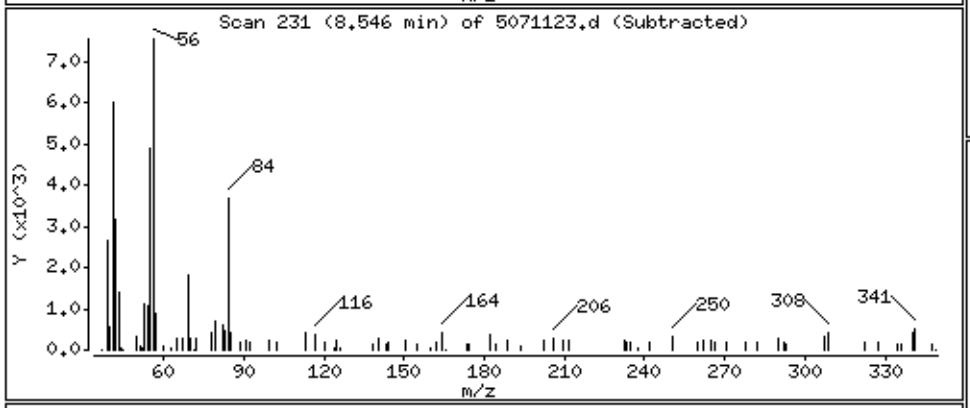
Column phase: RTx-624

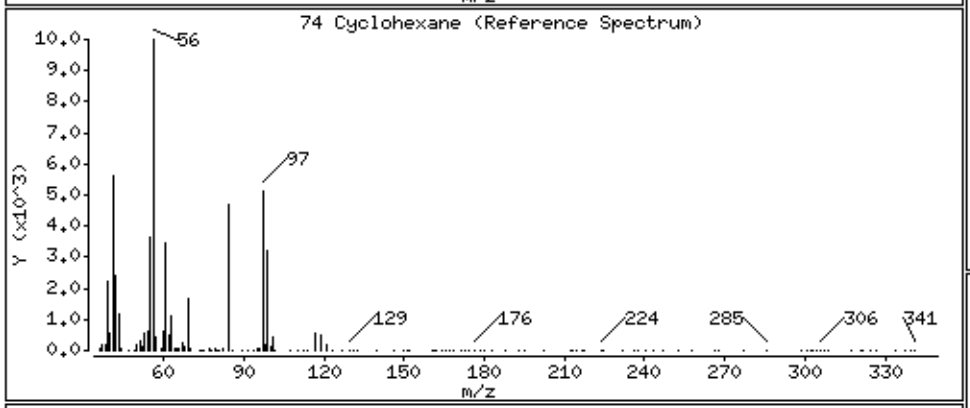
Column diameter: 0.53

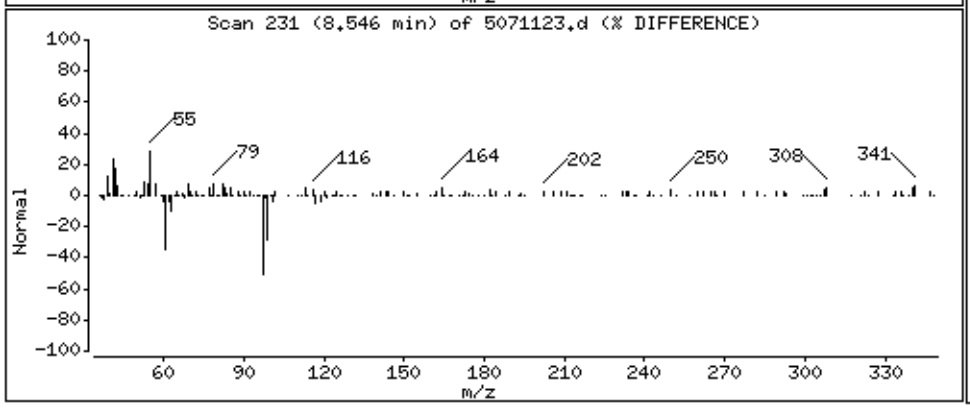
74 Cyclohexane

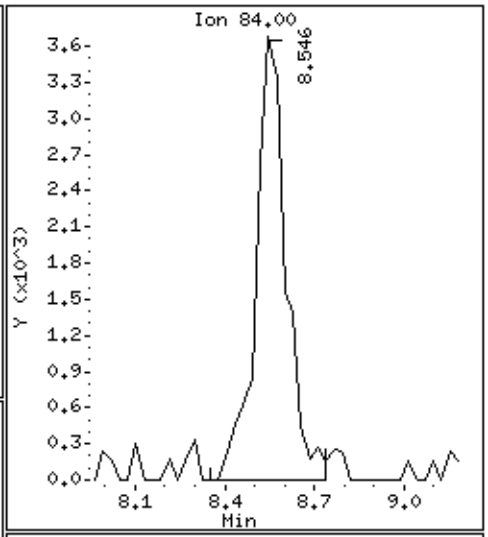
Concentration: 2.484 PPBV

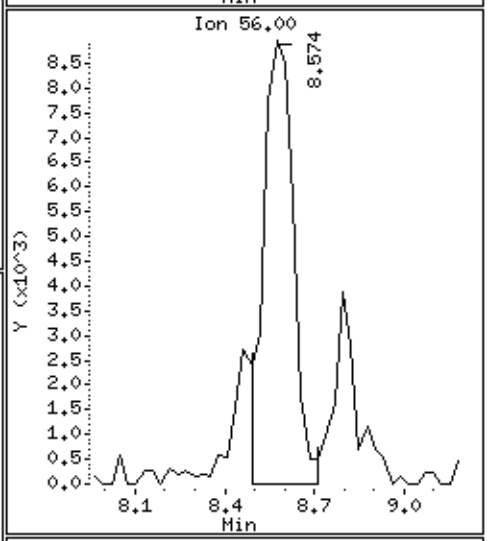


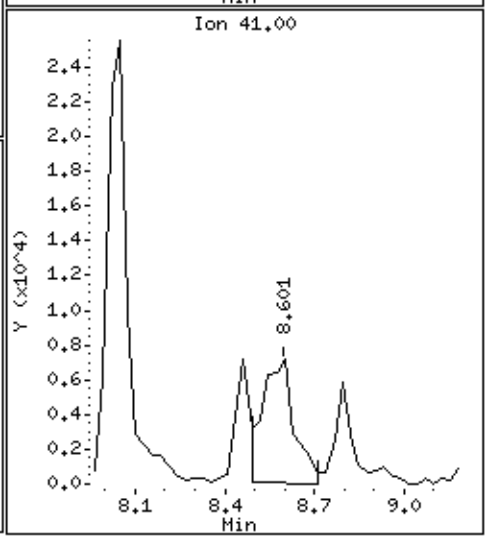












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

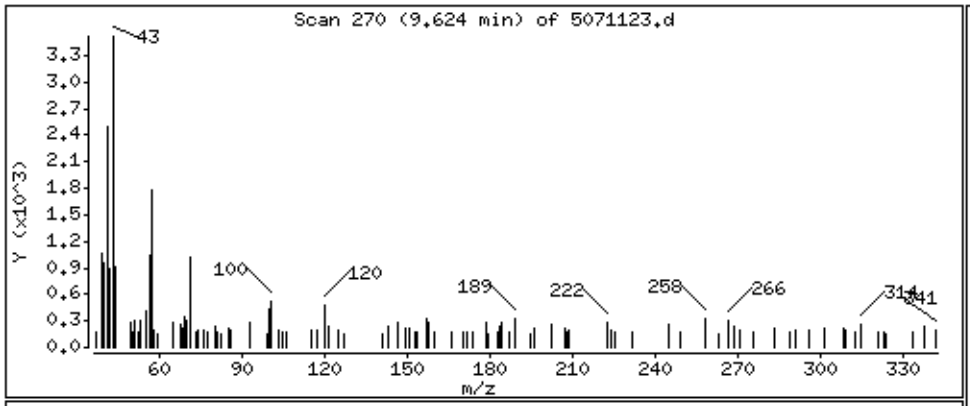
Operator: dm

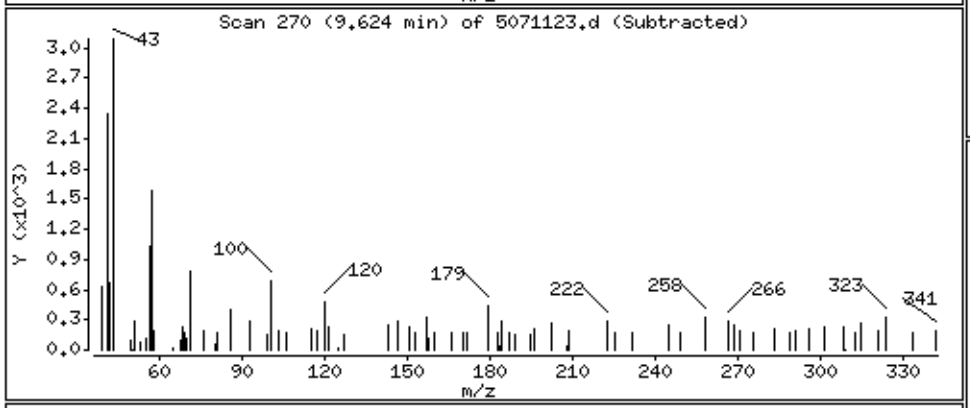
Column phase: RTx-624

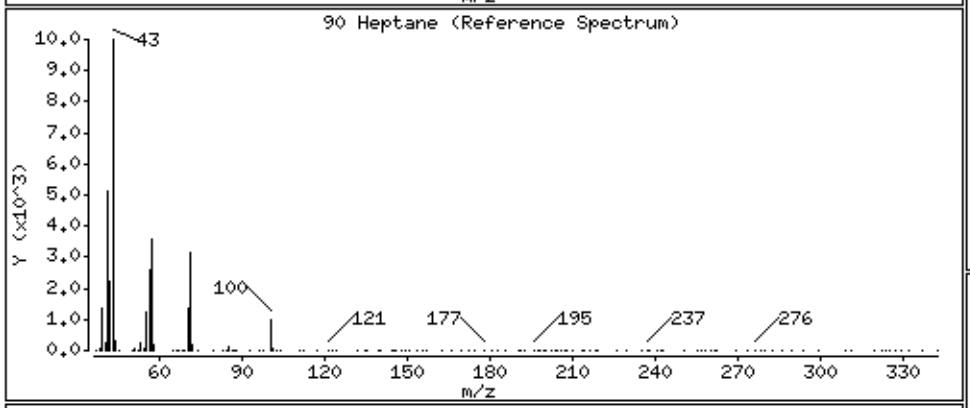
Column diameter: 0.53

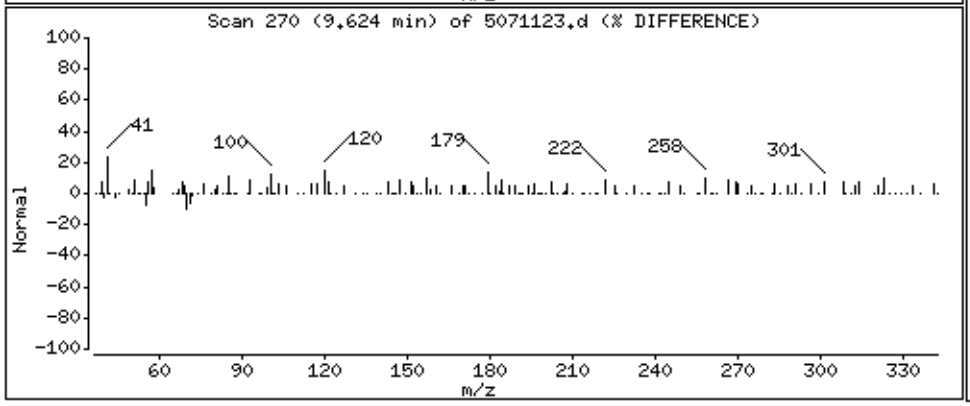
90 Heptane

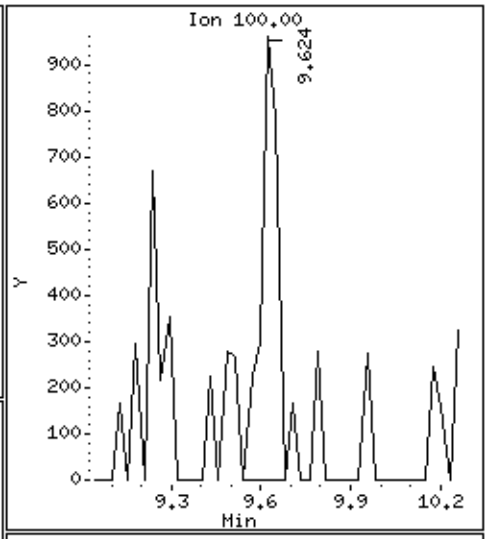
Concentration: 1.429 PPBV

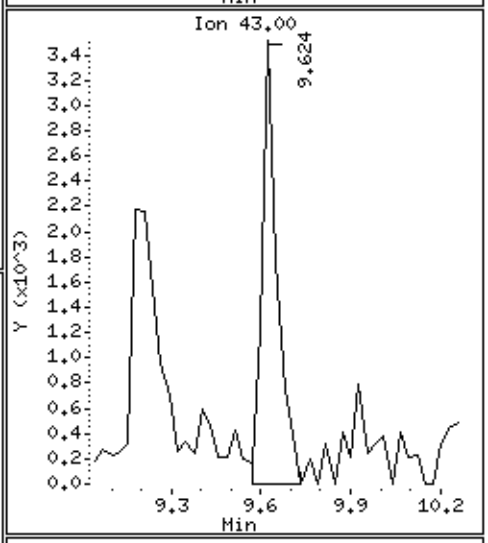


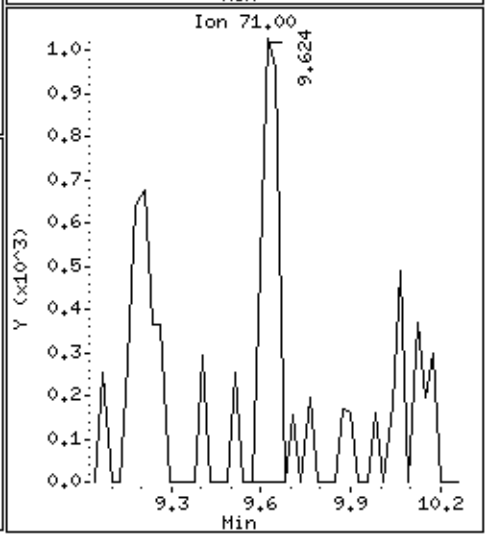












Data File: /chem/msd5.i/5-11jul.b/5071123.d

Date : 12-JUL-2007 02:45

Client ID: 1.79

Instrument: msd5.i

Sample Info: 200mL #22500

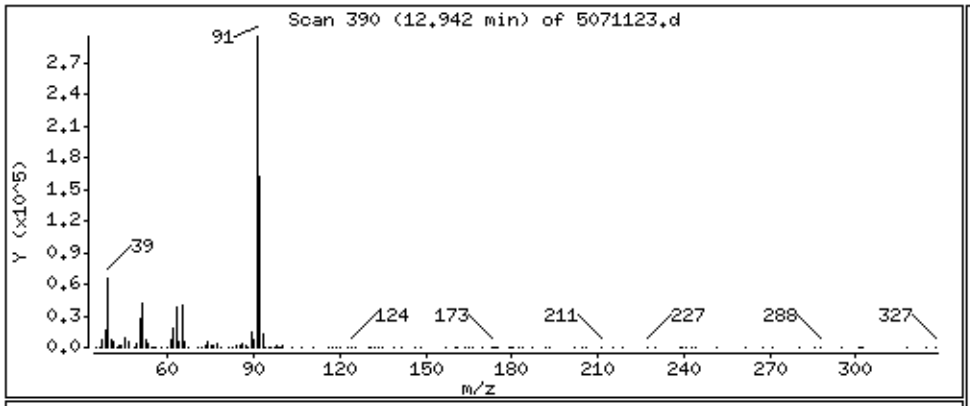
Operator: dm

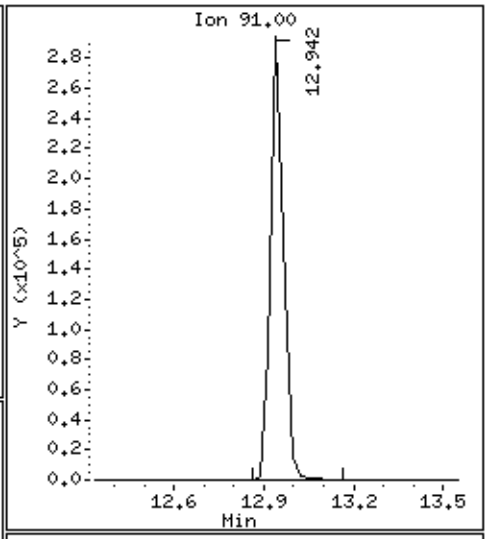
Column phase: RTx-624

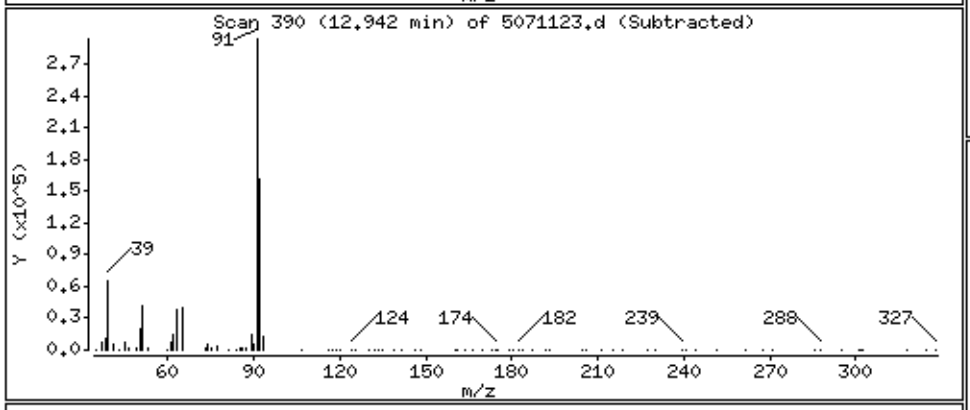
Column diameter: 0.53

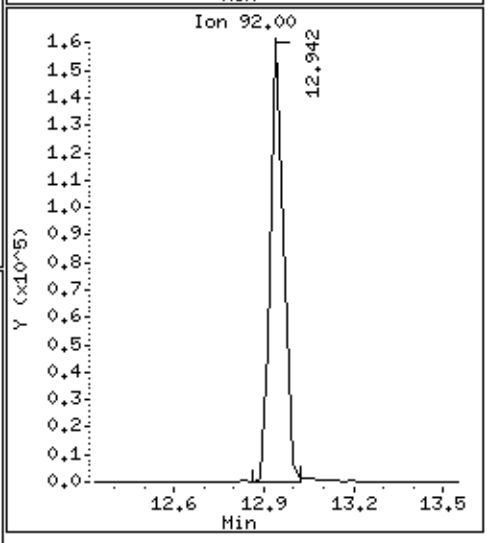
108 Toluene

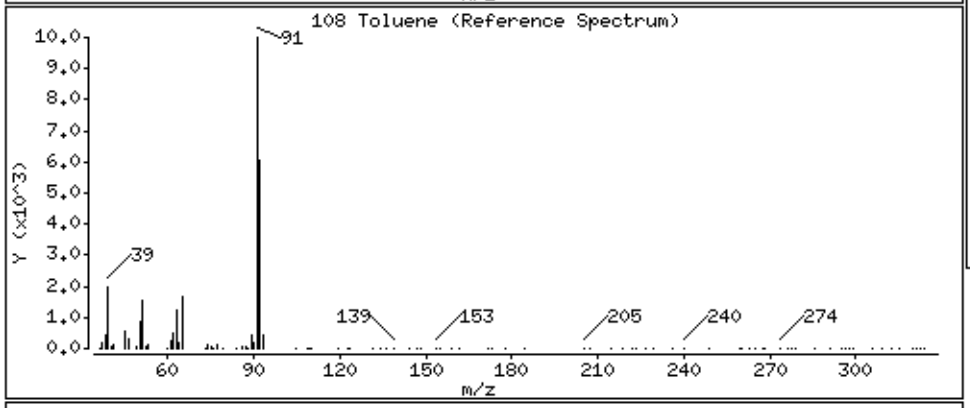
Concentration: 45.558 PPBV

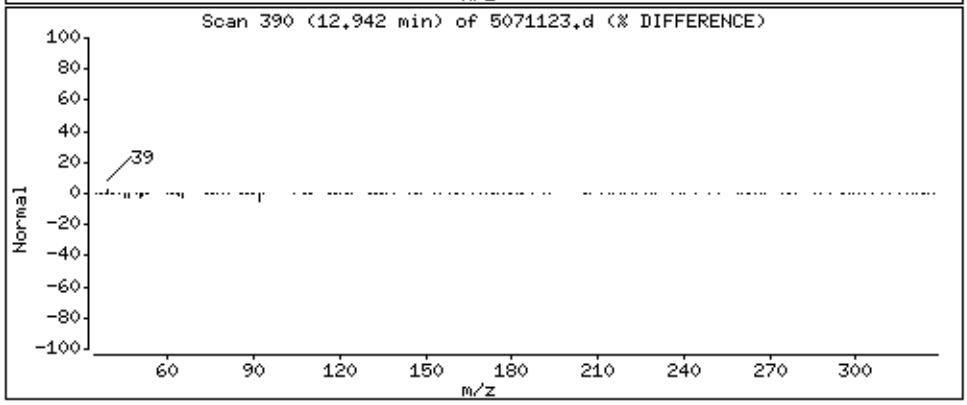












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DWAMS-2

Lab ID#: 0707015-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	0.96	9.2	6.5	62
Acetone	3.8	18	9.1	43
2-Butanone (Methyl Ethyl Ketone)	0.96	3.1	2.8	9.2

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS-2

Lab ID#: 0707015-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071122**	**Date of Collection:**	**6/28/07**
Dil. Factor:	**1.91**	**Date of Analysis:**	**7/12/07 02:13 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	Not Detected	2.5	Not Detected
Freon 11	0.96	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
Methylene Chloride	0.96	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
Toluene	0.96	Not Detected	3.6	Not Detected
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	9.2	6.5	62
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS-2

Lab ID#: 0707015-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071122**	**Date of Collection: 6/28/07**	
Dil. Factor:	**1.91**	**Date of Analysis: 7/12/07 02:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	18	9.1	43
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	3.1	2.8	9.2
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071122.d
Lab Smp Id: 0707015-02A Client Smp ID: 1.91
Inj Date : 12-JUL-2007 02:13
Operator : dm Inst ID: msd5.i
Smp Info : 200mL #4224
Misc Info : 9.0"Hg-5.0psi
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 15:25 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.214	8.214 (1.000)	130	216640	25.0000		80.00- 120.00	100.00
8.214	8.214 (1.000)	128	166588			48.36- 108.36	76.90
8.214	8.214 (1.000)	49	474605			183.11- 243.11	219.07
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	719045	25.0000		80.00- 120.00	100.00
10.067	10.067 (1.000)	88	130376			0.00- 47.41	18.13
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	607349	25.0000		80.00- 120.00	100.00
15.099	15.099 (1.000)	82	381014			30.57- 90.57	62.73
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.128)	65	426970	24.2092	24.209	80.00- 120.00	100.00
9.265	9.265 (1.128)	67	173720			28.18- 88.18	40.69
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	633067	25.2963	25.296	80.00- 120.00	100.00
12.832	12.832 (1.275)	70	75096			0.00- 41.76	11.86

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	405731			41.06- 101.06	64.09
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	408477	24.7040	24.704	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	627089			118.11- 178.11	153.52
16.675	16.675 (1.104)	176	376336			63.81- 123.81	92.13
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.589)	58	113556	9.47862	18.104	80.00- 120.00	100.00
4.869	4.841 (0.593)	43	503740			345.94- 405.94	443.60
67 2-Butanone					CAS #: 78-93-3		
7.827	7.800 (0.953)	72	11762	1.63315	3.119	80.00- 120.00	100.00
7.800	7.800 (0.950)	43	91009			733.78- 793.78	773.74
7.827	7.800 (0.953)	57	5975			17.94- 77.94	50.80
116 Tetrachloroethene					CAS #: 127-18-4		
13.799	13.800 (0.914)	166	74032	4.81939	9.205	80.00- 120.00	100.00
13.799	13.800 (0.914)	129	59828			57.30- 117.30	80.81
13.799	13.800 (0.914)	131	54153			51.57- 111.57	73.15

Report Date: 16-Jul-2007 12:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071122.d
Lab Smp Id: 0707015-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 9.0"Hg-5.0psi

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: 1.91
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	216640	-32.94
92 1,4-Difluorobenze	1158147	694888	1621406	719045	-37.91
125 Chlorobenzene-d5	945083	567050	1323116	607349	-35.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.21	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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: 16-Jul-2007 12:10

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-11jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707015-02A Client Smp ID: 1.91
Level: LOW Operator: dm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 9.0"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	24.209	96.84	70-130
$ 107 Toluene-d8	25.000	25.296	101.19	70-130
$ 138 Bromofluorobenzene	25.000	24.704	98.82	70-130

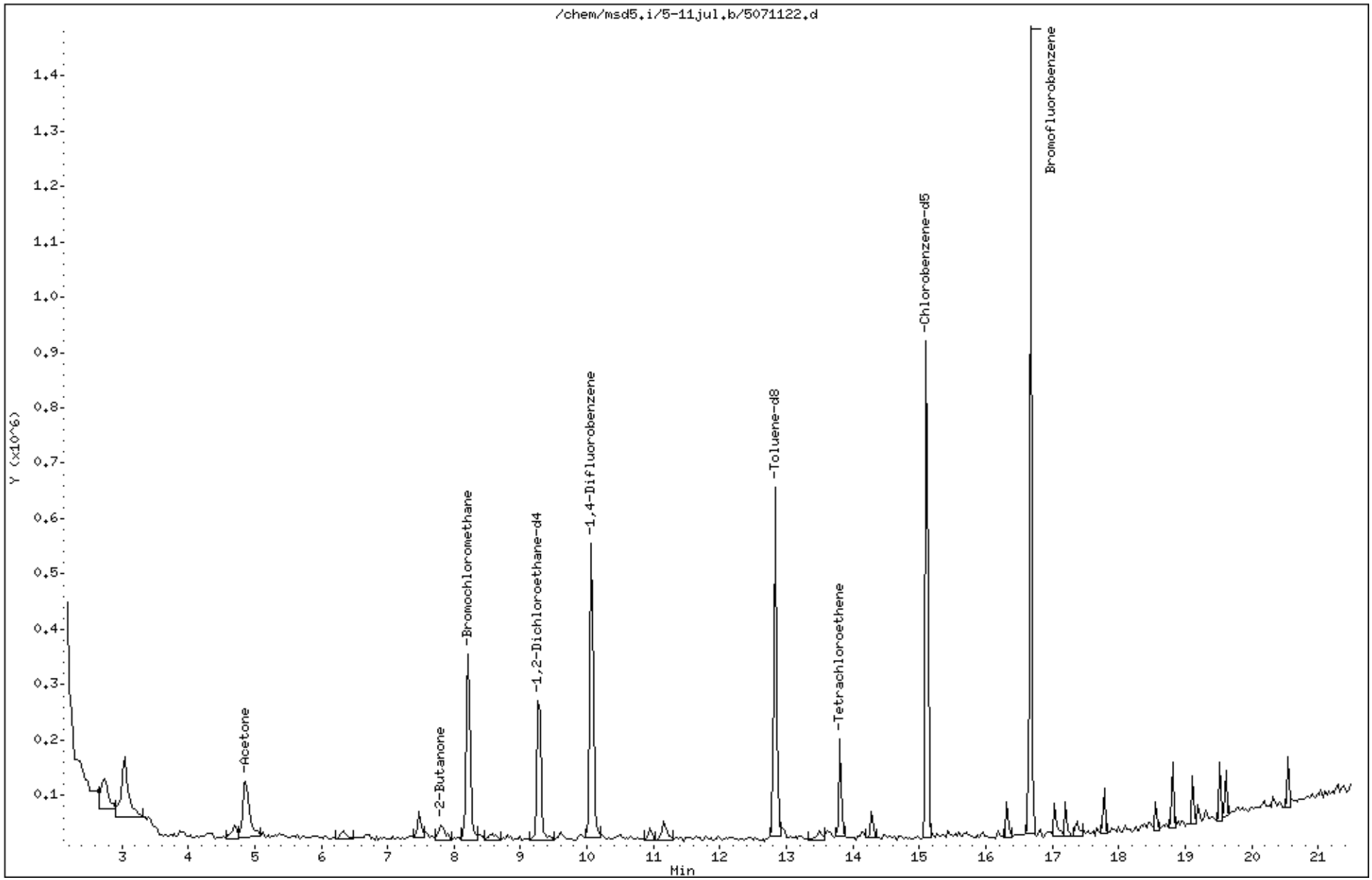
0029

Data File: /chem/msd5.i/5-11jul.b/5071122.d
Date : 12-JUL-2007 02:13
Client ID: 1.91
Sample Info: 200mL #4224

Column phase: RTx-624

Instrument: msd5.i

Operator: dm
Column diameter: 0.53



Data File: /chem/msd5.i/5-11jul.b/5071122.d

Date : 12-JUL-2007 02:13

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

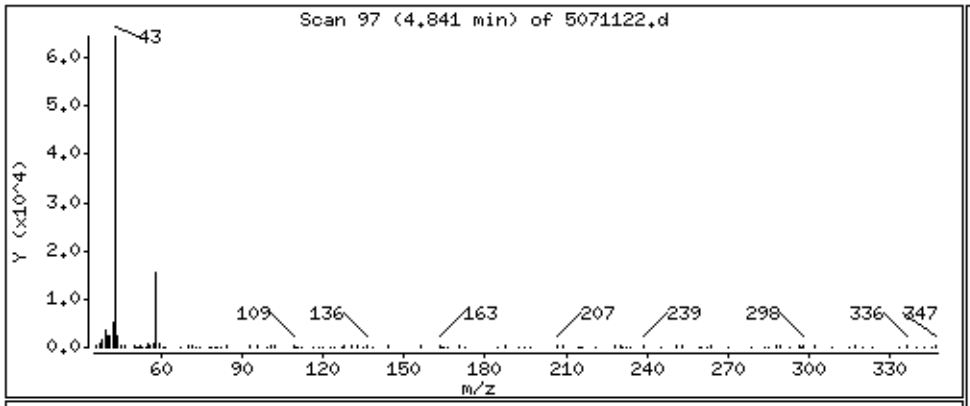
Operator: dm

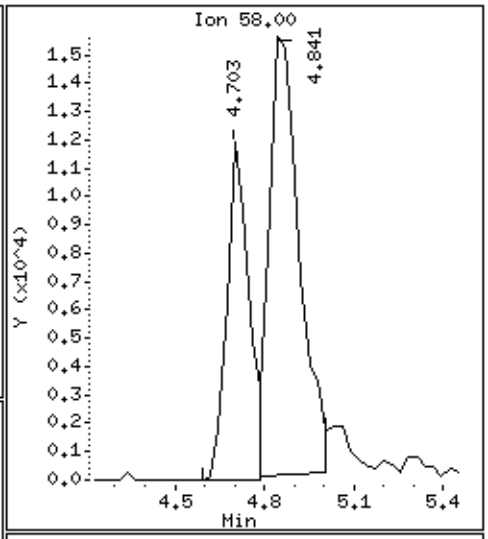
Column phase: RTx-624

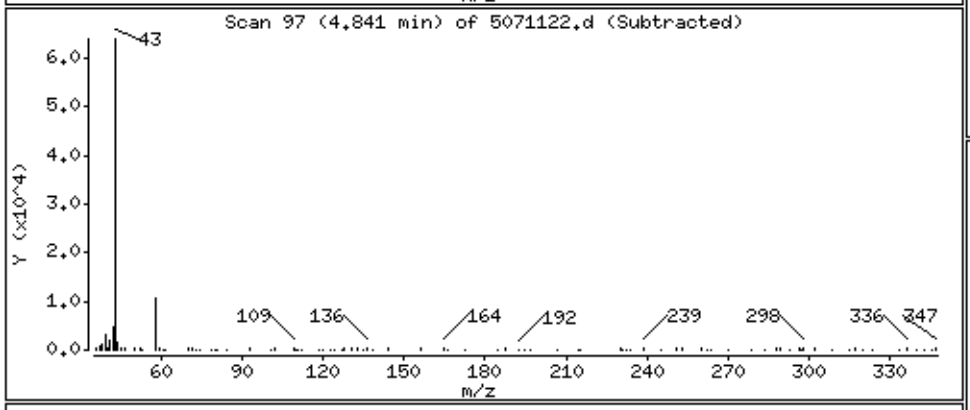
Column diameter: 0.53

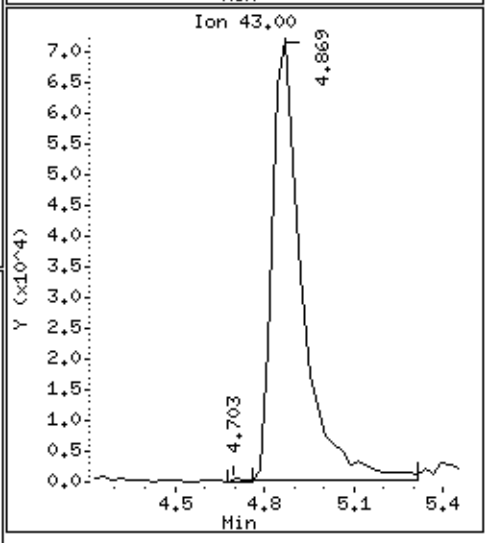
32 Acetone

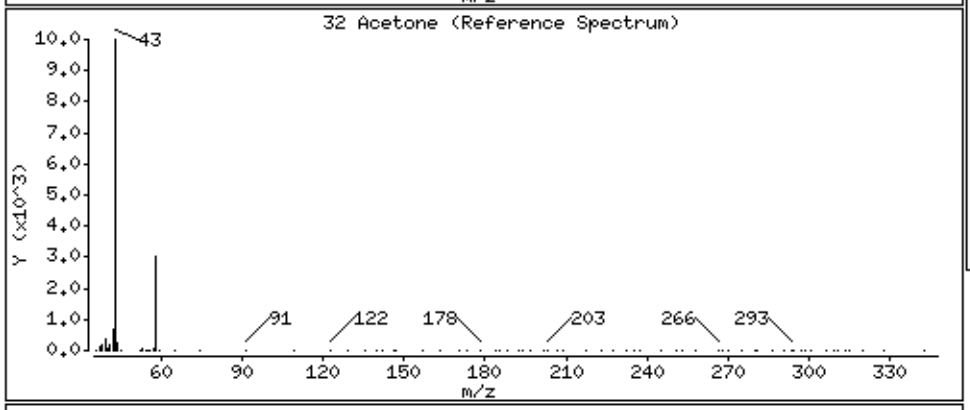
Concentration: 18.104 PPBV

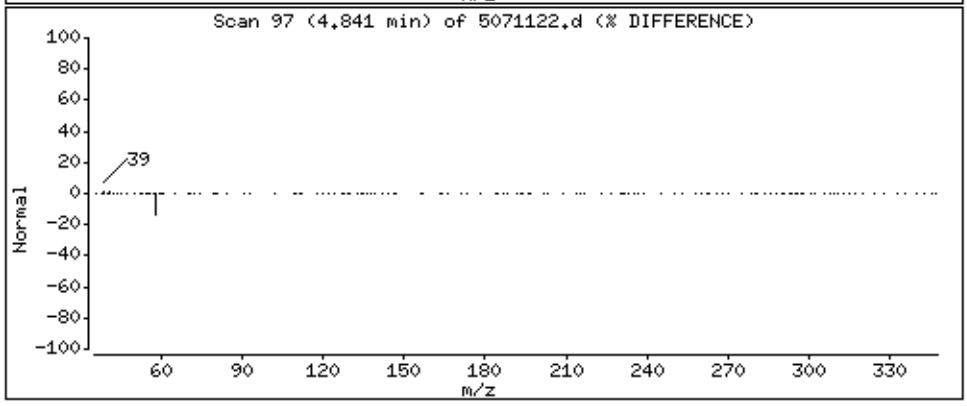












Data File: /chem/msd5.i/5-11jul.b/5071122.d

Date : 12-JUL-2007 02:13

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

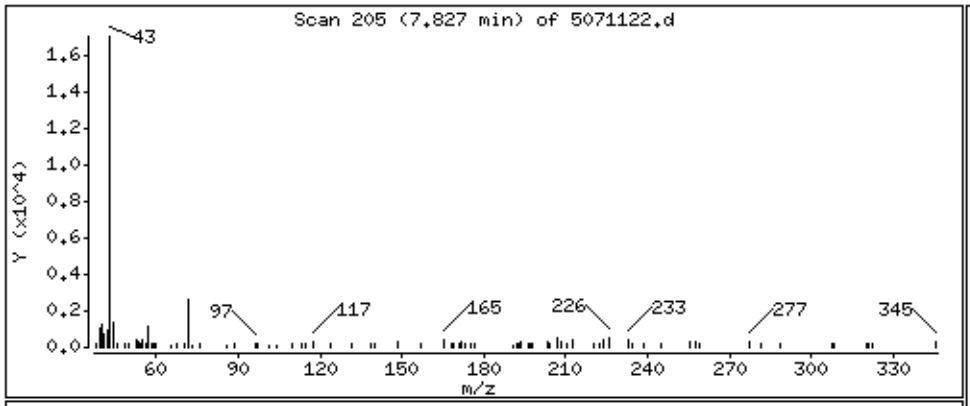
Operator: dm

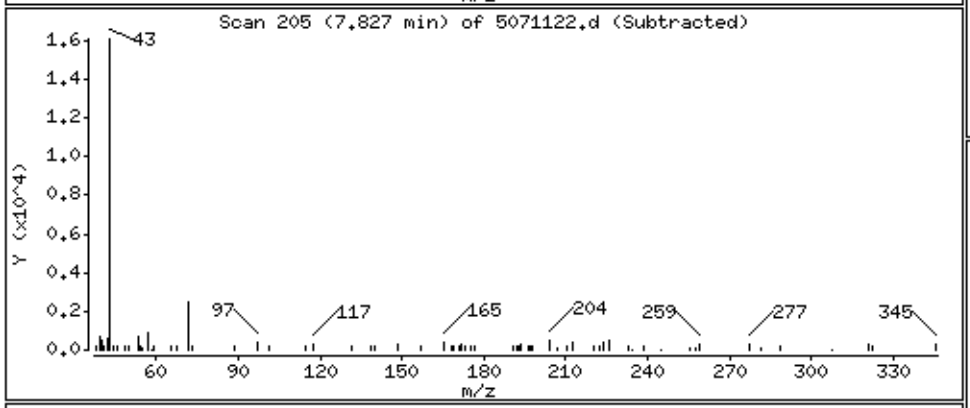
Column phase: RTx-624

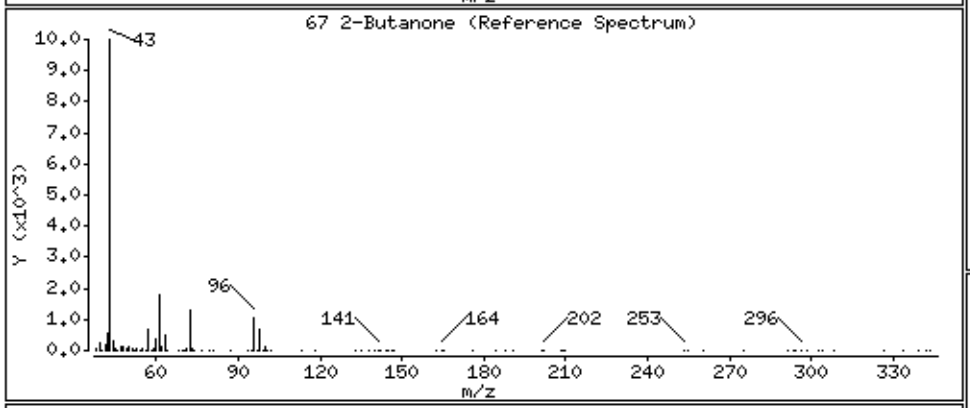
Column diameter: 0.53

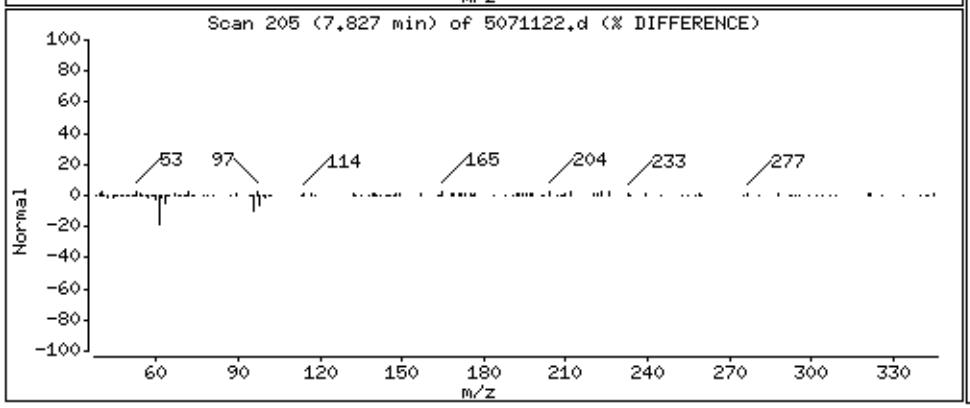
67 2-Butanone

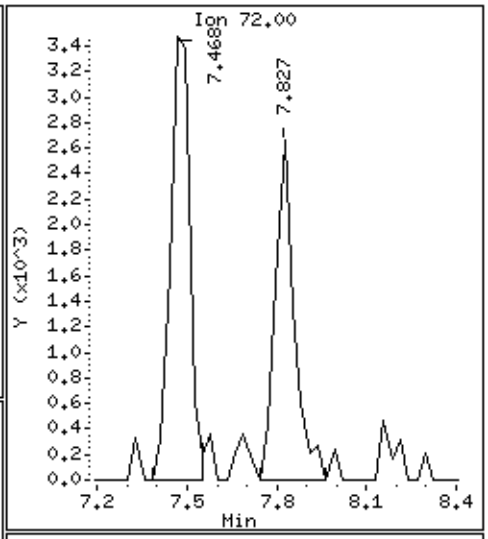
Concentration: 3.119 PPBV

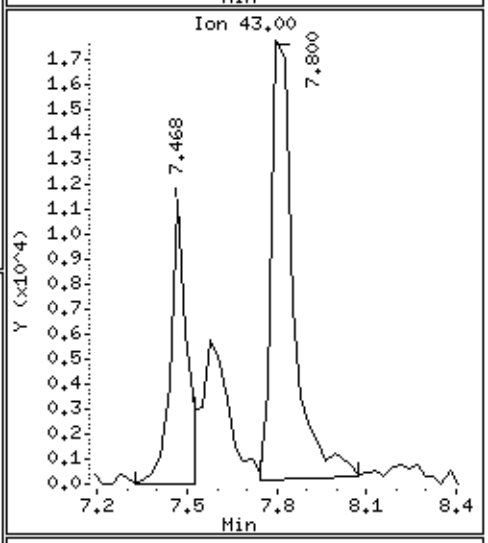


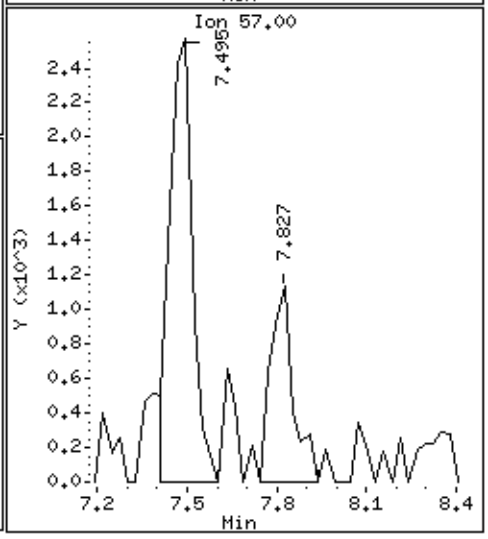












Data File: /chem/msd5.i/5-11jul.b/5071122.d

Date : 12-JUL-2007 02:13

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

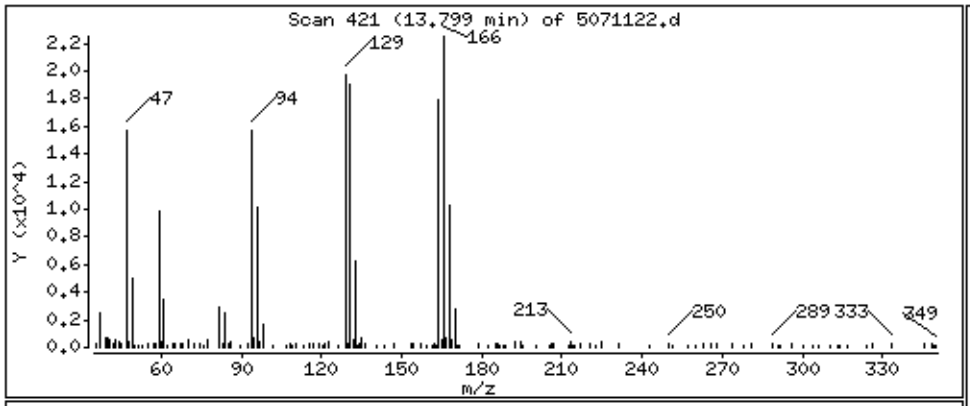
Operator: dm

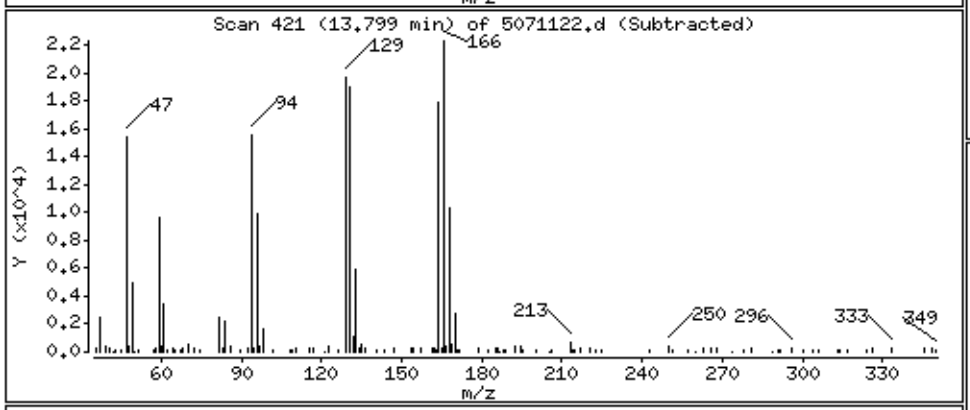
Column phase: RTx-624

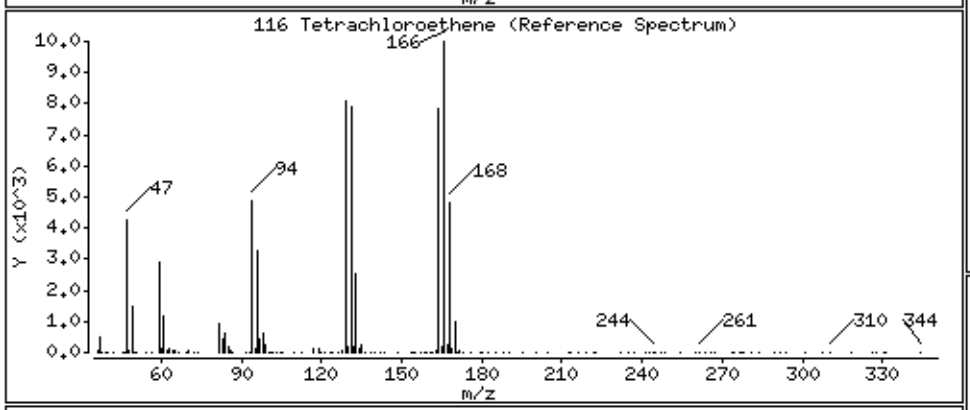
Column diameter: 0.53

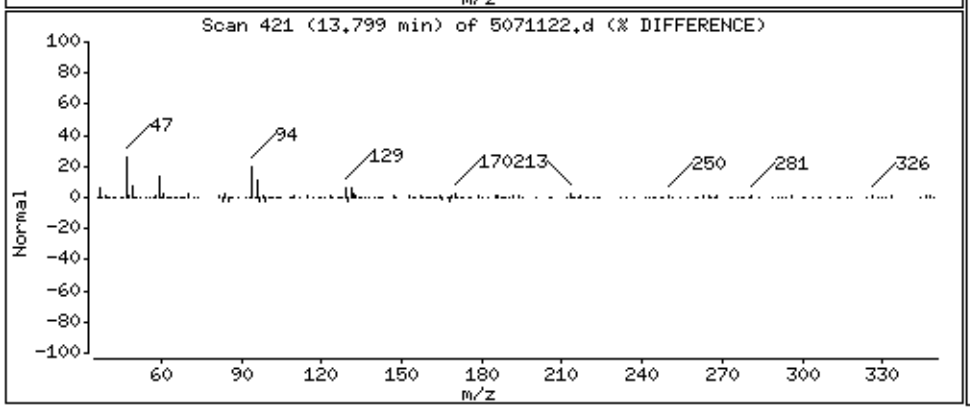
116 Tetrachloroethene

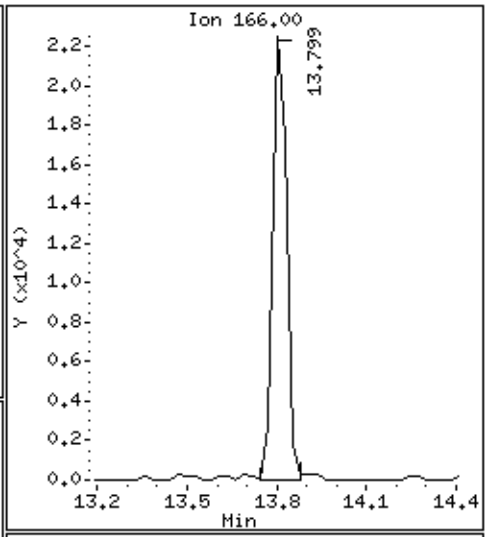
Concentration: 9.205 PPBV

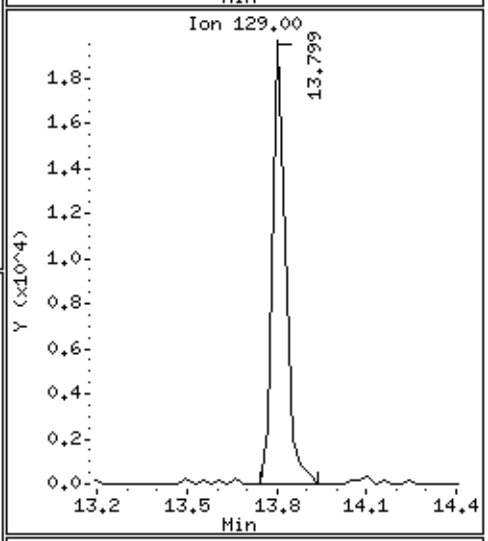


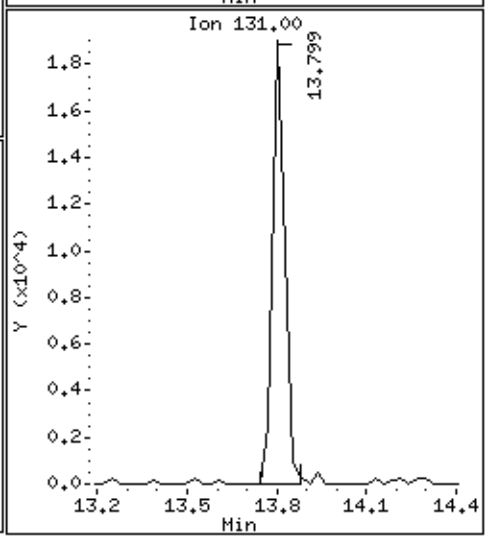












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DWAMS-2 Lab Duplicate

Lab ID#: 0707015-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	0.96	8.8	6.5	60
Acetone	3.8	22	9.1	51
2-Butanone (Methyl Ethyl Ketone)	0.96	3.0	2.8	8.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS-2 Lab Duplicate

Lab ID#: 0707015-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071124**	**Date of Collection:**	**6/28/07**
Dil. Factor:	**1.91**	**Date of Analysis:**	**7/12/07 03:17 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	Not Detected	2.5	Not Detected
Freon 11	0.96	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
Methylene Chloride	0.96	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
Toluene	0.96	Not Detected	3.6	Not Detected
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	8.8	6.5	60
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DWAMS-2 Lab Duplicate

Lab ID#: 0707015-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071124**	**Date of Collection: 6/28/07**	
Dil. Factor:	**1.91**	**Date of Analysis: 7/12/07 03:17 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	22	9.1	51
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	3.0	2.8	8.7
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071124.d
Lab Smp Id: 0707015-02AA Client Smp ID: 1.91
Inj Date : 12-JUL-2007 03:17
Operator : dm Inst ID: msd5.i
Smp Info : 200mL #4224
Misc Info : 9.0"Hg-5.0psi
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 15:25 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.214	8.214 (1.000)	130	205837	25.0000		80.00- 120.00	100.00
8.214	8.214 (1.000)	128	163738			48.36- 108.36	79.55
8.214	8.214 (1.000)	49	459665			183.11- 243.11	223.32
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	747523	25.0000		80.00- 120.00	100.00
10.067	10.067 (1.000)	88	131168			0.00- 47.41	17.55
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	616082	25.0000		80.00- 120.00	100.00
15.099	15.099 (1.000)	82	391678			30.57- 90.57	63.58
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.293	9.265 (1.131)	65	400845	23.9207	23.921	80.00- 120.00	100.00
9.293	9.265 (1.131)	67	179586			28.18- 88.18	44.80
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	624411	23.9999	24.000	80.00- 120.00	100.00
12.832	12.832 (1.275)	70	79180			0.00- 41.76	12.68

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	418925			41.06- 101.06	67.09
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	407752	24.3106	24.310	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	629539			118.11- 178.11	154.39
16.675	16.675 (1.104)	176	399840			63.81- 123.81	98.06
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.589)	58	128448	11.2844	21.553	80.00- 120.00	100.00
4.869	4.841 (0.593)	43	481430			345.94- 405.94	374.80
67 2-Butanone					CAS #: 78-93-3		
7.827	7.800 (0.953)	72	10612	1.55081	2.962	80.00- 120.00	100.00
7.799	7.800 (0.950)	43	95096			733.78- 793.78	896.07
7.799	7.800 (0.950)	57	5869			17.94- 77.94	55.31
116 Tetrachloroethene					CAS #: 127-18-4		
13.799	13.800 (0.914)	166	71998	4.62054	8.825	80.00- 120.00	100.00
13.799	13.800 (0.914)	129	64323			57.30- 117.30	89.34
13.799	13.800 (0.914)	131	56425			51.57- 111.57	78.37

Report Date: 16-Jul-2007 12:11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071124.d
Lab Smp Id: 0707015-02AA
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 9.0"Hg-5.0psi

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: 1.91
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	205837	-36.28
92 1,4-Difluorobenze	1158147	694888	1621406	747523	-35.46
125 Chlorobenzene-d5	945083	567050	1323116	616082	-34.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.21	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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: 16-Jul-2007 12:11

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-11jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707015-02AA Client Smp ID: 1.91
Level: LOW Operator: dm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 9.0"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	23.921	95.68	70-130
$ 107 Toluene-d8	25.000	24.000	96.00	70-130
$ 138 Bromofluorobenzene	25.000	24.310	97.24	70-130

Data File: /chem/msd5.i/5-11jul.b/5071124.d

Date : 12-JUL-2007 03:17

Client ID: 1.91

Sample Info: 200mL #4224

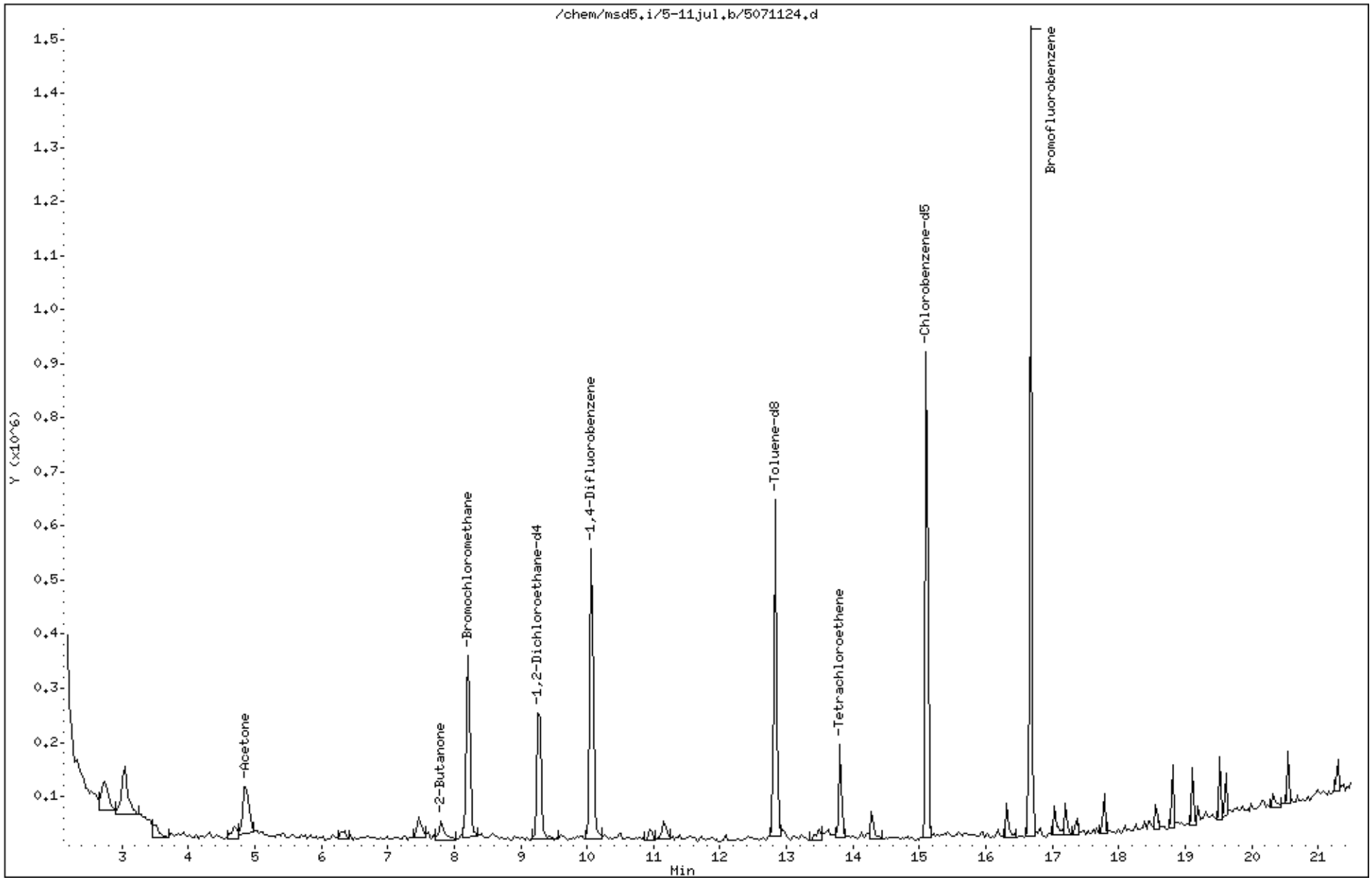
Column phase: RTx-624

Instrument: msd5.i

Operator: dm

Column diameter: 0.53

0040



Data File: /chem/msd5.i/5-11jul.b/5071124.d

Date : 12-JUL-2007 03:17

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

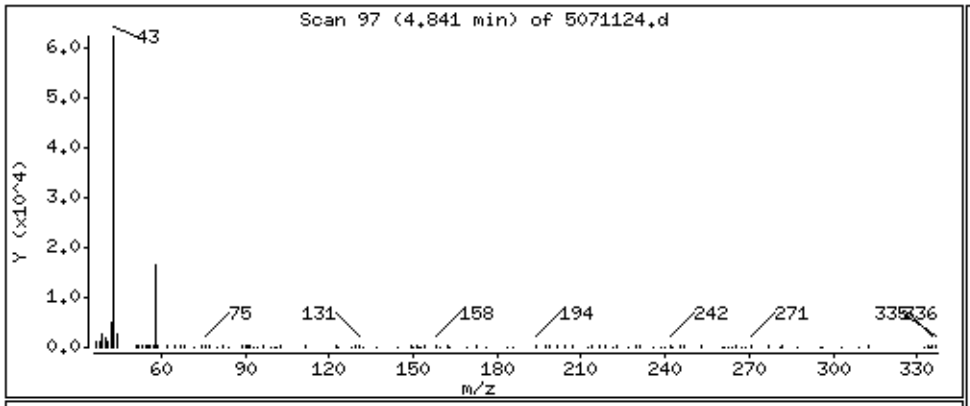
Operator: dm

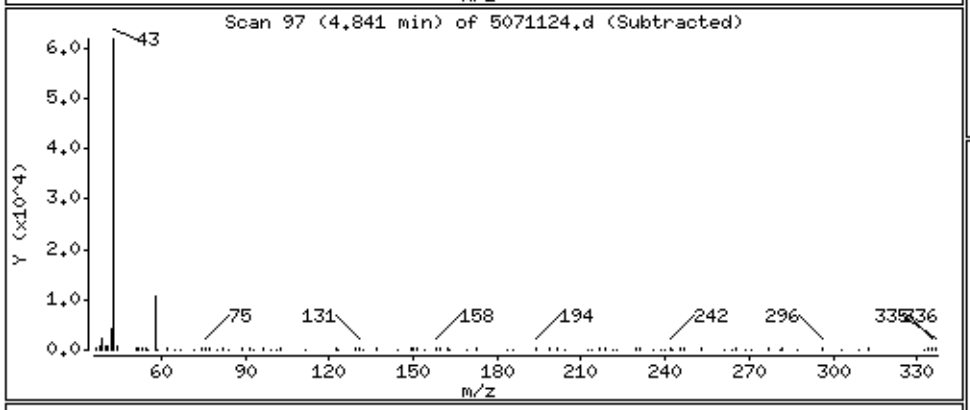
Column phase: RTx-624

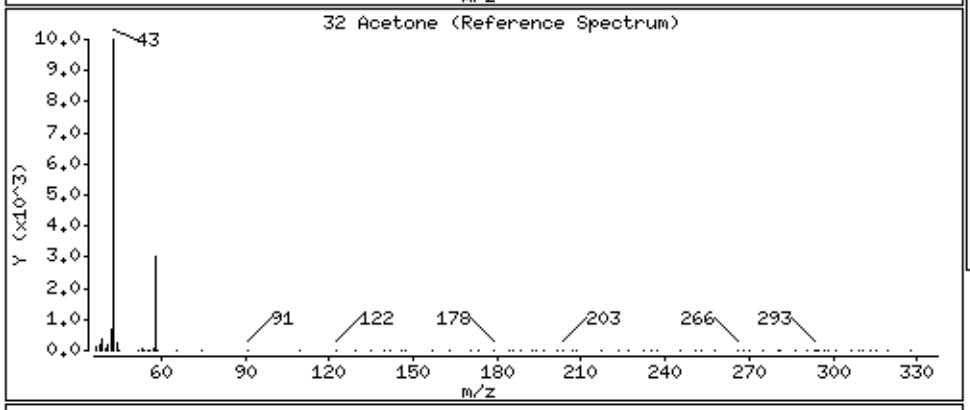
Column diameter: 0.53

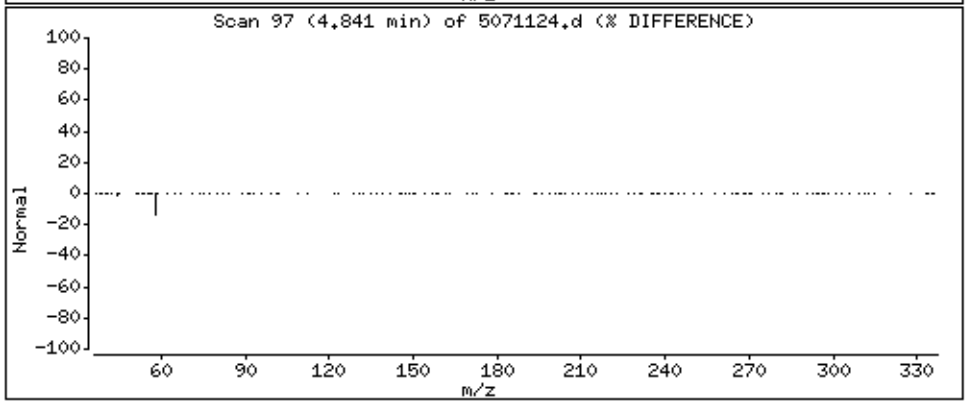
32 Acetone

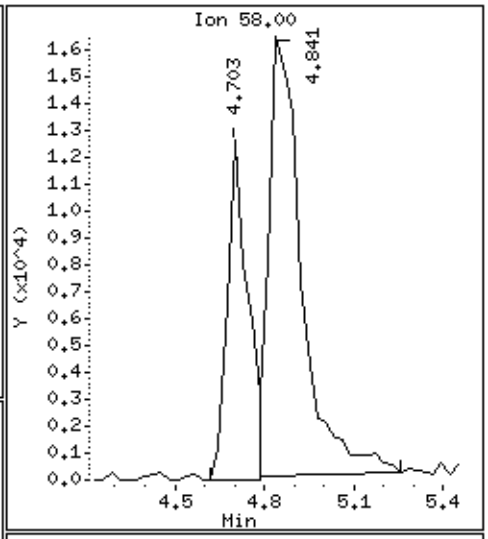
Concentration: 21.553 PPBV

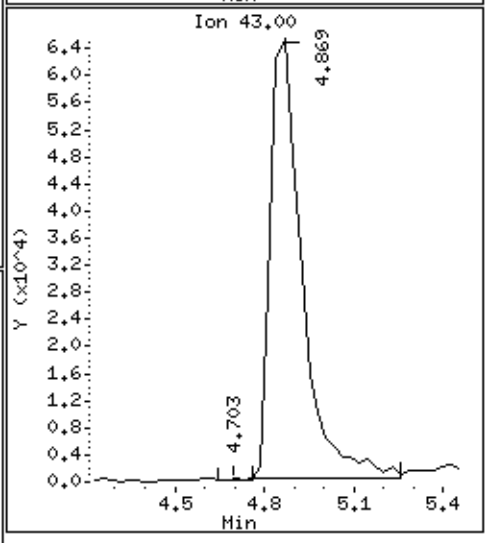












Data File: /chem/msd5.i/5-11jul.b/5071124.d

Date : 12-JUL-2007 03:17

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

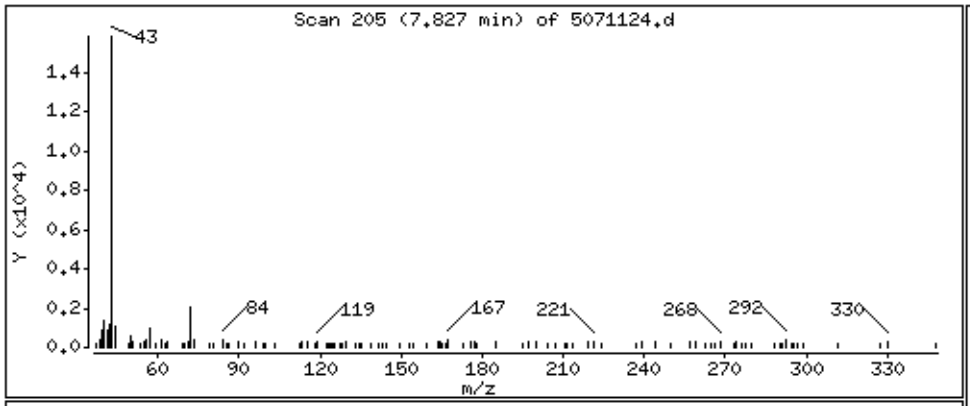
Operator: dm

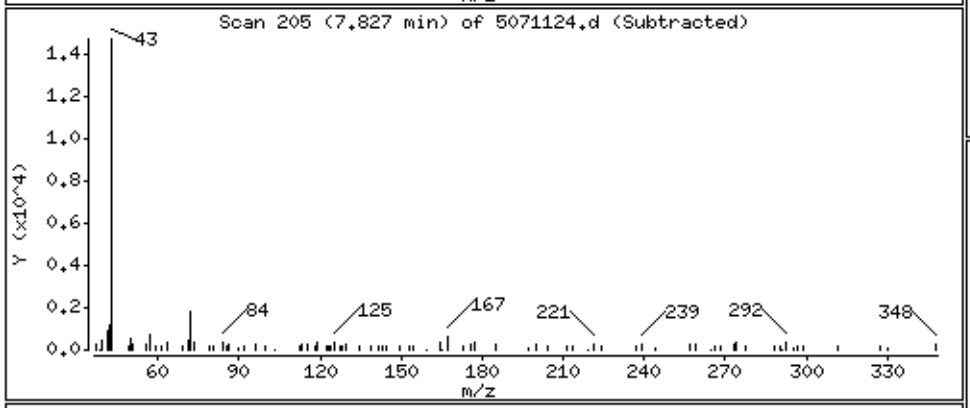
Column phase: RTx-624

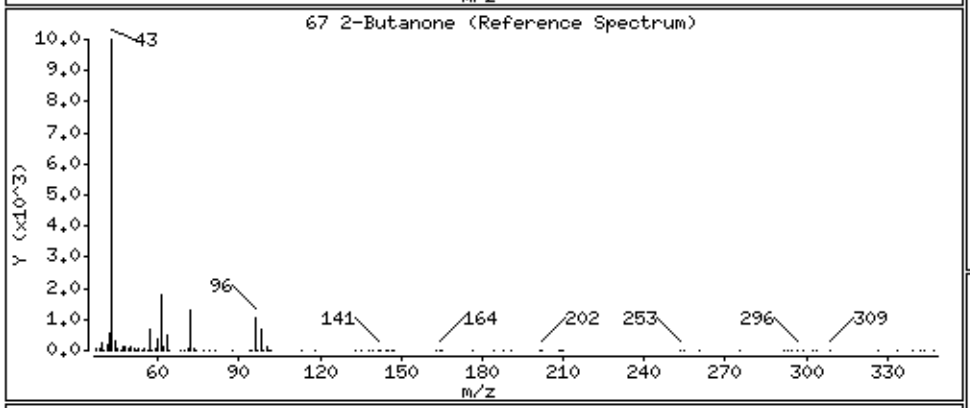
Column diameter: 0.53

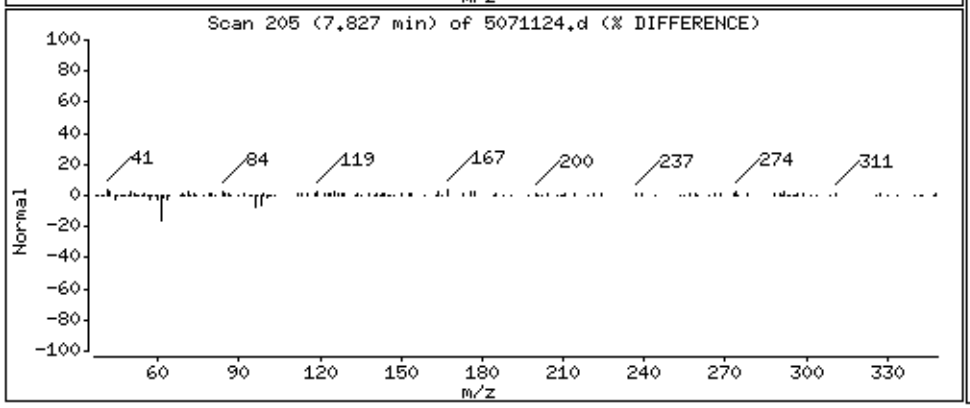
67 2-Butanone

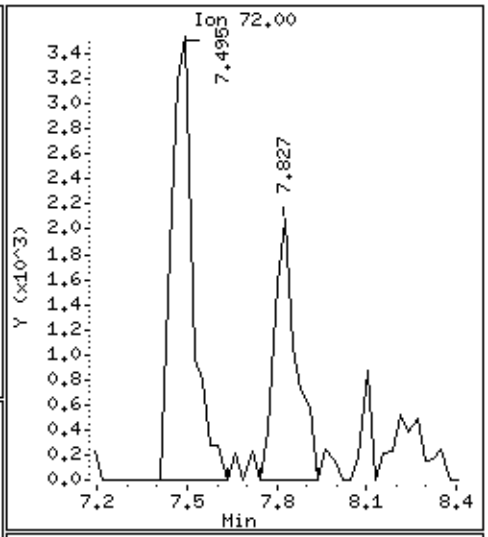
Concentration: 2.962 PPBV

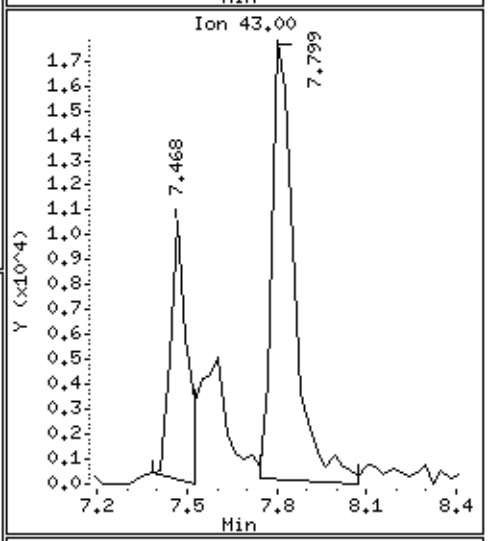


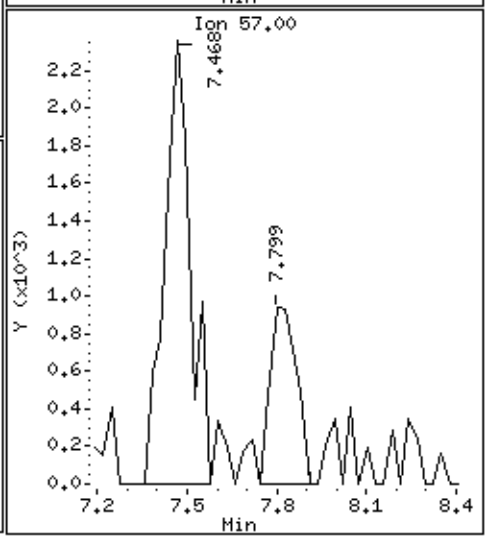












Data File: /chem/msd5.i/5-11jul.b/5071124.d

Date : 12-JUL-2007 03:17

Client ID: 1.91

Instrument: msd5.i

Sample Info: 200mL #4224

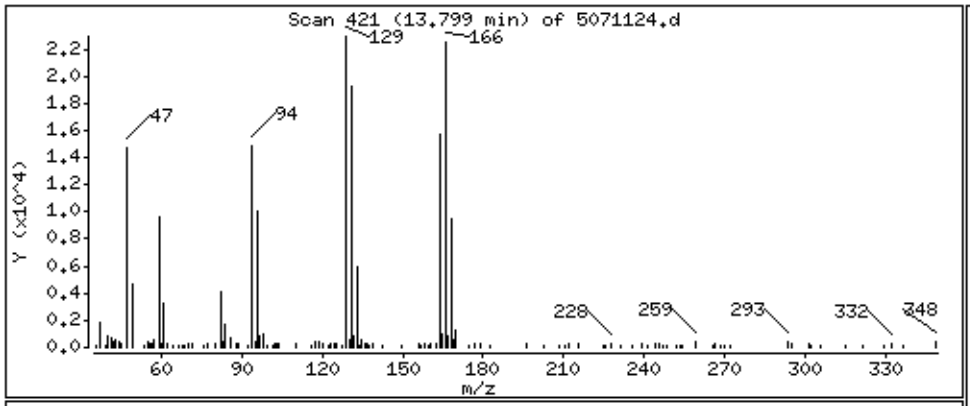
Operator: dm

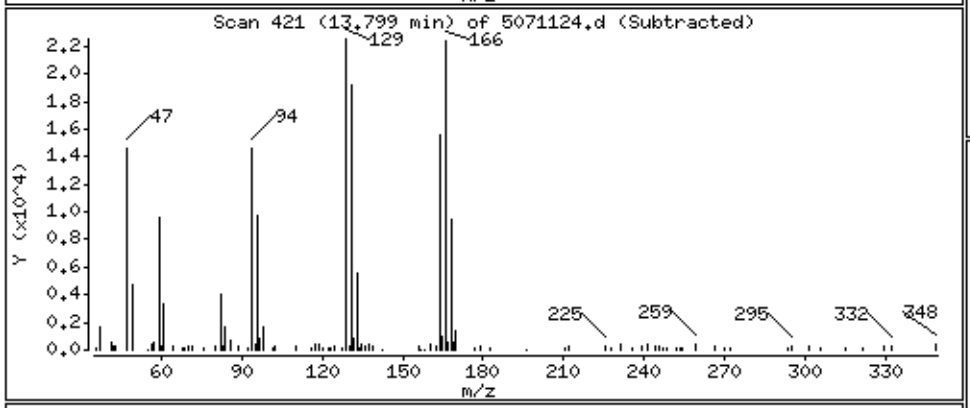
Column phase: RTx-624

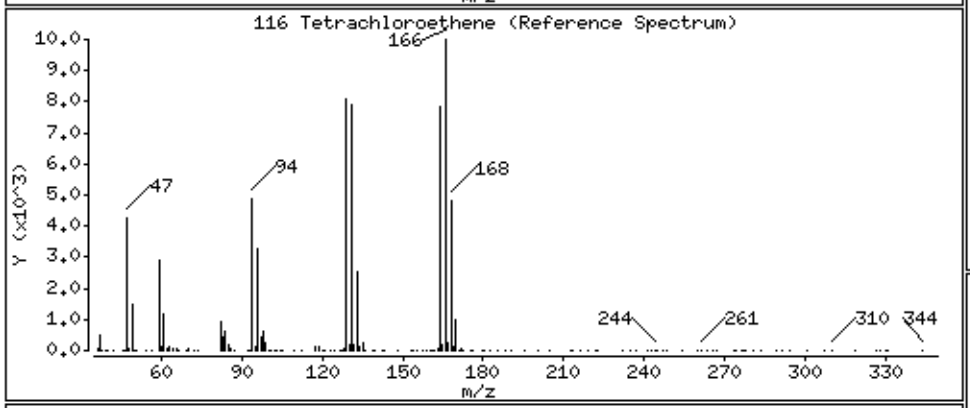
Column diameter: 0.53

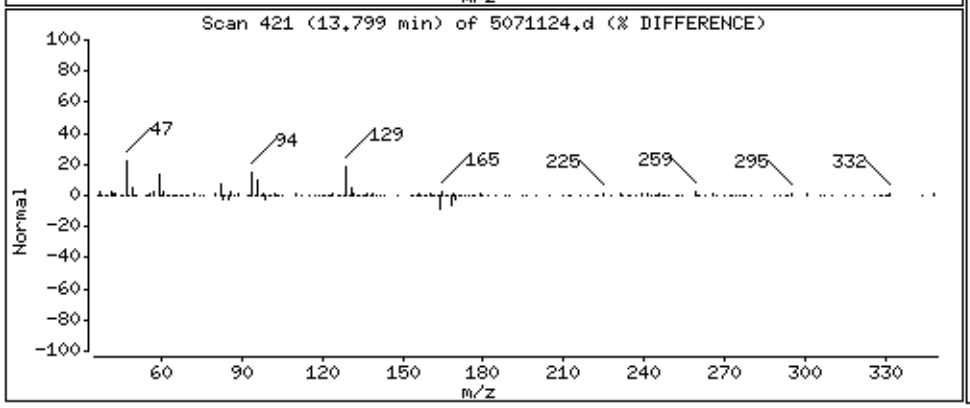
116 Tetrachloroethene

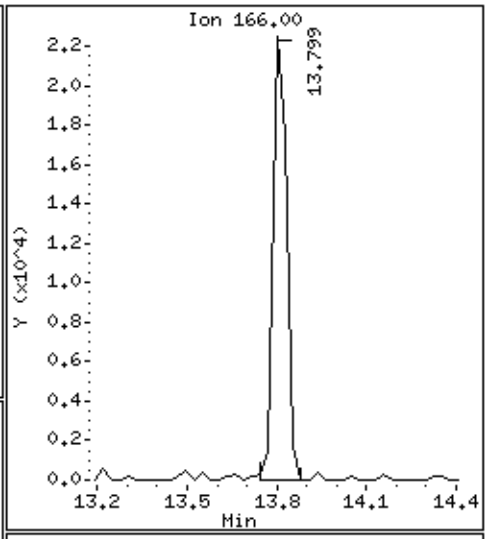
Concentration: 8.825 PPBV

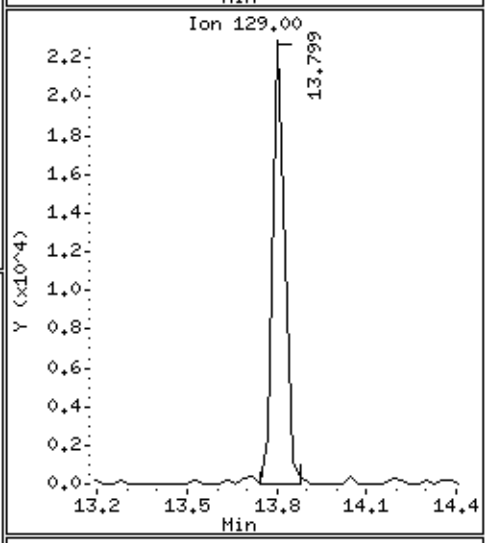


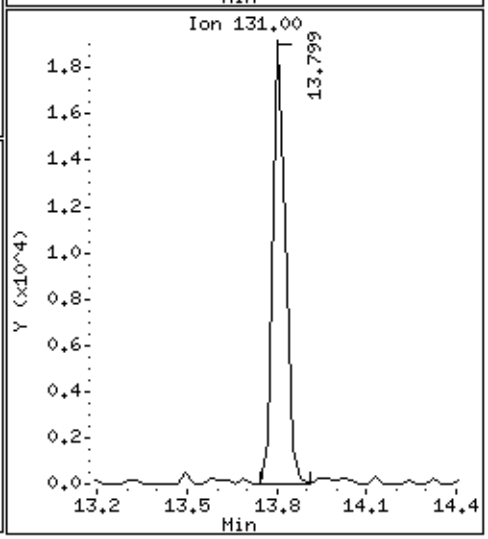












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707015-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 01:00 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#: 0707015-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 01:00 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071105.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 11-JUL-2007 13:00
Operator : JG Inst ID: msd5.i
Smp Info : 200ml #13673
Misc Info : Humid
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:21 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane						CAS #: 74-97-5		
8.214	8.214 (1.000)	130	247464	25.0000			80.00- 120.00	100.00
8.214	8.214 (1.000)	128	181391				48.36- 108.36	73.30
8.214	8.214 (1.000)	49	531483				183.11- 243.11	214.77
* 92 1,4-Difluorobenzene						CAS #: 540-36-3		
10.067	10.067 (1.000)	114	916454	25.0000			80.00- 120.00	100.00
10.067	10.067 (1.000)	88	144744				0.00- 47.41	15.79
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	715778	25.0000			80.00- 120.00	100.00
15.099	15.099 (1.000)	82	441707				30.57- 90.57	61.71
$ 84 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
9.265	9.265 (1.128)	65	460350	22.8506	22.850		80.00- 120.00	100.00
9.265	9.265 (1.128)	67	200143				28.18- 88.18	43.48
$ 107 Toluene-d8						CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	775009	24.2974	24.297		80.00- 120.00	100.00
12.832	12.832 (1.275)	70	85411				0.00- 41.76	11.02

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	491729			41.06- 101.06	63.45
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	450577	23.1221	23.122	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	725963			118.11- 178.11	161.12
16.675	16.675 (1.104)	176	452298			63.81- 123.81	100.38

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071105.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: Humid

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	247464	-23.40
92 1,4-Difluorobenze	1158147	694888	1621406	916454	-20.87
125 Chlorobenzene-d5	945083	567050	1323116	715778	-24.26

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.21	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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: 11-Jul-2007 13:30

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-11jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: JG
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	22.850	91.40	70-130
$ 107 Toluene-d8	25.000	24.297	97.19	70-130
$ 138 Bromofluorobenzene	25.000	23.122	92.49	70-130

Data File: /chem/msd5.i/5-11jul.b/5071105.d

Date : 11-JUL-2007 13:00

Client ID: Lab Blank

Sample Info: 200ml #13673

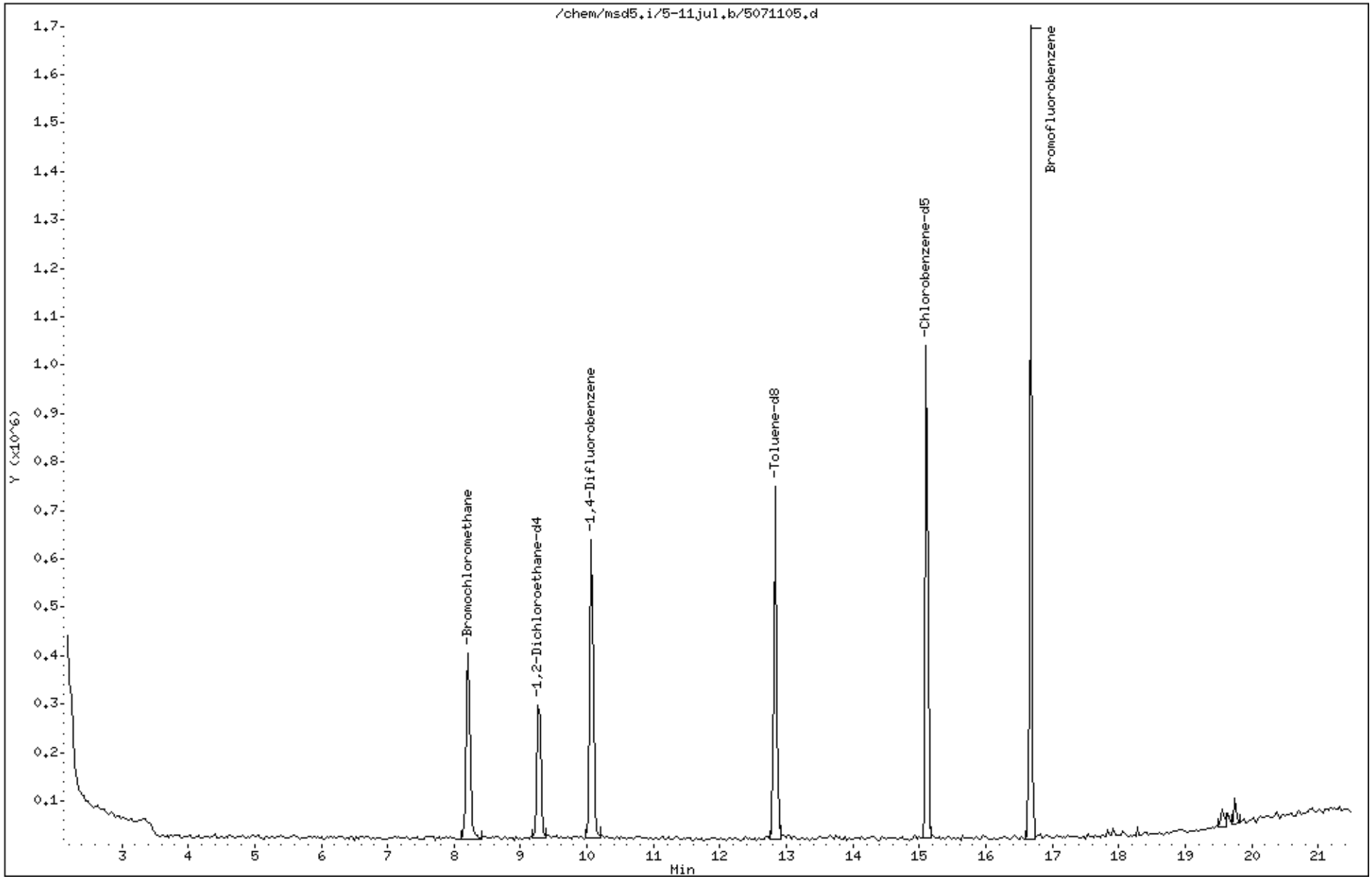
Column phase: RTx-624

Instrument: msd5.i

Operator: JG

Column diameter: 0.53

0051



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0707015

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UWAMS-5	96		99		98				0
02	DWAMS-2	97		101		99				0
03	DWAMS-2 Lab Duplicate	96		96		97				0
04	Lab Blank	91		97		92				0
05	CCV	92		100		103				0
06	LCS	94		99		102				0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0707015

Lab File ID: 5071102.d | Date Analyzed: 07/11/2007

Instrument ID: msd5.i | Time Analyzed: 10:25 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	945083		15.1		1158147		10.07		323047		8.21	
	UPPER LIMIT	1323116		15.43		1621406		10.40		452266		08.54	
	LOWER LIMIT	567050		14.77		694888		09.74		193828		07.88	
	CLIENT SAMPLE NO												
01	UWAMS-5	608803		15.1		750976		10.07		212821		8.21	
02	DWAMS-2	607349		15.1		719045		10.07		216640		8.21	
03	DWAMS-2 Lab Duplicate	616082		15.1		747523		10.07		205837		8.21	
04	Lab Blank	715778		15.1		916454		10.07		247464		8.21	
05	CCV	945083		15.1		1158147		10.07		323047		8.21	
06	LCS	779038		15.1		947013		10.07		259248		8.19	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: 5071124.d & 5071122.d

Lab Sample ID: 02A & 02AA Dilution: 1.91 & 1.91

Client Sample ID: 1.91 & 1.91 Date Analyzed: 7/12/07 & 7/12/07

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	3.119		2.962		5.2
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	18.104		21.553		17
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 5071124.d & 5071122.d

Lab Sample ID: 02A & 02AA

Dilution: 1.91 & 1.91

Client Sample ID: 1.91 & 1.91

Date Analyzed: 7/12/07 & 7/12/07

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
142-82-5	Heptane	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
110-54-3	Hexane	ND	U	ND	U	0
108-38-3	m,p-Xylene	ND	U	ND	U	0
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0
75-09-2	Methylene Chloride	ND	U	ND	U	0
91-20-3	Naphthalene	ND	U	ND	U	0
95-47-6	o-Xylene	ND	U	ND	U	0
103-65-1	Propylbenzene	ND	U	ND	U	0
100-42-5	Styrene	ND	U	ND	U	0
127-18-4	Tetrachloroethene	9.205		8.825		4.2
109-99-9	Tetrahydrofuran	ND	U	ND	U	0
108-88-3	Toluene	ND	U	ND	U	0
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0
79-01-6	Trichloroethene	ND	U	ND	U	0
75-01-4	Vinyl Chloride	ND	U	ND	U	0

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2007 14:34
End Cal Date : 10-JUL-2007 17:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd5.i/5-10jul.b/5071005.d
Level 2: /chem/msd5.i/5-10jul.b/5071006.d
Level 3: /chem/msd5.i/5-10jul.b/5071007.d
Level 4: /chem/msd5.i/5-10jul.b/5071008.d
Level 5: /chem/msd5.i/5-10jul.b/5071009.d
Level 6: /chem/msd5.i/5-10jul.b/5071010.d
Level 7: /chem/msd5.i/5-10jul.b/5071011.d

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Propylene	+++++	+++++	4.30085	4.96271	4.42004	4.05902	3.61976	4.27247	11.530
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2007 14:34
End Cal Date : 10-JUL-2007 17:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Dichlorodifluoromethane/Fr12	+++++	7.48311	8.53239	8.17205	7.43899	6.57949	6.60474	7.46846	10.652
9 Freon 114	+++++	6.80531	6.71221	7.40133	6.66980	6.10535	5.40229	6.51605	10.496
10 Chloromethane	+++++	+++++	4.55160	5.67144	5.00463	4.60359	3.86940	4.74013	13.953
11 Butane	+++++	+++++	1.10561	1.18009	1.08079	0.97805	0.85160	1.03923	12.259
12 1,3-Butadiene	+++++	3.98388	3.75564	4.39150	3.79609	3.50664	3.14626	3.76333	11.217
13 Vinyl Chloride	+++++	4.24957	4.09020	4.51770	4.02748	3.62835	3.30143	3.96912	11.037
14 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Bromomethane	+++++	2.10329	2.47118	2.76717	2.52669	2.42918	2.12598	2.40391	10.521
16 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 Isopentane	+++++	+++++	5.58680	6.35124	5.74822	5.36367	4.96333	5.60265	9.135

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Chloroethane	+++++	2.37824	2.22711	2.16927	1.93115	1.70572	1.60575	2.00287	15.308
20 Trichlorofluoromethane/Fr11	+++++	6.96032	6.71767	7.03306	6.44029	6.02103	5.62215	6.46575	8.583
21 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Ethanol	+++++	+++++	1.31397	1.38754	1.30728	1.23468	1.19887	1.28847	5.722
27 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
30 Freon 113	+++++	3.19363	3.72210	4.00031	3.56203	3.31157	3.13040	3.48667	9.670
31 1,1-Dichloroethene	+++++	4.38870	4.58859	4.74054	4.27432	4.10565	3.85224	4.32501	7.459
32 Acetone	+++++	+++++	1.25443	1.50730	1.41393	1.39925	1.33760	1.38250	6.791
33 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 Carbon Disulfide	+++++	6.20888	6.29930	7.02873	6.51359	6.11975	5.79770	6.32799	6.573
36 2-Propanol	+++++	+++++	6.09595	6.32033	5.95149	5.81423	5.61329	5.95906	4.517
37 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 3-Chloropropene	+++++	+++++	1.02485	1.11739	1.07106	1.00163	0.96615	1.03622	5.717
39 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 Methylene Chloride	+++++	3.69150	3.81080	4.01892	3.58590	3.47452	3.24108	3.63712	7.426
44 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 MTBE	+++++	4.12345	3.45007	4.87633	4.17903	3.45960	2.78608	3.81243	19.176
47 trans-1,2-Dichloroethene	+++++	2.59808	2.19437	2.42812	2.27485	2.16828	2.04411	2.28463	8.721

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Integrator : HP RTE
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Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
48 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 Hexane	+++++	5.25855	4.32070	5.09625	4.68890	4.49556	4.24886	4.68480	8.837
52 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
55 1,1-Dichloroethane	+++++	4.06833	4.27658	4.49049	4.09187	3.91063	3.72385	4.09362	6.571
56 Vinyl Acetate	+++++	+++++	0.48740	0.55910	0.52562	0.54119	0.51302	0.52527	5.198
57 Ethyl-tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Origin : Disabled
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Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
59 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
62 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 cis-1,2-Dichloroethene	+++++	2.61461	2.81092	3.25122	3.13325	2.98586	2.81365	2.93492	7.986
67 2-Butanone	+++++	1.05153	0.62184	0.87598	0.80709	0.81556	0.81464	0.83111	16.628

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2007 14:34
End Cal Date : 10-JUL-2007 17:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
69 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Tetrahydrofuran	+++++	5.40364	3.93321	3.64831	3.45477	3.38694	3.16376	3.83177	21.205
72 Chloroform	3.62246	3.51820	3.33818	3.82299	3.51238	3.38141	3.20905	3.48638	5.777
73 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Cyclohexane	+++++	2.28145	2.09043	2.44318	2.25415	2.20316	2.03502	2.21790	6.565
75 1,1,1-Trichloroethane	+++++	3.66923	4.15399	4.32819	4.07393	3.92560	3.67644	3.97123	6.677
76 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	4.28551	3.48706	4.35394	4.03310	3.89207	3.64787	3.94992	8.708
78 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2007 14:34
End Cal Date : 10-JUL-2007 17:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
79 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 2,2,4-Trimethylpentane	+++++	10.32704	10.47981	11.50793	10.76964	10.46112	9.77343	10.55316	5.413
81 Benzene	1.24310	1.32199	0.99183	1.19634	1.15734	1.07040	1.00983	1.14154	10.785
82 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 1,2-Dichloroethane	+++++	0.84907	0.84254	0.95267	0.90934	0.83943	0.81006	0.86718	6.114
86 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
90 Heptane	+++++	0.14960	0.19438	0.16582	0.15285	0.14022		
	0.13691						0.15663	13.487
91 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
93 Trichloroethene	+++++	0.65085	0.54866	0.55418	0.50712	0.47602		
	0.45693						0.53230	13.092
94 Methyl Cyclohexane	+++++	0.49325	0.57159	0.67834	0.65957	0.62608		
	0.60939						0.60637	11.041
95 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
96 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
97 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
98 1,2-Dichloropropane	+++++	0.48922	0.39823	0.45401	0.41849	0.38724		
	0.38784						0.42250	9.756
99 1,4-Dioxane	+++++	+++++	0.28451	0.23486	0.24850	0.23373		
	0.23039						0.24640	9.091
100 Bromodichloromethane	+++++	0.84699	0.81725	0.90360	0.87294	0.81607		
	0.79705						0.84232	4.773

Air Toxics Ltd.

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Integrator : HP RTE
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Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 cis-1,3-Dichloropropene	+++++	0.57798	0.49389	0.57138	0.55771	0.53030	0.52318	0.54241	5.951
104 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 4-Methyl-2-pentanone	+++++	0.31502	0.40267	0.41569	0.40804	0.38752	0.38841	0.38623	9.471
108 Toluene	+++++	1.26601	1.09124	1.18943	1.15895	1.09488	1.08738	1.14798	6.219
109 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
110 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
111 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
112 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 trans-1,3-Dichloropropene	+++++	0.83703	0.72845	0.81144	0.78573	0.80342	0.78511	0.79187	4.609
114 1,1,2-Trichloroethane	+++++	0.45466	0.39429	0.48064	0.48861	0.46213	0.44670	0.45450	7.357
115 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 Tetrachloroethene	+++++	0.57561	0.65609	0.68759	0.65129	0.62610	0.59718	0.63231	6.509
117 Bis(2-chloroethyl) ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
118 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 2-Hexanone	+++++	+++++	0.55927	0.67980	0.66486	0.66843	0.66894	0.64826	7.722
120 Dibromochloromethane	+++++	0.88103	0.79909	1.03997	0.97868	0.96702	0.95129	0.93618	9.012
121 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 1,2-Dibromoethane	+++++	0.75685	0.68460	0.85029	0.81660	0.79588	0.78607	0.78171	7.279
123 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
126 Chlorobenzene	+++++	1.16485	1.12846	1.25806	1.19977	1.16207	1.13041	1.17394	4.161
127 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 Ethyl Benzene	+++++	0.62190	0.63133	0.68545	0.66422	0.65563	0.61685	0.64590	4.170
129 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 m,p-Xylene	+++++	0.77056	0.82016	0.85977	0.83638	0.81184	0.77595	0.81244	4.249
131 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
132 o-Xylene	+++++	0.84844	0.69754	0.77089	0.76267	0.74415	0.72928	0.75883	6.729

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Styrene	1.42162	1.06228	1.13323	1.29332	1.26822	1.28909	1.25797	1.24653	9.381
134 Bromoform	+++++	0.59922	0.75330	0.89984	0.89427	0.88618	0.85168	0.81408	14.561
135 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 Cumene	2.87773	2.10510	2.43643	2.65024	2.62607	2.58366	2.45289	2.53316	9.434
137 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
141 1,1,2,2-Tetrachloroethane	+++++	1.07125	1.09410	1.09272	1.04848	1.02420	0.96961	1.05006	4.538
142 Propylbenzene	+++++	2.48475	2.80129	3.14745	3.07334	2.96989	2.60781	2.84742	9.254
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 4-Ethyltoluene	+++++	2.47979	2.91155	2.99077	2.96394	2.86448	2.46781	2.77973	8.668
145 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	1.99528	2.40079	2.45557	2.51446	2.41125	2.34086	2.35303	7.845
148 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 1,2,4-Trimethylbenzene	+++++	2.52308	2.49609	2.85137	2.72334	2.63751	2.35902	2.59840	6.767
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Start Cal Date : 10-JUL-2007 14:34
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	1.50222	1.69694	1.60612	1.59986	1.52398	1.40673	1.55597	6.459
156 1,4-Dichlorobenzene	+++++	1.33504	1.29929	1.32379	1.29375	1.26232	1.22011	1.28905	3.276
157 alpha-Chlorotoluene	+++++	1.66344	1.88256	2.20128	2.32963	2.35574	2.33524	2.12798	13.569
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 1,2-Dichlorobenzene	+++++	1.44515	1.73725	1.64240	1.60141	1.54609	1.42183	1.56569	7.675
160 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 1,2,4-Trichlorobenzene	+++++	+++++	1.53914	1.05313	1.16652	1.08712	1.04220	1.17762	17.652

Air Toxics Ltd.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-10jul.b/t14q710a.m
Cal Date : 11-Jul-2007 11:10 jgray
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	200.000 Level 7							
164 Hexachlorobutadiene	+++++	+++++	1.23676	0.99075	0.99435	0.93779		
	0.88256						1.00844	13.440
165 Naphthalene	+++++	+++++	4.37046	3.14276	3.26783	3.24568		
	2.70577						3.34650	18.402
166 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
167 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
$ 84 1,2-Dichloroethane-d4	+++++	1.98022	2.04112	1.98225	2.04100	2.04028		
	2.12666						2.03526	2.626
$ 107 Toluene-d8	+++++	0.86968	0.87741	0.87782	0.86379	0.86041		
	0.87159						0.87012	0.811
$ 138 Bromofluorobenzene	+++++	0.65419	0.67690	0.67289	0.67021	0.69559		
	0.71392						0.68062	3.092

Calibration History

Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Start Cal Date: 10-JUL-2007 14:34
End Cal Date : 10-JUL-2007 17:28

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
10-JUL-2007 14:34	AFCEElow	/chem/msd5.i/5-10jul.b/5071005.d
Cal Level: 2 , Cal Amount: 0.50000		
10-JUL-2007 15:02	AT04Low+ENSR	/chem/msd5.i/5-10jul.b/5071006.d
Cal Level: 3 , Cal Amount: 2.00000		
10-JUL-2007 15:30	AT04MDL+ENSR	/chem/msd5.i/5-10jul.b/5071007.d
Cal Level: 4 , Cal Amount: 25.00000		
10-JUL-2007 15:58	AT04MDL+ENSR	/chem/msd5.i/5-10jul.b/5071008.d
Cal Level: 5 , Cal Amount: 50.00000		
10-JUL-2007 16:27	AT04MDL+ENSR	/chem/msd5.i/5-10jul.b/5071009.d
Cal Level: 6 , Cal Amount: 100.00000		
10-JUL-2007 16:55	AT04MDL+ENSR	/chem/msd5.i/5-10jul.b/5071010.d
Cal Level: 7 , Cal Amount: 200.00000		
10-JUL-2007 17:28	AT04MDL+ENSR	/chem/msd5.i/5-10jul.b/5071011.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 8

Ccal Level: 8 , Ccal Amount: 50.000
10-JUL-2007 16:27 | AT04MDL+ENSR | /chem/msd5.i/5-10jul.b/5071009a.d

@ Air Toxics Ltd.

MSD-5

Logbook #: 1523

0075

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	35.41
75	30.0 – 60.0% of mass 95	59.15
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.37
173	Less than 2.0% of mass 174	(0.78)[1]
174	Greater than 50.0% of mass 95	64.79
175	5.0 – 9.0% of mass 174	(7.09)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.25)[1]
177	5.0 – 9.0% of mass 176	(6.24)[2]

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

BFB Injection Date: 7/10/07

BFB Injection Time: 1334

BFB File ID: 5071003

Tekmar Purge Flow: —

Vacuum: — 7/10/07

IS/S Std.#:	1487-311	Exp. Date: 9/18/07
BCM	234839	
1,4-DFB	894476	
CB-d5	750815	

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

Verify 176/174 m/z Ratio: 476288 / 494848 · 100 = 96.25 %.

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 772643\ )}{(\ 894476\ )} \times \frac{(\ 25\ )}{(\ 0.87012\ )} =$ 24.818

File ID:	5071009
Compound:	TBI-d8
Initials:	—

Reported Result 24.818

	Use	File #	Sample / Client Name	Can #	Pressure	Amt. Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	X	5071001	BFB Tune Check	843-2980	50ng	2.0ml	1.0	DB	7-10-07	1316	DB	40 ↑
2	X	5071002	↓	↓	↓	↓	↓	↓	↓	1325	DB	40 ↑
3	✓	03	↓	↓	↓	↓	↓	↓	↓	1334	DB	
4	X	04	System Blank	34190	—	200ml	1.0	↓	↓	1406	DB	
5	✓	05	ICAL Level 1	1443-151	0.3ppbv	0.3ml	↓	↓	↓	1434	DB	(200ppbv)
6	✓	06	2	↓	0.5ppbv	0.5ml	↓	↓	↓	1502	DB	
7	✓	07	3	↓	2.0ppbv	2.0ml	↓	↓	↓	1530	KR	
8	✓	08	4	↓	25ppbv	25ml	↓	↓	↓	1558	KR	
9	✓	09	5	↓	50ppbv	50ml	↓	↓	↓	1627	KR	

Signature

7/11/07
Date

10	✓	5071010	ICAL Level 6	1443-151	100 ppbv	100 mL	1.0	DB	7-10-07	1655	KR		9700
11	✓	11	↓ 7	↓	200 ppbv	200 mL	↓	↓	↓	1728	KR		
12	X	12	System Blank	34190	Humid	200 mL	↓	KR	↓	1826	KR		
13	X	13	LCS 1443-147	200 ppbv →	50 ppbv	50 mL	↓	↓	↓	1853	KR		
14	X	14	System Blank	34190	Humid	200 mL	↓	↓	↓	2111	KR		
15	X	15	↓	↓	↓	↓	↓	↓	↓	2144	KR		
16	✓	16	LCS 1443-144	200 ppbv →	50 ppbv	50 mL	↓	↓	↓	2222	KR	ICAL LCS	
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													

7/11/07

Comments:

Flow Meter: 200-7744, Exp- 7/28/07 Flow Controller: AA9203108

Actual: 25.3 mL/min Nominal: 22.4 mL/min

Signature

7/11/07
Date

Initial Calibration Narrative

A seven-point initial calibration was analyzed on MSD-5 on July 10, 2007.

The following compounds used 0.3 ppbv as the lowest calibration concentration: Benzene, Chloroform, Styrene and Cumene.

Air Toxics Ltd.
Modified EPA Methods TO-14A/TO-15 Low Level
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
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
Surrogates:
1,2-Dichloroethane-d4

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071016.d
Lab Smp Id: ICAL LCS Client Smp ID: LCS
Inj Date : 10-JUL-2007 22:22
Operator : kr Inst ID: msd5.i
Smp Info : 50ml #1443-144
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:10 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.187	8.214 (1.000)	130	249825	25.0000		70.00- 130.00	100.00
8.187	8.214 (1.000)	128	188631			51.52- 111.52	75.51
8.187	8.214 (1.000)	49	546662			208.25- 268.25	218.82
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	934836	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	157832			0.00- 46.63	16.88
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	745924	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	463858			30.57- 90.57	62.19
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.132)	65	482363	23.7170	23.717	70.00- 130.00	100.00
9.265	9.265 (1.132)	67	251789			28.18- 88.18	52.20
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	795301	24.4433	24.443	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	92341			0.00- 41.76	11.61

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	537481			41.06- 101.06	67.58
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	506645	24.9486	24.949	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	776199			119.97- 179.97	153.20
16.675	16.675 (1.104)	176	494547			67.40- 127.40	97.61
6 Propylene					CAS #: 115-07-1		
2.325	2.353 (0.284)	41	2321563	54.3757	54.376	70.00- 130.00	100.00
2.325	2.353 (0.284)	42	1559354			36.39- 96.39	67.17
2.353	2.353 (0.287)	39	1563364			38.20- 98.20	67.34
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.294)	85	3652507	48.9400	48.940	70.00- 130.00	100.00
2.408	2.408 (0.294)	87	1164890			2.80- 62.80	31.89
9 Freon 114					CAS #: 76-14-2		
2.518	2.574 (0.308)	135	3254398	49.9793	49.979	70.00- 130.00	100.00
2.518	2.574 (0.308)	137	1033701			1.64- 61.64	31.76
10 Chloromethane					CAS #: 74-87-3		
2.684	2.712 (0.328)	50	2438615	51.4822	51.482	70.00- 130.00	100.00
2.684	2.712 (0.328)	52	754890			0.00- 59.59	30.96
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.850 (0.348)	62	1997612	50.3641	50.364	70.00- 130.00	100.00
2.850	2.850 (0.348)	64	605527			0.94- 60.94	30.31
12 1,3-Butadiene					CAS #: 106-99-0		
2.823	2.850 (0.345)	54	1835587	48.8097	48.810	70.00- 130.00	100.00
2.823	2.850 (0.345)	39	2153644			79.13- 139.13	117.33
15 Bromomethane					CAS #: 74-83-9		
3.376	3.376 (0.412)	94	1252241	52.1282	52.128	70.00- 130.00	100.00
3.376	3.376 (0.412)	96	1184615			61.78- 121.78	94.60
19 Chloroethane					CAS #: 75-00-3		
3.486	3.542 (0.426)	64	919406	45.9365	45.936	70.00- 130.00	100.00
3.486	3.542 (0.426)	49	300811			1.23- 61.23	32.72
3.486	3.542 (0.426)	66	282322			0.00- 59.50	30.71
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.818	3.846 (0.466)	101	3059164	47.3465	47.346	70.00- 130.00	100.00
3.818	3.846 (0.466)	103	2000062			34.30- 94.30	65.38

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.205	4.260 (0.514)	45	705342	54.7811	54.781	70.00- 130.00	100.00
4.205	4.260 (0.514)	43	137182			0.00- 50.63	19.45
4.205	4.260 (0.514)	46	291293			12.88- 72.88	41.30
30 Freon 113					CAS #: 76-13-1		
4.648	4.648 (0.568)	151	1880175	53.9624	53.962	70.00- 130.00	100.00
4.648	4.648 (0.568)	153	1179630			33.00- 93.00	62.74
4.648	4.648 (0.568)	101	2392861			96.57- 156.57	127.27
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.675	4.703 (0.571)	61	2327994	53.8641	53.864	70.00- 130.00	100.00
4.675	4.703 (0.571)	96	1201779			21.57- 81.57	51.62
4.675	4.703 (0.571)	98	765933			2.43- 62.43	32.90
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.591)	58	713462	51.6427	51.643	70.00- 130.00	100.00
4.841	4.841 (0.591)	43	2708836			345.94- 405.94	379.67
36 2-Propanol					CAS #: 67-63-0		
5.035	5.035 (0.615)	45	3010612	50.5570	50.557	70.00- 130.00	100.00
5.035	5.035 (0.615)	43	636155			0.00- 51.25	21.13
5.035	5.062 (0.615)	59	100495			0.00- 33.26	3.34
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.062 (0.615)	76	3108990	49.1652	49.165	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.339 (0.649)	76	530707	51.2517	51.252	70.00- 130.00	100.00
5.311	5.311 (0.649)	41	2397160			428.29- 488.29	451.69
43 Methylene Chloride					CAS #: 75-09-2		
5.560	5.588 (0.679)	49	1890475	52.0136	52.014	70.00- 130.00	100.00
5.560	5.588 (0.679)	84	933264			19.10- 79.10	49.37
5.560	5.588 (0.679)	51	572471			0.00- 59.62	30.28
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.720)	73	1889255	49.5899	49.590	70.00- 130.00	100.00
5.892	5.892 (0.720)	57	597900			1.71- 61.71	31.65
5.892	5.892 (0.720)	41	684838			5.82- 65.82	36.25
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.975 (0.726)	96	1119216	49.0232	49.023	70.00- 130.00	100.00
5.947	5.947 (0.726)	61	1925214			147.56- 207.56	172.01
5.947	5.975 (0.726)	98	703961			34.11- 94.11	62.90

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.279	6.306 (0.767)	57	2257805	48.2280	48.228	70.00- 130.00	100.00
6.279	6.306 (0.767)	43	1795613			48.00- 108.00	79.53
6.306	6.306 (0.770)	86	310198			0.00- 43.50	13.74
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.721	6.749 (0.821)	63	2061521	50.3946	50.394	70.00- 130.00	100.00
6.721	6.749 (0.821)	65	628205			0.08- 60.08	30.47
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.953)	72	398157	47.9404	47.940	70.00- 130.00	100.00
7.800	7.800 (0.953)	43	2942707			701.20- 761.20	739.08
7.800	7.800 (0.953)	57	194451			17.94- 77.94	48.84
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.949)	61	1526993	52.0649	52.065	70.00- 130.00	100.00
7.772	7.772 (0.949)	96	908508			28.69- 88.69	59.50
7.772	7.772 (0.949)	98	571132			7.24- 67.24	37.40
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (1.000)	42	1646315	42.9950	42.995	70.00- 130.00	100.00
8.187	8.187 (1.000)	71	355113			0.00- 50.96	21.57
8.187	8.187 (1.000)	72	386188			0.00- 52.57	23.46
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.017)	83	1769848	50.8002	50.800	70.00- 130.00	100.00
8.325	8.325 (1.017)	85	1125822			34.47- 94.47	63.61
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.574 (1.047)	97	2004966	50.5226	50.523	70.00- 130.00	100.00
8.574	8.574 (1.047)	99	1292254			34.31- 94.31	64.45
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.546 (1.044)	84	1141755	51.5152	51.515	70.00- 130.00	100.00
8.546	8.546 (1.044)	56	1947777			139.70- 199.70	170.60
8.546	8.546 (1.044)	41	1273519			82.79- 142.79	111.54
56 Vinyl Acetate					CAS #: 108-05-4		
6.804	6.804 (0.831)	86	259801	49.4956	49.496	70.00- 130.00	100.00
6.777	6.804 (0.828)	43	4205134			1517.90-1577.90	1618.60
6.777	6.804 (0.828)	42	329343			95.05- 155.05	126.77
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.078)	119	1988453	50.3768	50.377	70.00- 130.00	100.00
8.823	8.823 (1.078)	117	2057341			73.73- 133.73	103.46

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.128)	57	5308768	50.3402	50.340	70.00- 130.00	100.00
9.237	9.237 (1.128)	56	1755747			3.13- 63.13	33.07
9.237	9.237 (1.128)	41	1906414			5.67- 65.67	35.91
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	2176619	50.9911	50.991	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	520269			0.00- 53.63	23.90
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.403 (0.934)	62	1680178	51.8142	51.814	70.00- 130.00	100.00
9.403	9.403 (0.934)	64	514230			0.06- 60.06	30.61
90 Heptane					CAS #: 142-82-5		
9.624	9.624 (0.956)	100	281102	47.9951	47.995	70.00- 130.00	100.00
9.624	9.624 (0.956)	43	2473059			838.33- 898.33	879.77
9.624	9.624 (0.956)	71	763922			240.92- 300.92	271.76
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	957122	48.0861	48.086	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	943838			68.79- 128.79	98.61
10.482	10.482 (1.041)	97	615031			33.78- 93.78	64.26
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	784579	49.6605	49.660	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	587344			43.63- 103.63	74.86
10.979	10.979 (1.091)	41	916468			86.84- 146.84	116.81
99 1,4-Dioxane					CAS #: 123-91-1		
11.228	11.200 (1.115)	88	461180	50.0543	50.054	70.00- 130.00	100.00
11.200	11.200 (1.113)	58	464244			65.62- 125.62	100.66
11.200	11.200 (1.113)	57	157912			4.99- 64.99	34.24
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	1654537	52.5297	52.530	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	1059943			34.05- 94.05	64.06
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	1012316	49.9110	49.911	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	314037			1.72- 61.72	31.02
12.445	12.445 (1.236)	39	1133579			77.37- 137.37	111.98
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.721	12.721 (1.264)	58	780436	54.0382	54.038	70.00- 130.00	100.00
12.721	12.721 (1.264)	43	2708132			324.04- 384.04	347.00
12.749	12.749 (1.266)	85	279808			5.91- 65.91	35.85

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	2279794	53.1086	53.108	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	1344361			29.35- 89.35	58.97
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	1238806	52.4321	52.432	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	378094			1.37- 61.37	30.52
13.468	13.468 (0.892)	39	1110773			59.57- 119.57	89.66
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.744 (0.910)	97	724747	53.4433	53.443	70.00- 130.00	100.00
13.772	13.744 (0.912)	99	447710			31.17- 91.17	61.77
13.744	13.744 (0.910)	83	591310			49.80- 109.80	81.59
116 Tetrachloroethene					CAS #: 127-18-4		
13.799	13.800 (0.914)	166	998272	52.9133	52.913	70.00- 130.00	100.00
13.799	13.800 (0.914)	129	858742			54.80- 114.80	86.02
13.799	13.800 (0.914)	131	818805			53.68- 113.68	82.02
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	1033558	53.4356	53.436	70.00- 130.00	100.00
14.131	14.131 (0.936)	43	2759112			232.19- 292.19	266.95
14.131	14.131 (0.936)	100	174276			0.00- 48.26	16.86
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	1517047	54.3107	54.311	70.00- 130.00	100.00
14.297	14.297 (0.947)	127	1178203			47.59- 107.59	77.66
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	1219267	52.2753	52.275	70.00- 130.00	100.00
14.463	14.463 (0.958)	109	1164805			65.69- 125.69	95.53
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	1848850	52.7840	52.784	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	599944			2.34- 62.34	32.45
15.154	15.154 (1.004)	77	1145718			33.83- 93.83	61.97
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	1031443	53.5213	53.521	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	3352158			297.24- 357.24	325.00
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	1284800	53.0015	53.001	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	2840653			193.39- 253.39	221.10
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	1191487	52.6248	52.625	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	2761684			210.05- 270.05	231.78
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	1988913	53.4759	53.476	70.00- 130.00	100.00
16.011	16.011 (1.060)	78	1148993			29.76- 89.76	57.77
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	1340917	55.2051	55.205	70.00- 130.00	100.00
16.260	16.260 (1.077)	171	695685			21.17- 81.17	51.88
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	1597152	50.9774	50.977	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	1047066			34.95- 94.95	65.56
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	4547110	54.8250	54.825	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	1288545			0.00- 57.28	28.34
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	3834498	54.6167	54.617	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	1711173			14.22- 74.22	44.63
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	4126863	53.2303	53.230	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	1637565			10.86- 70.86	39.68
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	2372441	51.1021	51.102	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	1498143			32.39- 92.39	63.15
17.836	17.836 (1.181)	111	1126165			16.65- 76.65	47.47
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	1922376	49.9820	49.982	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	1231921			32.96- 92.96	64.08
17.919	17.919 (1.187)	111	944248			18.50- 78.50	49.12
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.057	18.058 (1.196)	91	3540032	55.7551	55.755	70.00- 130.00	100.00
18.057	18.058 (1.196)	126	609485			0.00- 47.51	17.22
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	2409415	51.5765	51.576	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	1524501			32.18- 92.18	63.27
18.279	18.279 (1.211)	111	1151923			16.70- 76.70	47.81

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	1649101	46.9339	46.934	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	1587635			65.09- 125.09	96.27
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	1468716	48.8127	48.813	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	926111			32.42- 92.42	63.06
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	4866049	57.2757	57.276	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	1040365			0.00- 52.34	21.38
16.924	16.924 (1.121)	105	189057			0.00- 33.95	3.89
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	4123441	54.5560	54.556	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	1053156			0.00- 54.04	25.54
16.426	16.426 (1.088)	51	667403			0.00- 46.15	16.19
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	4456805	44.6353	44.635	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	549042			0.00- 42.44	12.32
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.429)	43	2753400	49.1790	49.179	70.00- 130.00	100.00
3.514	3.542 (0.429)	57	1523151			28.21- 88.21	55.32
3.514	3.542 (0.429)	72	150162			0.00- 35.14	5.45
11 Butane					CAS #: 106-97-8		
2.740	2.767 (0.335)	58	523396	50.3991	50.399	70.00- 130.00	100.00
2.740	2.767 (0.335)	43	4332614			783.91- 843.91	827.79
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	1280457	56.4718	56.472	70.00- 130.00	100.00
10.703	10.703 (1.063)	98	642565			20.54- 80.54	50.18
10.703	10.703 (1.063)	55	1618497			97.36- 157.36	126.40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071016.d
Lab Smp Id: ICAL LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	249825	6.38
92 1,4-Difluorobenze	894476	536686	1252266	934836	4.51
125 Chlorobenzene-d5	750815	450489	1051141	745924	-0.65

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.19	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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: 11-Jul-2007 11:11

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-10jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: ICAL LCS Client Smp ID: LCS
Level: LOW Operator: kr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8 Dichlorodifluorome	50.000	48.940	97.88	70-130
9 Freon 114	50.000	49.979	99.96	70-130
10 Chloromethane	50.000	51.482	102.96	70-130
13 Vinyl Chloride	50.000	50.364	100.73	70-130
12 1,3-Butadiene	50.000	48.810	97.62	60-140
15 Bromomethane	50.000	52.128	104.26	70-130
19 Chloroethane	50.000	45.936	91.87	70-130
20 Trichlorofluoromet	50.000	47.346	94.69	70-130
26 Ethanol	50.000	54.781	109.56	60-140
30 Freon 113	50.000	53.962	107.92	70-130
31 1,1-Dichloroethene	50.000	53.864	107.73	70-130
35 Carbon Disulfide	50.000	49.165	98.33	60-140
32 Acetone	50.000	51.643	103.29	60-140
36 2-Propanol	50.000	50.557	101.11	60-140
38 3-Chloropropene	50.000	51.252	102.50	60-140
43 Methylene Chloride	50.000	52.014	104.03	70-130
46 MTBE	50.000	49.590	99.18	60-140
47 trans-1,2-Dichloro	50.000	49.023	98.05	60-140
51 Hexane	50.000	48.228	96.46	60-140
55 1,1-Dichloroethane	50.000	50.394	100.79	70-130
66 cis-1,2-Dichloroet	50.000	52.065	104.13	70-130
67 2-Butanone	50.000	47.940	95.88	60-140
70 Tetrahydrofuran	50.000	42.995	85.99	60-140
72 Chloroform	50.000	50.800	101.60	70-130
74 Cyclohexane	50.000	51.515	103.03	60-140
75 1,1,1-Trichloroeth	50.000	50.523	101.05	70-130
56 Vinyl Acetate	50.000	49.496	98.99	60-140
77 Carbon Tetrachlori	50.000	50.377	100.75	70-130
80 2,2,4-Trimethylpen	50.000	50.340	100.68	60-140
81 Benzene	50.000	50.991	101.98	70-130
85 1,2-Dichloroethane	50.000	51.814	103.63	70-130
90 Heptane	50.000	47.995	95.99	60-140
93 Trichloroethene	50.000	48.086	96.17	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,2-Dichloropropan	50.000	49.660	99.32	70-130
99 1,4-Dioxane	50.000	50.054	100.11	60-140
100 Bromodichlorometha	50.000	52.530	105.06	60-140
103 cis-1,3-Dichloropr	50.000	49.911	99.82	70-130
106 4-Methyl-2-pentano	50.000	54.038	108.08	60-140
108 Toluene	50.000	53.108	106.22	70-130
113 trans-1,3-Dichloro	50.000	52.432	104.86	70-130
114 1,1,2-Trichloroeth	50.000	53.443	106.89	70-130
116 Tetrachloroethene	50.000	52.913	105.83	70-130
119 2-Hexanone	50.000	53.436	106.87	60-140
120 Dibromochlorometha	50.000	54.311	108.62	60-140
122 1,2-Dibromoethane	50.000	52.275	104.55	70-130
126 Chlorobenzene	50.000	52.784	105.57	70-130
128 Ethyl Benzene	50.000	53.521	107.04	70-130
130 m,p-Xylene	50.000	53.001	106.00	70-130
132 o-Xylene	50.000	52.625	105.25	70-130
133 Styrene	50.000	53.476	106.95	70-130
134 Bromoform	50.000	55.205	110.41	60-140
136 Cumene	50.000	54.556	109.11	60-140
141 1,1,2,2-Tetrachlor	50.000	50.977	101.95	70-130
142 Propylbenzene	50.000	57.276	114.55	60-140
144 4-Ethyltoluene	50.000	54.825	109.65	60-140
147 1,3,5-Trimethylben	50.000	54.617	109.23	70-130
152 1,2,4-Trimethylben	50.000	53.230	106.46	70-130
155 1,3-Dichlorobenzen	50.000	51.102	102.20	70-130
156 1,4-Dichlorobenzen	50.000	49.982	99.96	70-130
157 alpha-Chlorotoluen	50.000	55.755	111.51	70-130
159 1,2-Dichlorobenzen	50.000	51.576	103.15	70-130
163 1,2,4-Trichloroben	50.000	46.934	93.87	70-130
164 Hexachlorobutadien	50.000	48.813	97.63	70-130
6 Propylene	50.000	54.376	108.75	70-130
165 Naphthalene	50.000	44.635	89.27	60-140
11 Butane	50.000	50.399	100.80	70-130
17 Isopentane	50.000	49.179	98.36	70-130
94 Methyl Cyclohexane	50.000	56.472	112.94	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	23.717	94.87	70-130
$ 107 Toluene-d8	25.000	24.443	97.77	70-130
$ 138 Bromofluorobenzene	25.000	24.949	99.79	70-130

Data File: /chem/msd5.i/5-10jul.b/5071016.d

Date : 10-JUL-2007 22:22

Client ID: LCS

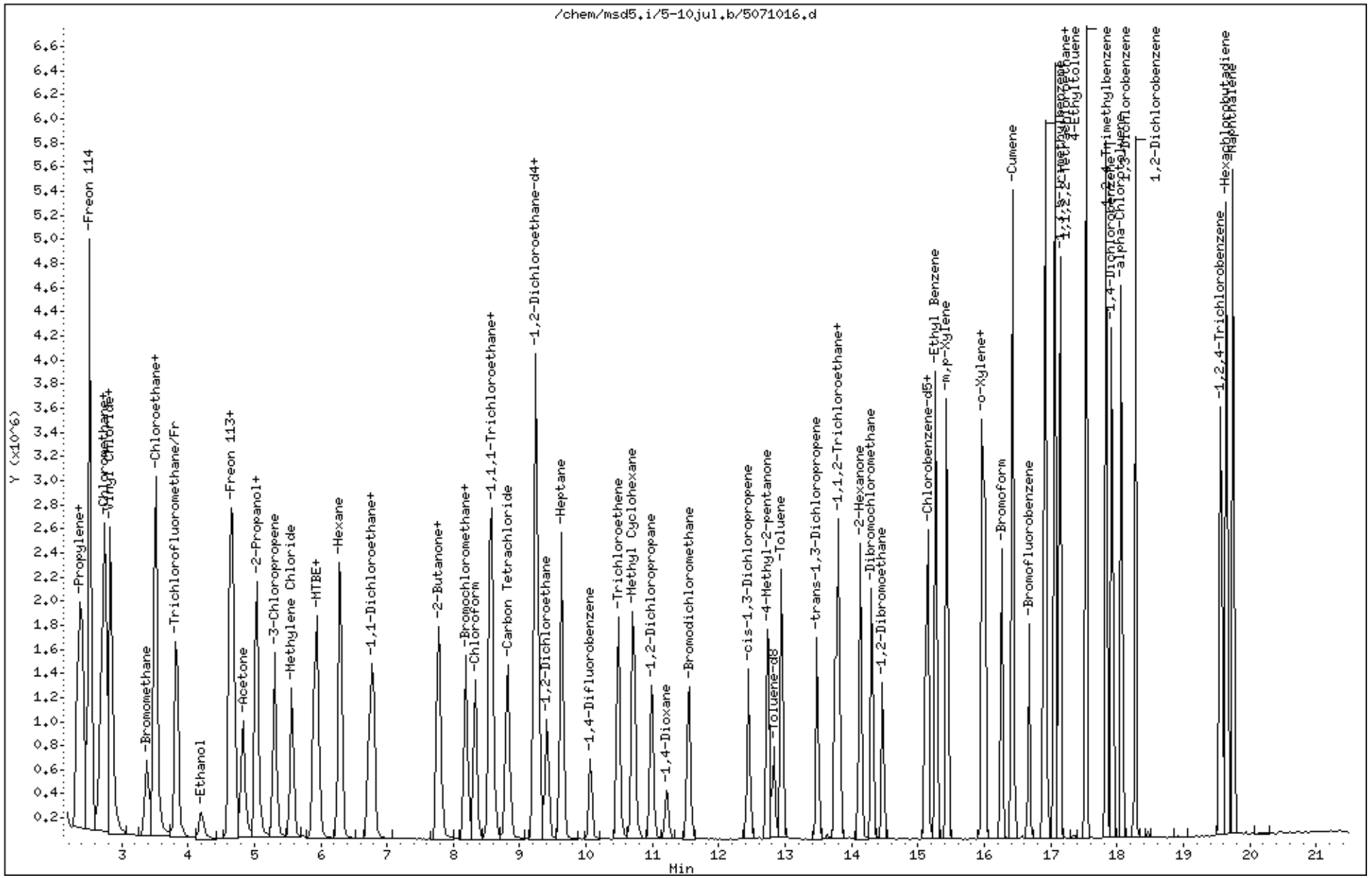
Sample Info: 50ml #1443-144

Column phase: RTx-624

Instrument: msd5.i

Operator: kr

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071005.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 10-JUL-2007 14:34
Operator : db Inst ID: msd5.i
Smp Info : 0.3ml #1443-151
Misc Info : 200ppbv-0.3ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:09 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 14:34 Cal File: 5071005.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.214	8.214 (1.000)	130	242837	25.0000		70.00- 130.00	100.00
8.214	8.214 (1.000)	128	171296			46.71- 106.71	70.54
8.187	8.187 (1.000)	49	507831			194.03- 254.03	209.12
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	859682	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	146096			0.00- 46.61	16.99
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	698032	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	424117			0.00- 30.00	60.76
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.128)	65	460896	25.0000	23.314	70.00- 130.00	100.00
9.265	9.265 (1.128)	67	207650			0.00- 30.00	45.05
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	739240	25.0000	24.706	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	93482			0.00- 30.00	12.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	484149			0.00- 30.00	65.49
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	444976	25.0000	23.415	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	690188			123.91- 183.91	155.11
16.675	16.675 (1.104)	176	430286			68.17- 128.17	96.70
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.013)	83	10556	0.30000	0.3117	70.00- 130.00	100.00
8.325	8.325 (1.013)	85	6967			34.70- 94.70	66.00
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	12824	0.30000	0.3267	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	6010			0.00- 30.00	46.87
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	11908	0.30000	0.3421	70.00- 130.00	100.00
16.011	16.011 (1.060)	78	8574			31.18- 91.18	72.00
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	24105	0.30000	0.3408	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	7146			0.00- 30.00	29.65
16.426	16.426 (1.088)	51	5474			0.00- 30.00	22.71

Report Date: 11-Jul-2007 11:09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071005.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-0.3ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	242837	3.41
92 1,4-Difluorobenze	894476	536686	1252266	859682	-3.89
125 Chlorobenzene-d5	750815	450489	1051141	698032	-7.03

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.21	0.34
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	0.00

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

Data File: /chem/msd5.i/5-10jul.b/5071005.d

Date : 10-JUL-2007 14:34

Client ID: Level 1

Sample Info: 0.3ml #1443-151

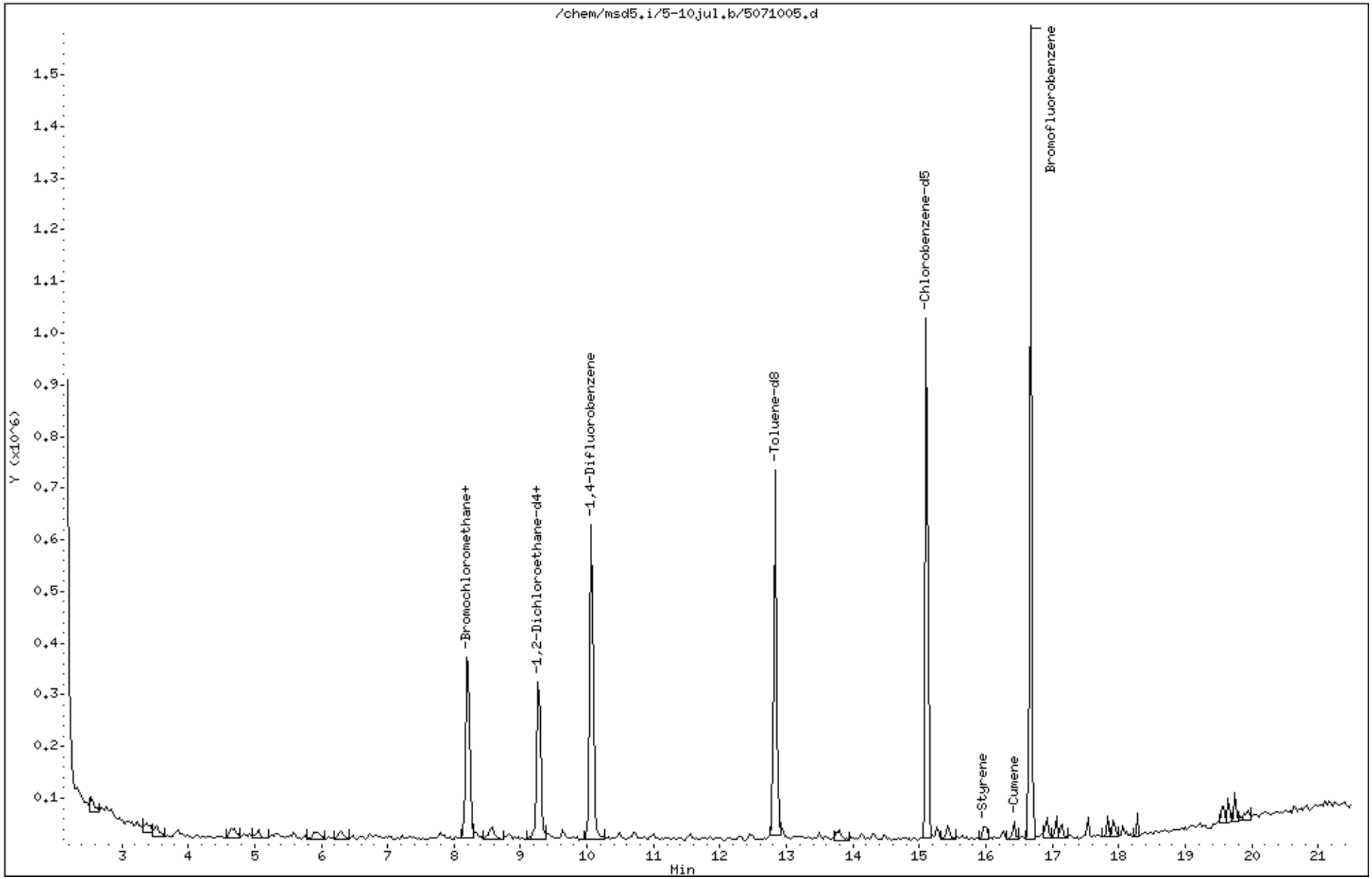
Column phase: RTx-624

Instrument: msd5.i

Operator: db

Column diameter: 0.53

0094



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071006.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 10-JUL-2007 15:02
Operator : db Inst ID: msd5.i
Smp Info : 0.5ml #1443-151
Misc Info : 200ppbv-0.5ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:09 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 15:02 Cal File: 5071006.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04Low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane					CAS #: 74-97-5			
8.214	8.214 (1.000)	130	226764	25.0000		70.00- 130.00		100.00
8.214	8.214 (1.000)	128	180985			46.71- 106.71		79.81
8.187	8.187 (1.000)	49	506713			194.03- 254.03		223.45
* 92 1,4-Difluorobenzene					CAS #: 540-36-3			
10.067	10.067 (1.000)	114	843276	25.0000		70.00- 130.00		100.00
10.067	10.067 (1.000)	88	142843			0.00- 46.61		16.94
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
15.099	15.099 (1.000)	117	696570	25.0000		70.00- 130.00		100.00
15.099	15.099 (1.000)	82	424982			0.00- 30.00		61.01
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
9.265	9.265 (1.128)	65	449043	25.0000	24.324	70.00- 130.00		100.00
9.265	9.265 (1.128)	67	190783			0.00- 30.00		42.49
$ 107 Toluene-d8					CAS #: 2037-26-5			
12.832	12.832 (1.275)	98	733377	25.0000	24.987	70.00- 130.00		100.00
12.832	12.832 (1.275)	70	81183			0.00- 30.00		11.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	439419			0.00- 30.00	59.92
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	455687	25.0000	24.029	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	687174			123.91- 183.91	150.80
16.675	16.675 (1.104)	176	452780			68.17- 128.17	99.36
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.293)	85	33938	0.50000	0.5010	70.00- 130.00	100.00
2.408	2.408 (0.293)	87	12708			0.00- 30.00	37.44
9 Freon 114					CAS #: 76-14-2		
2.546	2.546 (0.310)	135	30864	0.50000	0.5222	70.00- 130.00	100.00
2.546	2.546 (0.310)	137	9275			1.51- 61.51	30.05
13 Vinyl Chloride					CAS #: 75-01-4		
2.878	2.878 (0.350)	62	19273	0.50000	0.5353	70.00- 130.00	100.00
2.850	2.850 (0.347)	64	5946			0.00- 30.00	30.85
12 1,3-Butadiene					CAS #: 106-99-0		
2.850	2.850 (0.347)	54	18068	0.50000	0.5293	70.00- 130.00	100.00
2.850	2.850 (0.347)	39	18109			0.00- 30.00	100.23
15 Bromomethane					CAS #: 74-83-9		
3.403	3.403 (0.414)	94	9539	0.50000	0.4375	70.00- 130.00	100.00(a)
3.403	3.403 (0.414)	96	8608			64.14- 124.14	90.24
19 Chloroethane					CAS #: 75-00-3		
3.542	3.542 (0.431)	64	10786	0.50000	0.5937	70.00- 130.00	100.00
3.514	3.514 (0.428)	49	3097			0.00- 30.00	28.71
3.514	3.514 (0.428)	66	1916			0.00- 30.00	17.76
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.846	3.846 (0.468)	101	31567	0.50000	0.5382	70.00- 130.00	100.00
3.818	3.818 (0.465)	103	20719			34.84- 94.84	65.63
30 Freon 113					CAS #: 76-13-1		
4.620	4.620 (0.562)	151	14484	0.50000	0.4580	70.00- 130.00	100.00(a)
4.675	4.675 (0.569)	153	10622			33.68- 93.68	73.34
4.648	4.648 (0.566)	101	19241			94.70- 154.70	132.84
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.703	4.703 (0.573)	61	19904	0.50000	0.5074	70.00- 130.00	100.00
4.703	4.703 (0.573)	96	10959			21.33- 81.33	55.06
4.703	4.703 (0.573)	98	9131			2.11- 62.11	45.88

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.613)	76	28159	0.50000	0.4906	70.00- 130.00	100.00(a)
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.680)	49	16742	0.50000	0.5075	70.00- 130.00	100.00
5.588	5.588 (0.680)	84	9403			20.85- 80.85	56.16
5.588	5.588 (0.680)	51	6964			0.00- 30.00	41.60
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.717)	73	18701	0.50000	0.5408	70.00- 130.00	100.00
5.892	5.892 (0.717)	57	6008			2.25- 62.25	32.13
5.892	5.892 (0.717)	41	11875			0.00- 30.00	63.50
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.947 (0.724)	96	11783	0.50000	0.5686	70.00- 130.00	100.00
5.947	5.947 (0.724)	61	17495			141.19- 201.19	148.48
5.947	5.947 (0.724)	98	7344			0.00- 30.00	62.33
51 Hexane					CAS #: 110-54-3		
6.307	6.307 (0.768)	57	23849	0.50000	0.5612	70.00- 130.00	100.00
6.307	6.307 (0.768)	43	18034			0.00- 30.00	75.62
6.307	6.307 (0.768)	86	5189			0.00- 30.00	21.76
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.749	6.749 (0.822)	63	18451	0.50000	0.4969	70.00- 130.00	100.00(a)
6.721	6.721 (0.818)	65	5416			0.00- 59.97	29.35
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.950)	72	4769	0.50000	0.6326	70.00- 130.00	100.00
7.827	7.827 (0.953)	43	20362			715.89- 775.89	426.97
7.827	7.827 (0.953)	57	2116			0.00- 30.00	44.37
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.946)	61	11858	0.50000	0.4454	70.00- 130.00	100.00(a)
7.772	7.772 (0.946)	96	9781			26.40- 86.40	82.48
7.772	7.772 (0.946)	98	5040			6.40- 66.40	42.50
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (0.997)	42	24507	0.50000	0.7051	70.00- 130.00	100.00
8.187	8.187 (0.997)	71	3100			0.00- 50.92	12.65
8.214	8.214 (1.000)	72	4495			0.00- 30.00	18.34
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.013)	83	15956	0.50000	0.5046	70.00- 130.00	100.00
8.353	8.353 (1.017)	85	9811			34.70- 94.70	61.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.601	8.601 (1.047)	97	16641	0.50000	0.4620	70.00- 130.00	100.00(a)
8.601	8.601 (1.047)	99	9647			33.02- 93.02	57.97
74 Cyclohexane					CAS #: 110-82-7		
8.574	8.574 (1.044)	84	10347	0.50000	0.5143	70.00- 130.00	100.00
8.574	8.574 (1.044)	56	16631			142.16- 202.16	160.73
8.546	8.546 (1.040)	41	14436			87.22- 147.22	139.52
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.074)	119	19436	0.50000	0.5425	70.00- 130.00	100.00
8.823	8.823 (1.074)	117	18754			75.04- 135.04	96.49
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.125)	57	46836	0.50000	0.4893	70.00- 130.00	100.00(a)
9.237	9.237 (1.125)	56	15969			0.00- 30.00	34.10
9.237	9.237 (1.125)	41	13766			0.00- 30.00	29.39
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	22296	0.50000	0.5790	70.00- 130.00	100.00
9.210	9.210 (0.915)	77	7070			0.00- 30.00	31.71
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.431	9.431 (0.937)	62	14320	0.50000	0.4896	70.00- 130.00	100.00(a)
9.431	9.431 (0.937)	64	3060			0.00- 30.00	21.37
90 Heptane					CAS #: 142-82-5		
9.652	9.652 (0.959)	100	2523	0.50000	0.4775	70.00- 130.00	100.00(a)
9.652	9.652 (0.959)	43	17383			0.00- 30.00	688.98
9.652	9.652 (0.959)	71	6674			0.00- 30.00	264.53
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	10977	0.50000	0.6114	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	7668			67.78- 127.78	69.86
10.482	10.482 (1.041)	97	6725			34.90- 94.90	61.26
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	8251	0.50000	0.5790	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	5129			45.06- 105.06	62.16
11.007	11.007 (1.093)	41	10692			89.61- 149.61	129.58
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	14285	0.50000	0.5028	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	12787			31.98- 91.98	89.51
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	9748	0.50000	0.5328	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 cis-1,3-Dichloropropene (continued)							
12.445	12.445 (1.236)	77	3576			0.50- 60.50	36.68
12.445	12.445 (1.236)	39	11473			80.91- 140.91	117.70
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.749	12.749 (1.266)	58	5313	0.50000	0.4078	70.00- 130.00	100.00(a)
12.749	12.749 (1.266)	43	18496			0.00- 30.00	348.13
12.721	12.721 (1.264)	85	3704			0.00- 30.00	69.72
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	21352	0.50000	0.5514	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	9927			29.75- 89.75	46.49
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.495	13.495 (0.894)	75	11661	0.50000	0.5285	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	3843			0.39- 60.39	32.96
13.468	13.468 (0.892)	39	9134			62.40- 122.40	78.33
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.772	13.772 (0.912)	97	6334	0.50000	0.5002	70.00- 130.00	100.00
13.772	13.772 (0.912)	99	4223			30.91- 90.91	66.67
13.744	13.744 (0.910)	83	5478			49.76- 109.76	86.49
116 Tetrachloroethene					CAS #: 127-18-4		
13.827	13.827 (0.916)	166	8019	0.50000	0.4552	70.00- 130.00	100.00(a)
13.800	13.800 (0.914)	129	8006			53.81- 113.81	99.84
13.800	13.800 (0.914)	131	6111			52.52- 112.52	76.21
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	12274	0.50000	0.4705	70.00- 130.00	100.00(a)
14.297	14.297 (0.947)	127	7835			0.00- 30.00	63.83
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	10544	0.50000	0.4841	70.00- 130.00	100.00(a)
14.463	14.463 (0.958)	109	10715			67.68- 127.68	101.62
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	16228	0.50000	0.4961	70.00- 130.00	100.00(a)
15.154	15.154 (1.004)	114	8014			2.43- 62.43	49.38
15.154	15.154 (1.004)	77	20302			32.38- 92.38	125.10
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	8664	0.50000	0.4814	70.00- 130.00	100.00(a)
15.265	15.265 (1.011)	91	29296			0.00- 30.00	338.13
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	10735	0.50000	0.4742	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
15.431	15.431 (1.022)	91	26625			0.00- 30.00	248.02
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	11820	0.50000	0.5590	70.00- 130.00	100.00
15.956	15.956 (1.057)	91	23033			202.47- 262.47	194.86
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	14799	0.50000	0.4261	70.00- 130.00	100.00(a)
16.011	16.011 (1.060)	78	10795			31.18- 91.18	72.94
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	8348	0.50000	0.3680	70.00- 130.00	100.00(a)
16.260	16.260 (1.077)	171	4724			20.85- 80.85	56.59
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	14924	0.50000	0.5101	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	8869			34.27- 94.27	59.43
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	34547	0.50000	0.4460	70.00- 130.00	100.00(a)
17.062	17.062 (1.130)	120	10386			0.00- 58.00	30.06
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	27797	0.50000	0.4240	70.00- 130.00	100.00(a)
17.145	17.145 (1.135)	120	13684			0.00- 30.00	49.23
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	35150	0.50000	0.4855	70.00- 130.00	100.00(a)
17.532	17.532 (1.161)	120	11516			11.27- 71.27	32.76
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	20928	0.50000	0.4827	70.00- 130.00	100.00(a)
17.836	17.836 (1.181)	148	15863			0.00- 30.00	75.80
17.836	17.836 (1.181)	111	10440			0.00- 30.00	49.89
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	18599	0.50000	0.5178	70.00- 130.00	100.00
17.947	17.947 (1.189)	148	8411			0.00- 30.00	45.22
17.919	17.919 (1.187)	111	6518			0.00- 30.00	35.04
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	23174	0.50000	0.3908	70.00- 130.00	100.00(a)
18.058	18.058 (1.196)	126	4220			0.00- 30.00	18.21
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	20133	0.50000	0.4615	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 1,2-Dichlorobenzene (continued)							
18.279	18.279 (1.211)	148	13383			32.97- 92.97	66.47
18.279	18.279 (1.211)	111	12701			17.35- 77.35	63.09
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	34616	0.50000	0.4363	70.00- 130.00	100.00(a)
16.924	16.924 (1.121)	120	12415			0.00- 30.00	35.86
16.924	16.924 (1.121)	105	1891			0.00- 30.00	5.46
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	29327	0.50000	0.4155	70.00- 130.00	100.00(a)
16.426	16.426 (1.088)	120	9389			0.00- 30.00	32.01
16.426	16.426 (1.088)	51	8322			0.00- 30.00	28.38
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.730	10.730 (1.066)	83	8319	0.50000	0.4067	70.00- 130.00	100.00(a)
10.703	10.703 (1.063)	98	5982			0.00- 30.00	71.91
10.703	10.703 (1.063)	55	11841			0.00- 30.00	142.34

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071006.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-0.5ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	226764	-3.44
92 1,4-Difluorobenze	894476	536686	1252266	843276	-5.72
125 Chlorobenzene-d5	750815	450489	1051141	696570	-7.22

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.21	0.34
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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.

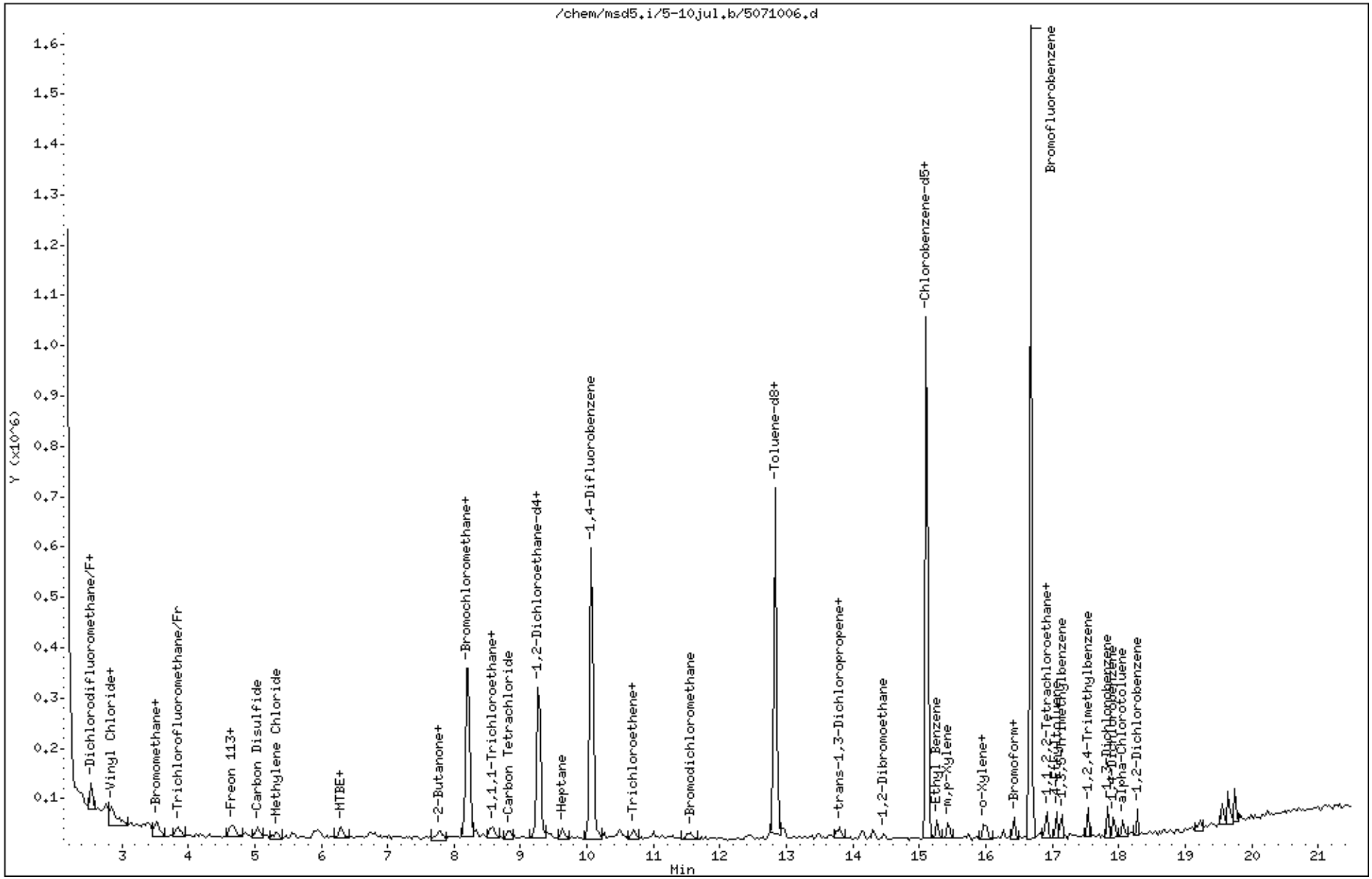
0103

Data File: /chem/msd5.i/5-10jul.b/5071006.d
Date : 10-JUL-2007 15:02
Client ID: Level 2
Sample Info: 0.5ml #1443-151

Column phase: RTx-624

Instrument: msd5.i

Operator: db
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071007.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 10-JUL-2007 15:30
Operator : db Inst ID: msd5.i
Smp Info : 2.0ml #1443-151
Misc Info : 200ppbv-2.0ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:09 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 15:30 Cal File: 5071007.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.214	8.214 (1.000)	130	217300	25.0000		70.00- 130.00	100.00
8.214	8.214 (1.000)	128	170502			46.71- 106.71	78.46
8.187	8.187 (1.000)	49	522194			194.03- 254.03	240.31
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	832528	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	142709			0.00- 46.61	17.14
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	692667	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	424088			0.00- 30.00	61.23
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.128)	65	443536	25.0000	25.072	70.00- 130.00	100.00
9.265	9.265 (1.128)	67	200276			0.00- 30.00	45.15
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	730465	25.0000	25.209	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	83763			0.00- 30.00	11.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	471053			0.00- 30.00	64.49
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	468869	25.0000	24.864	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	703609			123.91- 183.91	150.07
16.675	16.675 (1.104)	176	444817			68.17- 128.17	94.87
6 Propylene					CAS #: 115-07-1		
2.353	2.353 (0.286)	41	74766	2.00000	2.013	70.00- 130.00	100.00
2.353	2.353 (0.286)	42	53041			0.00- 30.00	70.94
2.353	2.353 (0.286)	39	68007			0.00- 30.00	90.96
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.293)	85	148327	2.00000	2.285	70.00- 130.00	100.00
2.408	2.408 (0.293)	87	46522			0.00- 30.00	31.36
9 Freon 114					CAS #: 76-14-2		
2.546	2.546 (0.310)	135	116685	2.00000	2.060	70.00- 130.00	100.00
2.546	2.546 (0.310)	137	39874			1.51- 61.51	34.17
10 Chloromethane					CAS #: 74-87-3		
2.712	2.712 (0.330)	50	79125	2.00000	1.920	70.00- 130.00	100.00(a)
2.712	2.712 (0.330)	52	28743			0.00- 30.00	36.33
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.850 (0.347)	62	71104	2.00000	2.061	70.00- 130.00	100.00
2.850	2.850 (0.347)	64	21939			0.00- 30.00	30.85
12 1,3-Butadiene					CAS #: 106-99-0		
2.850	2.850 (0.347)	54	65288	2.00000	1.996	70.00- 130.00	100.00
2.850	2.850 (0.347)	39	79004			0.00- 30.00	121.01
15 Bromomethane					CAS #: 74-83-9		
3.376	3.376 (0.411)	94	42959	2.00000	2.056	70.00- 130.00	100.00
3.376	3.376 (0.411)	96	42765			64.14- 124.14	99.55
19 Chloroethane					CAS #: 75-00-3		
3.542	3.542 (0.431)	64	38716	2.00000	2.224	70.00- 130.00	100.00
3.542	3.542 (0.431)	49	11901			0.00- 30.00	30.74
3.569	3.569 (0.435)	66	8959			0.00- 30.00	23.14
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.846	3.846 (0.468)	101	116780	2.00000	2.078	70.00- 130.00	100.00
3.846	3.846 (0.468)	103	72173			34.84- 94.84	61.80

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.205	4.205 (0.512)	45	22842	2.00000	2.040	70.00- 130.00	100.00
4.233	4.233 (0.515)	43	5189			0.00- 30.00	22.72
4.205	4.205 (0.512)	46	9346			0.00- 30.00	40.92
30 Freon 113					CAS #: 76-13-1		
4.648	4.648 (0.566)	151	64705	2.00000	2.135	70.00- 130.00	100.00
4.648	4.648 (0.566)	153	41997			33.68- 93.68	64.91
4.648	4.648 (0.566)	101	78634			94.70- 154.70	121.53
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.703	4.703 (0.573)	61	79768	2.00000	2.122	70.00- 130.00	100.00
4.703	4.703 (0.573)	96	37300			21.33- 81.33	46.76
4.703	4.703 (0.573)	98	26973			2.11- 62.11	33.81
32 Acetone					CAS #: 67-64-1		
4.869	4.869 (0.593)	58	21807	2.00000	1.815	70.00- 130.00	100.00(a)
4.841	4.841 (0.589)	43	87827			0.00- 30.00	402.75
36 2-Propanol					CAS #: 67-63-0		
5.062	5.062 (0.616)	45	105972	2.00000	2.046	70.00- 130.00	100.00
5.062	5.062 (0.616)	43	27473			0.00- 30.00	25.92
5.062	5.062 (0.616)	59	4495			0.00- 30.00	4.24
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.613)	76	109507	2.00000	1.991	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.311 (0.647)	76	17816	2.00000	1.978	70.00- 130.00	100.00(a)
5.339	5.339 (0.650)	41	75117			0.00- 30.00	421.63
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.680)	49	66247	2.00000	2.096	70.00- 130.00	100.00
5.588	5.588 (0.680)	84	30195			20.85- 80.85	45.58
5.588	5.588 (0.680)	51	19088			0.00- 30.00	28.81
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.717)	73	59976	2.00000	1.810	70.00- 130.00	100.00
5.892	5.892 (0.717)	57	17245			2.25- 62.25	28.75
5.892	5.892 (0.717)	41	26758			0.00- 30.00	44.61
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.947 (0.724)	96	38147	2.00000	1.921	70.00- 130.00	100.00
5.947	5.947 (0.724)	61	71806			141.19- 201.19	188.23
5.975	5.975 (0.727)	98	23408			0.00- 30.00	61.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.307	6.307 (0.768)	57	75111	2.00000	1.844	70.00- 130.00	100.00
6.307	6.307 (0.768)	43	62834			0.00- 30.00	83.65
6.307	6.307 (0.768)	86	10907			0.00- 30.00	14.52
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.749	6.749 (0.822)	63	74344	2.00000	2.089	70.00- 130.00	100.00
6.749	6.749 (0.822)	65	19232			0.00- 59.97	25.87
67 2-Butanone					CAS #: 78-93-3		
7.827	7.827 (0.953)	72	10810	2.00000	1.496	70.00- 130.00	100.00
7.800	7.800 (0.950)	43	100490			715.89- 775.89	929.60
7.827	7.827 (0.953)	57	6153			0.00- 30.00	56.92
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.946)	61	48865	2.00000	1.916	70.00- 130.00	100.00
7.772	7.772 (0.946)	96	32138			26.40- 86.40	65.77
7.772	7.772 (0.946)	98	19473			6.40- 66.40	39.85
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (0.997)	42	68375	2.00000	2.053	70.00- 130.00	100.00
8.214	8.214 (1.000)	71	13834			0.00- 50.92	20.23
8.187	8.187 (0.997)	72	15017			0.00- 30.00	21.96
72 Chloroform					CAS #: 67-66-3		
8.353	8.353 (1.017)	83	58031	2.00000	1.915	70.00- 130.00	100.00
8.353	8.353 (1.017)	85	39465			34.70- 94.70	68.01
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.574 (1.044)	97	72213	2.00000	2.092	70.00- 130.00	100.00
8.574	8.574 (1.044)	99	46756			33.02- 93.02	64.75
74 Cyclohexane					CAS #: 110-82-7		
8.574	8.574 (1.044)	84	36340	2.00000	1.885	70.00- 130.00	100.00
8.546	8.546 (1.040)	56	64943			142.16- 202.16	178.71
8.546	8.546 (1.040)	41	41563			87.22- 147.22	114.37
56 Vinyl Acetate					CAS #: 108-05-4		
6.832	6.832 (0.832)	86	8473	2.00000	1.856	70.00- 130.00	100.00(a)
6.804	6.804 (0.828)	43	118123			0.00- 30.00	1394.11
6.804	6.804 (0.828)	42	11178			0.00- 30.00	131.92
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.074)	119	60619	2.00000	1.766	70.00- 130.00	100.00
8.823	8.823 (1.074)	117	70044			75.04- 135.04	115.55

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.125)	57	182181	2.00000	1.986	70.00- 130.00	100.00
9.237	9.237 (1.125)	56	58524			0.00- 30.00	32.12
9.237	9.237 (1.125)	41	67676			0.00- 30.00	37.15
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	66058	2.00000	1.738	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	15812			0.00- 30.00	23.94
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.431	9.431 (0.937)	62	56115	2.00000	1.943	70.00- 130.00	100.00
9.431	9.431 (0.937)	64	19272			0.00- 30.00	34.34
90 Heptane					CAS #: 142-82-5		
9.625	9.625 (0.956)	100	12946	2.00000	2.482	70.00- 130.00	100.00
9.625	9.625 (0.956)	43	77734			0.00- 30.00	600.45
9.625	9.625 (0.956)	71	28793			0.00- 30.00	222.41
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	36542	2.00000	2.061	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	31079			67.78- 127.78	85.05
10.482	10.482 (1.041)	97	23308			34.90- 94.90	63.78
98 1,2-Dichloropropane					CAS #: 78-87-5		
11.007	11.007 (1.093)	63	26523	2.00000	1.885	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	18374			45.06- 105.06	69.28
11.007	11.007 (1.093)	41	33975			89.61- 149.61	128.10
99 1,4-Dioxane					CAS #: 123-91-1		
11.228	11.228 (1.115)	88	18949	2.00000	2.309	70.00- 130.00	100.00
11.228	11.228 (1.115)	58	20034			68.71- 128.71	105.73
11.228	11.228 (1.115)	57	8240			0.00- 30.00	43.49
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	54431	2.00000	1.940	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	32911			31.98- 91.98	60.46
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	32894	2.00000	1.821	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	13249			0.50- 60.50	40.28
12.445	12.445 (1.236)	39	33961			80.91- 140.91	103.24
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.749	12.749 (1.266)	58	26819	2.00000	2.085	70.00- 130.00	100.00
12.749	12.749 (1.266)	43	103065			0.00- 30.00	384.30
12.749	12.749 (1.266)	85	9643			0.00- 30.00	35.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	72679	2.00000	1.901	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	45118			29.75- 89.75	62.08
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	40366	2.00000	1.840	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	12449			0.39- 60.39	30.84
13.468	13.468 (0.892)	39	34872			62.40- 122.40	86.39
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.772	13.772 (0.912)	97	21849	2.00000	1.735	70.00- 130.00	100.00
13.772	13.772 (0.912)	99	15430			30.91- 90.91	70.62
13.772	13.772 (0.912)	83	20428			49.76- 109.76	93.50
116 Tetrachloroethene					CAS #: 127-18-4		
13.800	13.800 (0.914)	166	36356	2.00000	2.075	70.00- 130.00	100.00
13.800	13.800 (0.914)	129	28511			53.81- 113.81	78.42
13.800	13.800 (0.914)	131	28110			52.52- 112.52	77.32
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	30991	2.00000	1.725	70.00- 130.00	100.00(a)
14.131	14.131 (0.936)	43	85015			231.54- 291.54	274.32
14.131	14.131 (0.936)	100	5512			0.00- 30.00	17.79
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	44280	2.00000	1.707	70.00- 130.00	100.00
14.297	14.297 (0.947)	127	33007			0.00- 30.00	74.54
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	37936	2.00000	1.752	70.00- 130.00	100.00
14.463	14.463 (0.958)	109	40887			67.68- 127.68	107.78
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	62532	2.00000	1.922	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	20988			2.43- 62.43	33.56
15.154	15.154 (1.004)	77	51711			32.38- 92.38	82.70
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	34984	2.00000	1.955	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	116604			0.00- 30.00	333.31
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	45448	2.00000	2.019	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	90204			0.00- 30.00	198.48
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	38653	2.00000	1.838	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	91963			202.47- 262.47	237.92
133 Styrene					CAS #: 100-42-5		
16.012	16.012 (1.060)	104	62796	2.00000	1.818	70.00- 130.00	100.00
16.012	16.012 (1.060)	78	37987			31.18- 91.18	60.49
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	41743	2.00000	1.851	70.00- 130.00	100.00
16.260	16.260 (1.077)	171	18517			20.85- 80.85	44.36
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	60628	2.00000	2.084	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	36448			34.27- 94.27	60.12
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	161339	2.00000	2.095	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	44846			0.00- 58.00	27.80
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	133036	2.00000	2.040	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	51918			0.00- 30.00	39.03
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	138317	2.00000	1.921	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	57270			11.27- 71.27	41.40
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	94033	2.00000	2.181	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	59123			0.00- 30.00	62.87
17.836	17.836 (1.181)	111	42783			0.00- 30.00	45.50
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	71998	2.00000	2.016	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	44330			0.00- 30.00	61.57
17.919	17.919 (1.187)	111	34945			0.00- 30.00	48.54
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	104319	2.00000	1.769	70.00- 130.00	100.00
18.058	18.058 (1.196)	126	21145			0.00- 30.00	20.27
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	96267	2.00000	2.219	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	59542			32.97- 92.97	61.85
18.279	18.279 (1.211)	111	46481			17.35- 77.35	48.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	85289	2.00000	2.614	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	72353			61.02- 121.02	84.83
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	68533	2.00000	2.453	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	44975			31.22- 91.22	65.63
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	155229	2.00000	1.968	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	37471			0.00- 30.00	24.14
16.924	16.924 (1.121)	105	7032			0.00- 30.00	4.53
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	135011	2.00000	1.924	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	32518			0.00- 30.00	24.09
16.426	16.426 (1.088)	51	25012			0.00- 30.00	18.53
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	242182	2.00000	2.612	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	28110			0.00- 30.00	11.61
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.428)	43	97121	2.00000	1.994	70.00- 130.00	100.00(a)
3.514	3.514 (0.428)	57	56445			0.00- 30.00	58.12
3.514	3.514 (0.428)	72	7328			0.00- 30.00	7.55
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.337)	58	19220	2.00000	2.128	70.00- 130.00	100.00
2.767	2.767 (0.337)	43	155191			0.00- 30.00	807.45
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	38069	2.00000	1.885	70.00- 130.00	100.00
10.703	10.703 (1.063)	98	21306			0.00- 30.00	55.97
10.703	10.703 (1.063)	55	50546			0.00- 30.00	132.77

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071007.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-2.0ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	217300	-7.47
92 1,4-Difluorobenze	894476	536686	1252266	832528	-6.93
125 Chlorobenzene-d5	750815	450489	1051141	692667	-7.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.21	0.34
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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.

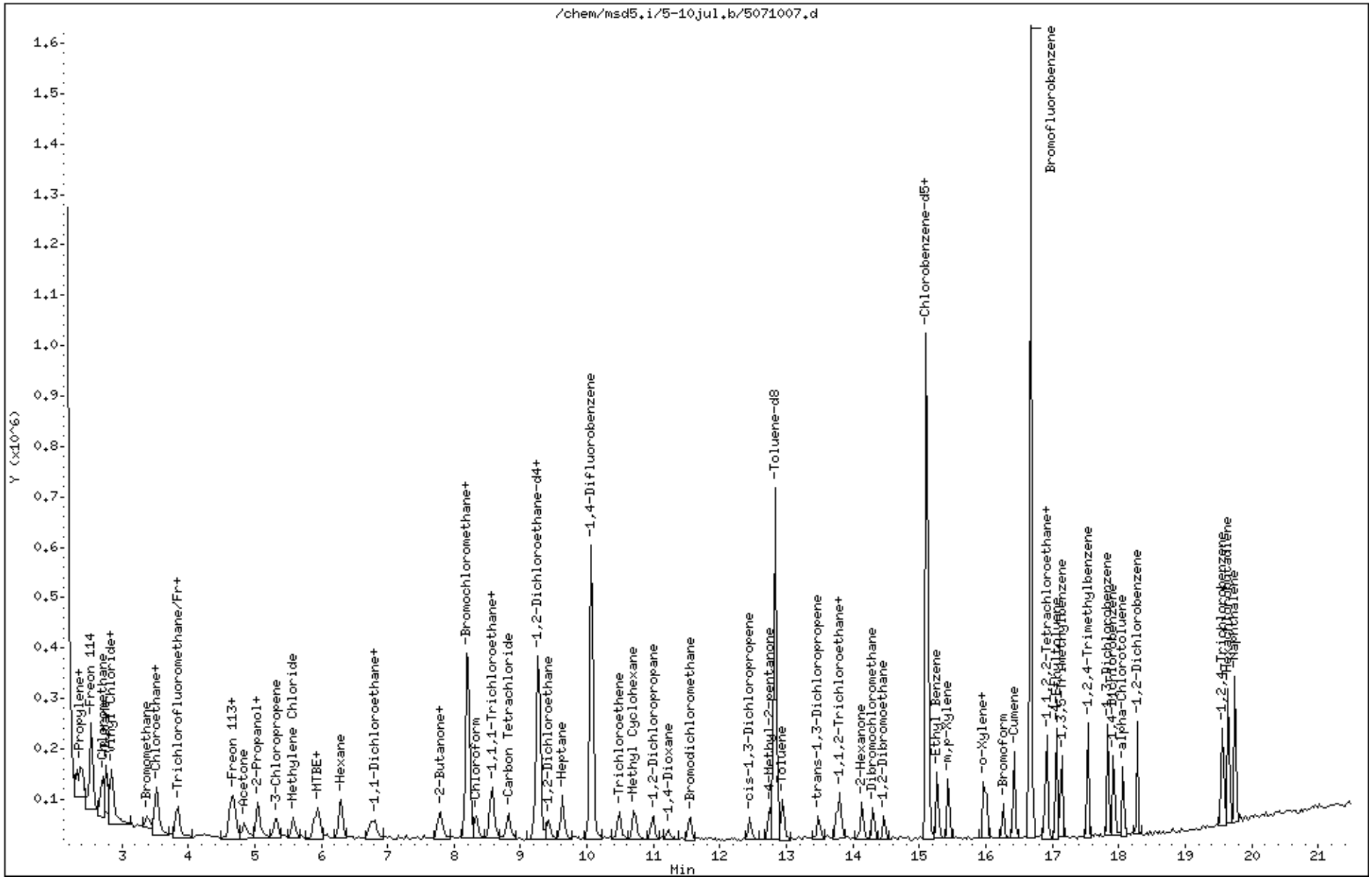
0113

Data File: /chem/msd5.i/5-10jul.b/5071007.d
Date : 10-JUL-2007 15:30
Client ID: Level 3
Sample Info: 2.0ml #1443-151

Instrument: msd5.i

Operator: db

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071008.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 10-JUL-2007 15:58
Operator : db Inst ID: msd5.i
Smp Info : 25ml #1443-151
Misc Info : 200ppbv-25ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:09 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 15:58 Cal File: 5071008.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.187	8.187 (1.000)	130	223232	25.0000		70.00- 130.00	100.00
8.187	8.187 (1.000)	128	182847			46.71- 106.71	81.91
8.187	8.187 (1.000)	49	519143			194.03- 254.03	232.56
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	865901	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	147810			0.00- 46.61	17.07
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	729173	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	445919			0.00- 30.00	61.15
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.132)	65	442502	25.0000	24.349	70.00- 130.00	100.00
9.265	9.265 (1.132)	67	211774			0.00- 30.00	47.86
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	760107	25.0000	25.221	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	92835			0.00- 30.00	12.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	509173			0.00- 30.00	66.99
$ 138 Bromofluorobenzene						CAS #: 460-00-4	
16.675	16.675 (1.104)	174	490650	25.0000	24.716	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	745834			123.91- 183.91	152.01
16.675	16.675 (1.104)	176	481274			68.17- 128.17	98.09
6 Propylene						CAS #: 115-07-1	
2.353	2.353 (0.287)	41	1107835	25.0000	29.039	70.00- 130.00	100.00
2.353	2.353 (0.287)	42	742087			0.00- 30.00	66.99
2.353	2.353 (0.287)	39	736663			0.00- 30.00	66.50
8 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
2.408	2.408 (0.294)	85	1824263	25.0000	27.355	70.00- 130.00	100.00
2.408	2.408 (0.294)	87	595175			0.00- 30.00	32.63
9 Freon 114						CAS #: 76-14-2	
2.519	2.519 (0.308)	135	1652213	25.0000	28.396	70.00- 130.00	100.00
2.519	2.519 (0.308)	137	547041			1.51- 61.51	33.11
10 Chloromethane						CAS #: 74-87-3	
2.657	2.657 (0.325)	50	1266047	25.0000	29.912	70.00- 130.00	100.00
2.657	2.657 (0.325)	52	368862			0.00- 30.00	29.13
13 Vinyl Chloride						CAS #: 75-01-4	
2.850	2.850 (0.348)	62	1008496	25.0000	28.455	70.00- 130.00	100.00
2.850	2.850 (0.348)	64	307528			0.00- 30.00	30.49
12 1,3-Butadiene						CAS #: 106-99-0	
2.823	2.823 (0.345)	54	980323	25.0000	29.173	70.00- 130.00	100.00
2.823	2.823 (0.345)	39	1100272			0.00- 30.00	112.24
15 Bromomethane						CAS #: 74-83-9	
3.376	3.376 (0.412)	94	617720	25.0000	28.778	70.00- 130.00	100.00
3.376	3.376 (0.412)	96	604297			64.14- 124.14	97.83
19 Chloroethane						CAS #: 75-00-3	
3.486	3.486 (0.426)	64	484250	25.0000	27.077	70.00- 130.00	100.00
3.486	3.486 (0.426)	49	151801			0.00- 30.00	31.35
3.486	3.486 (0.426)	66	134319			0.00- 30.00	27.74
20 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
3.818	3.818 (0.466)	101	1570004	25.0000	27.194	70.00- 130.00	100.00
3.818	3.818 (0.466)	103	1023461			34.84- 94.84	65.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.178	4.178 (0.510)	45	309743	25.0000	26.922	70.00- 130.00	100.00
4.178	4.178 (0.510)	43	66530			0.00- 30.00	21.48
4.178	4.178 (0.510)	46	136535			0.00- 30.00	44.08
30 Freon 113					CAS #: 76-13-1		
4.648	4.648 (0.568)	151	892998	25.0000	28.683	70.00- 130.00	100.00
4.648	4.648 (0.568)	153	559534			33.68- 93.68	62.66
4.648	4.648 (0.568)	101	1094634			94.70- 154.70	122.58
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.675	4.675 (0.571)	61	1058240	25.0000	27.402	70.00- 130.00	100.00
4.675	4.675 (0.571)	96	533922			21.33- 81.33	50.45
4.675	4.675 (0.571)	98	351718			2.11- 62.11	33.24
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.591)	58	336477	25.0000	27.257	70.00- 130.00	100.00
4.841	4.841 (0.591)	43	1316398			0.00- 30.00	391.23
36 2-Propanol					CAS #: 67-63-0		
5.035	5.035 (0.615)	45	1410901	25.0000	26.516	70.00- 130.00	100.00
5.035	5.035 (0.615)	43	309723			0.00- 30.00	21.95
5.035	5.035 (0.615)	59	46853			0.00- 30.00	3.32
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.615)	76	1569037	25.0000	27.768	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.311 (0.649)	76	249438	25.0000	26.958	70.00- 130.00	100.00
5.311	5.311 (0.649)	41	1142389			0.00- 30.00	457.99
43 Methylene Chloride					CAS #: 75-09-2		
5.560	5.560 (0.679)	49	897151	25.0000	27.624	70.00- 130.00	100.00
5.560	5.560 (0.679)	84	432011			20.85- 80.85	48.15
5.560	5.560 (0.679)	51	263740			0.00- 30.00	29.40
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.720)	73	1088552	25.0000	31.976	70.00- 130.00	100.00
5.892	5.892 (0.720)	57	343842			2.25- 62.25	31.59
5.892	5.892 (0.720)	41	382577			0.00- 30.00	35.15
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.947 (0.726)	96	542034	25.0000	26.570	70.00- 130.00	100.00
5.947	5.947 (0.726)	61	949850			141.19- 201.19	175.24
5.947	5.947 (0.726)	98	345727			0.00- 30.00	63.78

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
51 Hexane						CAS #: 110-54-3	
6.279	6.279 (0.767)	57	1137646	25.0000	27.196	70.00- 130.00	100.00
6.279	6.279 (0.767)	43	865934			0.00- 30.00	76.12
6.307	6.307 (0.770)	86	162374			0.00- 30.00	14.27
55 1,1-Dichloroethane						CAS #: 75-34-3	
6.721	6.721 (0.821)	63	1002420	25.0000	27.424	70.00- 130.00	100.00
6.721	6.721 (0.821)	65	281256			0.00- 59.97	28.06
67 2-Butanone						CAS #: 78-93-3	
7.800	7.800 (0.953)	72	195547	25.0000	26.350	70.00- 130.00	100.00
7.800	7.800 (0.953)	43	1422536			715.89- 775.89	727.47
7.800	7.800 (0.953)	57	90544			0.00- 30.00	46.30
66 cis-1,2-Dichloroethene						CAS #: 156-59-2	
7.772	7.772 (0.949)	61	725776	25.0000	27.694	70.00- 130.00	100.00
7.772	7.772 (0.949)	96	435988			26.40- 86.40	60.07
7.772	7.772 (0.949)	98	281243			6.40- 66.40	38.75
70 Tetrahydrofuran						CAS #: 109-99-9	
8.187	8.187 (1.000)	42	814419	25.0000	23.803	70.00- 130.00	100.00
8.187	8.187 (1.000)	71	164879			0.00- 50.92	20.24
8.187	8.187 (1.000)	72	180517			0.00- 30.00	22.17
72 Chloroform						CAS #: 67-66-3	
8.325	8.325 (1.017)	83	853414	25.0000	27.414	70.00- 130.00	100.00
8.325	8.325 (1.017)	85	531761			34.70- 94.70	62.31
75 1,1,1-Trichloroethane						CAS #: 71-55-6	
8.574	8.574 (1.047)	97	966191	25.0000	27.247	70.00- 130.00	100.00
8.574	8.574 (1.047)	99	611127			33.02- 93.02	63.25
74 Cyclohexane						CAS #: 110-82-7	
8.546	8.546 (1.044)	84	545396	25.0000	27.539	70.00- 130.00	100.00
8.546	8.546 (1.044)	56	938841			142.16- 202.16	172.14
8.546	8.546 (1.044)	41	614750			87.22- 147.22	112.72
56 Vinyl Acetate						CAS #: 108-05-4	
6.804	6.804 (0.831)	86	124808	25.0000	26.610	70.00- 130.00	100.00
6.777	6.777 (0.828)	43	1966696			0.00- 30.00	1575.78
6.804	6.804 (0.831)	42	153842			0.00- 30.00	123.26
77 Carbon Tetrachloride						CAS #: 56-23-5	
8.823	8.823 (1.078)	119	971939	25.0000	27.557	70.00- 130.00	100.00
8.823	8.823 (1.078)	117	995646			75.04- 135.04	102.44

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.128)	57	2568938	25.0000	27.262	70.00- 130.00	100.00
9.237	9.237 (1.128)	56	848037			0.00- 30.00	33.01
9.237	9.237 (1.128)	41	935219			0.00- 30.00	36.40
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	1035909	25.0000	26.200	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	248757			0.00- 30.00	24.01
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.403 (0.934)	62	824917	25.0000	27.464	70.00- 130.00	100.00
9.403	9.403 (0.934)	64	248304			0.00- 30.00	30.10
90 Heptane					CAS #: 142-82-5		
9.625	9.625 (0.956)	100	143586	25.0000	26.467	70.00- 130.00	100.00
9.625	9.625 (0.956)	43	1168363			0.00- 30.00	813.70
9.625	9.625 (0.956)	71	354626			0.00- 30.00	246.98
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	479866	25.0000	26.028	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	460818			67.78- 127.78	96.03
10.482	10.482 (1.041)	97	300657			34.90- 94.90	62.65
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	393124	25.0000	26.864	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	282371			45.06- 105.06	71.83
10.979	10.979 (1.091)	41	456097			89.61- 149.61	116.02
99 1,4-Dioxane					CAS #: 123-91-1		
11.228	11.228 (1.115)	88	203363	25.0000	23.829	70.00- 130.00	100.00
11.201	11.201 (1.113)	58	215810			68.71- 128.71	106.12
11.201	11.201 (1.113)	57	79107			0.00- 30.00	38.90
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	782427	25.0000	26.819	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	507015			31.98- 91.98	64.80
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	494755	25.0000	26.335	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	154081			0.50- 60.50	31.14
12.445	12.445 (1.236)	39	542282			80.91- 140.91	109.61
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.749	12.749 (1.266)	58	359944	25.0000	26.907	70.00- 130.00	100.00
12.721	12.721 (1.264)	43	1305075			0.00- 30.00	362.58
12.749	12.749 (1.266)	85	128449			0.00- 30.00	35.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.943	12.943 (1.286)	91	1029932	25.0000	25.903	70.00- 130.00	100.00
12.943	12.943 (1.286)	92	610831			29.75- 89.75	59.31
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	591682	25.0000	25.618	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	178962			0.39- 60.39	30.25
13.468	13.468 (0.892)	39	538998			62.40- 122.40	91.10
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.744 (0.910)	97	350473	25.0000	26.438	70.00- 130.00	100.00
13.744	13.744 (0.910)	99	220524			30.91- 90.91	62.92
13.744	13.744 (0.910)	83	280988			49.76- 109.76	80.17
116 Tetrachloroethene					CAS #: 127-18-4		
13.800	13.800 (0.914)	166	501373	25.0000	27.186	70.00- 130.00	100.00
13.800	13.800 (0.914)	129	427833			53.81- 113.81	85.33
13.800	13.800 (0.914)	131	422163			52.52- 112.52	84.20
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	495695	25.0000	26.216	70.00- 130.00	100.00
14.131	14.131 (0.936)	43	1284516			231.54- 291.54	259.13
14.131	14.131 (0.936)	100	81519			0.00- 30.00	16.45
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	758318	25.0000	27.772	70.00- 130.00	100.00
14.297	14.297 (0.947)	127	585411			0.00- 30.00	77.20
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	620006	25.0000	27.193	70.00- 130.00	100.00
14.463	14.463 (0.958)	109	581394			67.68- 127.68	93.77
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	917344	25.0000	26.791	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	290673			2.43- 62.43	31.69
15.154	15.154 (1.004)	77	584858			32.38- 92.38	63.76
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	499813	25.0000	26.531	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	1652644			0.00- 30.00	330.65
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	626920	25.0000	26.456	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	1371485			0.00- 30.00	218.77
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	562112	25.0000	25.397	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	1324351			202.47- 262.47	235.60
133 Styrene					CAS #: 100-42-5		
16.012	16.012 (1.060)	104	943056	25.0000	25.938	70.00- 130.00	100.00
16.012	16.012 (1.060)	78	558953			31.18- 91.18	59.27
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	656138	25.0000	27.634	70.00- 130.00	100.00
16.260	16.260 (1.077)	171	347777			20.85- 80.85	53.00
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	796784	25.0000	26.016	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	522945			34.27- 94.27	65.63
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	2180788	25.0000	26.898	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	614037			0.00- 58.00	28.16
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	1790535	25.0000	26.089	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	798902			0.00- 30.00	44.62
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	2079143	25.0000	27.434	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	859843			11.27- 71.27	41.36
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	1171142	25.0000	25.806	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	742641			0.00- 30.00	63.41
17.836	17.836 (1.181)	111	568375			0.00- 30.00	48.53
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	965271	25.0000	25.674	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	599716			0.00- 30.00	62.13
17.919	17.919 (1.187)	111	457687			0.00- 30.00	47.42
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	1605117	25.0000	25.861	70.00- 130.00	100.00
18.058	18.058 (1.196)	126	282502			0.00- 30.00	17.60
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	1197592	25.0000	26.225	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	738021			32.97- 92.97	61.63
18.279	18.279 (1.211)	111	562120			17.35- 77.35	46.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	767914	25.0000	22.357	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	757836			61.02- 121.02	98.69
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	722430	25.0000	24.561	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	459184			31.22- 91.22	63.56
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	2295039	25.0000	27.634	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	520493			0.00- 30.00	22.68
16.924	16.924 (1.121)	105	87661			0.00- 30.00	3.82
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	1932484	25.0000	26.155	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	491618			0.00- 30.00	25.44
16.426	16.426 (1.088)	51	334837			0.00- 30.00	17.33
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	2291614	25.0000	23.478	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	290222			0.00- 30.00	12.66
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.429)	43	1417801	25.0000	28.340	70.00- 130.00	100.00
3.514	3.514 (0.429)	57	826651			0.00- 30.00	58.31
3.514	3.514 (0.429)	72	71534			0.00- 30.00	5.05
11 Butane					CAS #: 106-97-8		
2.740	2.740 (0.335)	58	263434	25.0000	28.389	70.00- 130.00	100.00
2.740	2.740 (0.335)	43	2165106			0.00- 30.00	821.88
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	587375	25.0000	27.967	70.00- 130.00	100.00
10.703	10.703 (1.063)	98	288878			0.00- 30.00	49.18
10.703	10.703 (1.063)	55	783822			0.00- 30.00	133.44

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071008.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-25ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	223232	-4.94
92 1,4-Difluorobenze	894476	536686	1252266	865901	-3.19
125 Chlorobenzene-d5	750815	450489	1051141	729173	-2.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.19	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	0.00

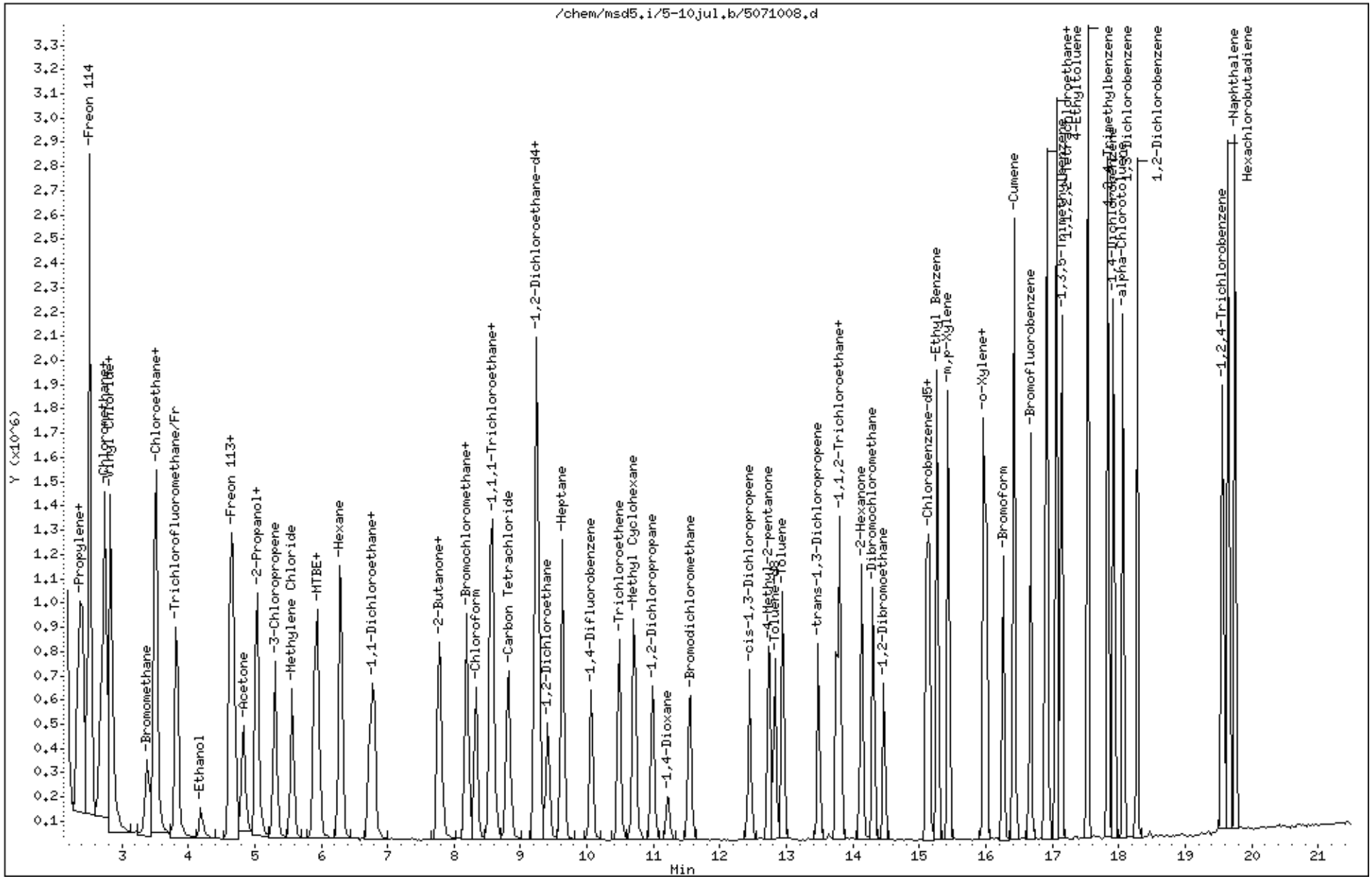
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0123

Data File: /chem/msd5.i/5-10jul.b/5071008.d
Date : 10-JUL-2007 15:58
Client ID: Level 4
Sample Info: 25ml #1443-151

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071009.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 10-JUL-2007 16:27
Operator : db Inst ID: msd5.i
Smp Info : 50ml #1443-151
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:09 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 16:27 Cal File: 5071009.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.187	8.187 (1.000)	130	234839	25.0000		70.00- 130.00	100.00
8.187	8.187 (1.000)	128	180147			46.71- 106.71	76.71
8.187	8.187 (1.000)	49	526105			194.03- 254.03	224.03
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	894476	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	148531			0.00- 46.61	16.61
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	750815	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	453227			0.00- 30.00	60.36
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.132)	65	479307	25.0000	25.070	70.00- 130.00	100.00
9.265	9.265 (1.132)	67	247157			0.00- 30.00	51.57
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	772643	25.0000	24.818	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	93805			0.00- 30.00	12.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	525952			0.00- 30.00	68.07
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	503206	25.0000	24.618	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	774462			123.91- 183.91	153.91
16.675	16.675 (1.104)	176	493988			68.17- 128.17	98.17
6 Propylene					CAS #: 115-07-1		
2.353	2.353 (0.287)	41	2075994	50.0000	51.727	70.00- 130.00	100.00
2.353	2.353 (0.287)	42	1382662			0.00- 30.00	66.60
2.353	2.353 (0.287)	39	1417429			0.00- 30.00	68.28
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.294)	85	3493931	50.0000	49.803	70.00- 130.00	100.00
2.408	2.408 (0.294)	87	1132111			0.00- 30.00	32.40
9 Freon 114					CAS #: 76-14-2		
2.518	2.518 (0.308)	135	3132657	50.0000	51.180	70.00- 130.00	100.00
2.518	2.518 (0.308)	137	987219			1.51- 61.51	31.51
10 Chloromethane					CAS #: 74-87-3		
2.684	2.684 (0.328)	50	2350564	50.0000	52.790	70.00- 130.00	100.00
2.684	2.684 (0.328)	52	695943			0.00- 30.00	29.61
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.850 (0.348)	62	1891619	50.0000	50.735	70.00- 130.00	100.00
2.850	2.850 (0.348)	64	585945			0.00- 30.00	30.98
12 1,3-Butadiene					CAS #: 106-99-0		
2.823	2.823 (0.345)	54	1782940	50.0000	50.435	70.00- 130.00	100.00
2.823	2.823 (0.345)	39	1937015			0.00- 30.00	108.64
15 Bromomethane					CAS #: 74-83-9		
3.376	3.376 (0.412)	94	1186733	50.0000	52.554	70.00- 130.00	100.00
3.376	3.376 (0.412)	96	1117246			64.14- 124.14	94.14
19 Chloroethane					CAS #: 75-00-3		
3.486	3.486 (0.426)	64	907019	50.0000	48.210	70.00- 130.00	100.00
3.514	3.514 (0.429)	49	280930			0.00- 30.00	30.97
3.514	3.514 (0.429)	66	244476			0.00- 30.00	26.95
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.818	3.818 (0.466)	101	3024861	50.0000	49.803	70.00- 130.00	100.00
3.818	3.818 (0.466)	103	1961248			34.84- 94.84	64.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.205	4.205 (0.514)	45	614002	50.0000	50.730	70.00- 130.00	100.00
4.205	4.205 (0.514)	43	128705			0.00- 30.00	20.96
4.205	4.205 (0.514)	46	266515			0.00- 30.00	43.41
30 Freon 113					CAS #: 76-13-1		
4.647	4.647 (0.568)	151	1673006	50.0000	51.081	70.00- 130.00	100.00
4.647	4.647 (0.568)	153	1065407			33.68- 93.68	63.68
4.647	4.647 (0.568)	101	2086288			94.70- 154.70	124.70
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.675	4.675 (0.571)	61	2007552	50.0000	49.414	70.00- 130.00	100.00
4.675	4.675 (0.571)	96	1030455			21.33- 81.33	51.33
4.675	4.675 (0.571)	98	644718			2.11- 62.11	32.11
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.591)	58	664092	50.0000	51.137	70.00- 130.00	100.00
4.841	4.841 (0.591)	43	2554652			0.00- 30.00	384.68
36 2-Propanol					CAS #: 67-63-0		
5.035	5.035 (0.615)	45	2795284	50.0000	49.936	70.00- 130.00	100.00
5.035	5.035 (0.615)	43	618296			0.00- 30.00	22.12
5.035	5.035 (0.615)	59	87772			0.00- 30.00	3.14
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.615)	76	3059290	50.0000	51.466	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.311 (0.649)	76	503051	50.0000	51.681	70.00- 130.00	100.00
5.311	5.311 (0.649)	41	2246439			0.00- 30.00	446.56
43 Methylene Chloride					CAS #: 75-09-2		
5.560	5.560 (0.679)	49	1684220	50.0000	49.296	70.00- 130.00	100.00
5.560	5.560 (0.679)	84	856435			20.85- 80.85	50.85
5.560	5.560 (0.679)	51	509746			0.00- 30.00	30.27
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.720)	73	1962799	50.0000	54.808	70.00- 130.00	100.00
5.892	5.892 (0.720)	57	632974			2.25- 62.25	32.25
5.892	5.892 (0.720)	41	704308			0.00- 30.00	35.88
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.947 (0.726)	96	1068446	50.0000	49.786	70.00- 130.00	100.00
5.947	5.947 (0.726)	61	1829123			141.19- 201.19	171.19
5.947	5.947 (0.726)	98	676293			0.00- 30.00	63.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.279	6.279 (0.767)	57	2202275	50.0000	50.044	70.00- 130.00	100.00
6.279	6.279 (0.767)	43	1708985			0.00- 30.00	77.60
6.306	6.306 (0.770)	86	306823			0.00- 30.00	13.93
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.721	6.721 (0.821)	63	1921863	50.0000	49.979	70.00- 130.00	100.00
6.721	6.721 (0.821)	65	575903			0.00- 59.97	29.97
67 2-Butanone					CAS #: 78-93-3		
7.799	7.799 (0.953)	72	379073	50.0000	48.555	70.00- 130.00	100.00
7.799	7.799 (0.953)	43	2827462			715.89- 775.89	745.89
7.799	7.799 (0.953)	57	181407			0.00- 30.00	47.86
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.949)	61	1471618	50.0000	53.379	70.00- 130.00	100.00
7.772	7.772 (0.949)	96	829931			26.40- 86.40	56.40
7.772	7.772 (0.949)	98	535601			6.40- 66.40	36.40
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (1.000)	42	1622629	50.0000	45.080	70.00- 130.00	100.00
8.187	8.187 (1.000)	71	339419			0.00- 50.92	20.92
8.187	8.187 (1.000)	72	359384			0.00- 30.00	22.15
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.017)	83	1649686	50.0000	50.373	70.00- 130.00	100.00
8.325	8.325 (1.017)	85	1067347			34.70- 94.70	64.70
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.574 (1.047)	97	1913436	50.0000	51.293	70.00- 130.00	100.00
8.574	8.574 (1.047)	99	1205871			33.02- 93.02	63.02
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.546 (1.044)	84	1058727	50.0000	50.817	70.00- 130.00	100.00
8.546	8.546 (1.044)	56	1822706			142.16- 202.16	172.16
8.546	8.546 (1.044)	41	1241028			87.22- 147.22	117.22
56 Vinyl Acetate					CAS #: 108-05-4		
6.804	6.804 (0.831)	86	246872	50.0000	50.034	70.00- 130.00	100.00
6.776	6.776 (0.828)	43	3963506			0.00- 30.00	1605.49
6.776	6.776 (0.828)	42	319596			0.00- 30.00	129.46
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.822	8.822 (1.078)	119	1894259	50.0000	51.053	70.00- 130.00	100.00
8.822	8.822 (1.078)	117	1989791			75.04- 135.04	105.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.128)	57	5058262	50.0000	51.026	70.00- 130.00	100.00
9.237	9.237 (1.128)	56	1649975			0.00- 30.00	32.62
9.237	9.237 (1.128)	41	1813396			0.00- 30.00	35.85
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	2070422	50.0000	50.692	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	488776			0.00- 30.00	23.61
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.403 (0.934)	62	1626768	50.0000	52.431	70.00- 130.00	100.00
9.403	9.403 (0.934)	64	499214			0.00- 30.00	30.69
90 Heptane					CAS #: 142-82-5		
9.624	9.624 (0.956)	100	273434	50.0000	48.792	70.00- 130.00	100.00
9.624	9.624 (0.956)	43	2366945			0.00- 30.00	865.64
9.624	9.624 (0.956)	71	699216			0.00- 30.00	255.72
93 Trichloroethene					CAS #: 79-01-6		
10.481	10.481 (1.041)	95	907220	50.0000	47.636	70.00- 130.00	100.00
10.481	10.481 (1.041)	130	887078			67.78- 127.78	97.78
10.481	10.481 (1.041)	97	588759			34.90- 94.90	64.90
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	748654	50.0000	49.525	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	561909			45.06- 105.06	75.06
10.979	10.979 (1.091)	41	895468			89.61- 149.61	119.61
99 1,4-Dioxane					CAS #: 123-91-1		
11.200	11.200 (1.113)	88	444546	50.0000	50.426	70.00- 130.00	100.00
11.200	11.200 (1.113)	58	438819			68.71- 128.71	98.71
11.200	11.200 (1.113)	57	151725			0.00- 30.00	34.13
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	1561639	50.0000	51.817	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	967903			31.98- 91.98	61.98
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	997712	50.0000	51.410	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	304255			0.50- 60.50	30.50
12.445	12.445 (1.236)	39	1106556			80.91- 140.91	110.91
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.749	12.749 (1.266)	58	729957	50.0000	52.824	70.00- 130.00	100.00
12.721	12.721 (1.264)	43	2614478			0.00- 30.00	358.17
12.749	12.749 (1.266)	85	262286			0.00- 30.00	35.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	2073303	50.0000	50.478	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	1238864			29.75- 89.75	59.75
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	1179882	50.0000	49.613	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	358571			0.39- 60.39	30.39
13.468	13.468 (0.892)	39	1090188			62.40- 122.40	92.40
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.744 (0.910)	97	733706	50.0000	53.751	70.00- 130.00	100.00
13.744	13.744 (0.910)	99	446871			30.91- 90.91	60.91
13.744	13.744 (0.910)	83	585200			49.76- 109.76	79.76
116 Tetrachloroethene					CAS #: 127-18-4		
13.799	13.799 (0.914)	166	977995	50.0000	51.501	70.00- 130.00	100.00
13.799	13.799 (0.914)	129	819670			53.81- 113.81	83.81
13.799	13.799 (0.914)	131	807003			52.52- 112.52	82.52
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	998377	50.0000	51.280	70.00- 130.00	100.00
14.131	14.131 (0.936)	43	2611183			231.54- 291.54	261.54
14.131	14.131 (0.936)	100	158802			0.00- 30.00	15.91
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	1469613	50.0000	52.270	70.00- 130.00	100.00
14.297	14.297 (0.947)	127	1140851			0.00- 30.00	77.63
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	1226226	50.0000	52.231	70.00- 130.00	100.00
14.463	14.463 (0.958)	109	1197793			67.68- 127.68	97.68
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	1801610	50.0000	51.100	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	584352			2.43- 62.43	32.43
15.154	15.154 (1.004)	77	1123801			32.38- 92.38	62.38
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	997416	50.0000	51.418	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	3275715			0.00- 30.00	328.42
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	1255932	50.0000	51.473	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	2780629			0.00- 30.00	221.40
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	1145245	50.0000	50.253	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	2662361			202.47- 262.47	232.47
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	1904395	50.0000	50.870	70.00- 130.00	100.00
16.011	16.011 (1.060)	78	1165177			31.18- 91.18	61.18
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	1342862	50.0000	54.925	70.00- 130.00	100.00
16.260	16.260 (1.077)	171	682869			20.85- 80.85	50.85
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	1574427	50.0000	49.925	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	1011841			34.27- 94.27	64.27
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	4450746	50.0000	53.314	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	1246272			0.00- 58.00	28.00
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	3775786	50.0000	53.430	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	1655963			0.00- 30.00	43.86
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	4089447	50.0000	52.404	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	1687698			11.27- 71.27	41.27
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	2402394	50.0000	51.410	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	1484328			0.00- 30.00	61.79
17.836	17.836 (1.181)	111	1104258			0.00- 30.00	45.96
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	1942731	50.0000	50.182	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	1228705			0.00- 30.00	63.25
17.919	17.919 (1.187)	111	946609			0.00- 30.00	48.73
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.057	18.057 (1.196)	91	3498242	50.0000	54.738	70.00- 130.00	100.00
18.057	18.057 (1.196)	126	593512			0.00- 30.00	16.97
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	2404727	50.0000	51.141	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	1514323			32.97- 92.97	62.97
18.279	18.279 (1.211)	111	1138676			17.35- 77.35	47.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	1751688	50.0000	49.529	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	1594413			61.02- 121.02	91.02
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	1493146	50.0000	49.301	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	914122			31.22- 91.22	61.22
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	4615020	50.0000	53.967	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	1012647			0.00- 30.00	21.94
16.924	16.924 (1.121)	105	188031			0.00- 30.00	4.07
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	3943383	50.0000	51.834	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	1029995			0.00- 30.00	26.12
16.426	16.426 (1.088)	51	638856			0.00- 30.00	16.20
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	4907073	50.0000	48.825	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	620331			0.00- 30.00	12.64
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.429)	43	2699812	50.0000	51.299	70.00- 130.00	100.00
3.514	3.514 (0.429)	57	1581439			0.00- 30.00	58.58
3.514	3.514 (0.429)	72	145130			0.00- 30.00	5.38
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.338)	58	507622	50.0000	51.999	70.00- 130.00	100.00
2.767	2.767 (0.338)	43	4046093			0.00- 30.00	797.07
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	1179942	50.0000	54.387	70.00- 130.00	100.00
10.703	10.703 (1.063)	98	593887			0.00- 30.00	50.33
10.703	10.703 (1.063)	55	1508633			0.00- 30.00	127.86

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071009.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	234839	0.00
92 1,4-Difluorobenze	894476	536686	1252266	894476	0.00
125 Chlorobenzene-d5	750815	450489	1051141	750815	0.00

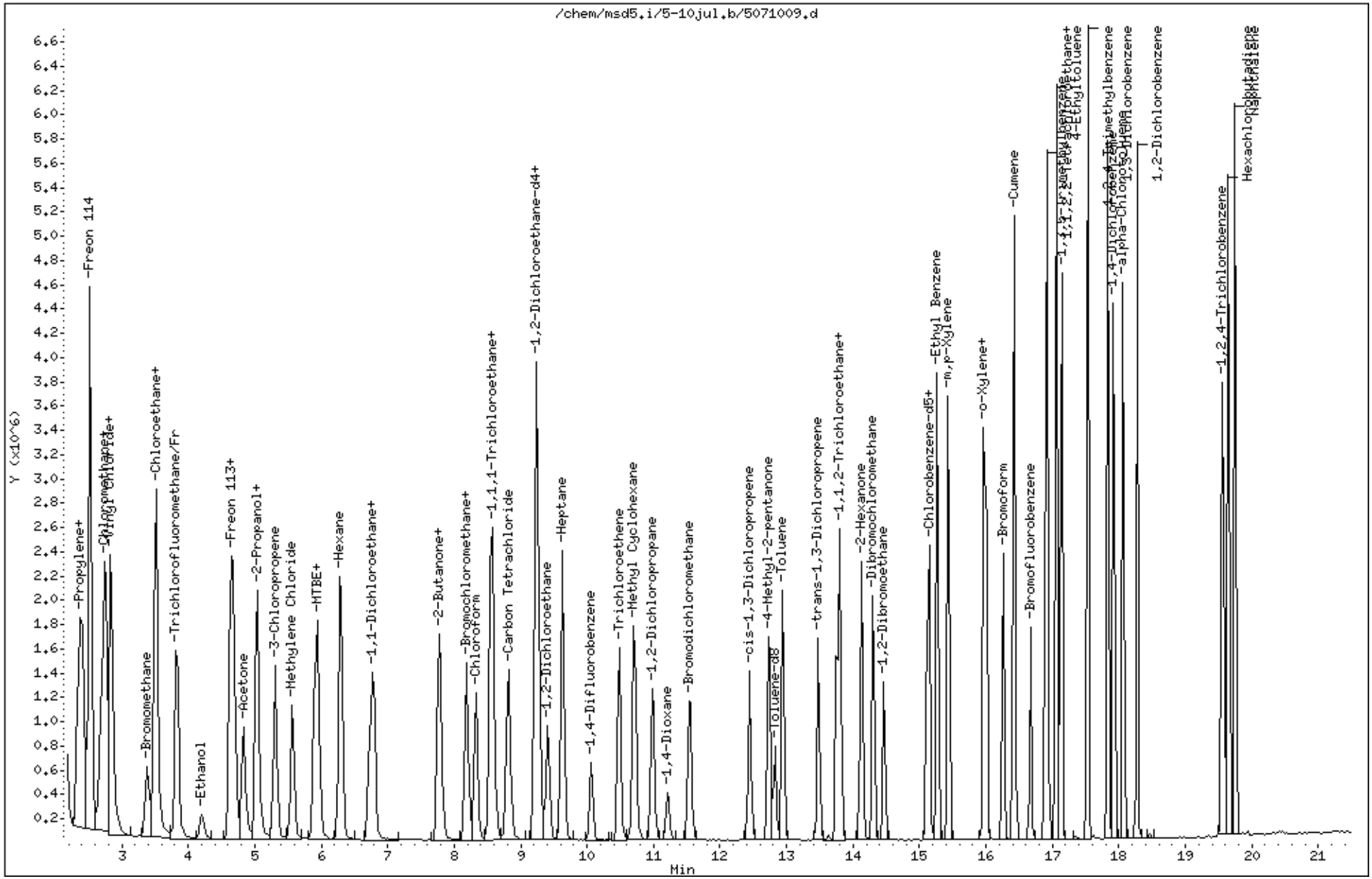
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.19	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	0.00

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

Data File: /chem/msd5.i/5-10jul.b/5071009.d
Date : 10-JUL-2007 16:27
Client ID: Level 5
Sample Info: 50ml #1443-151

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071010.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 10-JUL-2007 16:55
Operator : db Inst ID: msd5.i
Smp Info : 100ml #1443-151
Misc Info : 200ppbv-100ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:10 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 16:55 Cal File: 5071010.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.187	8.187 (1.000)	130	242637	25.0000		70.00- 130.00	100.00
8.187	8.187 (1.000)	128	197787			51.52- 111.52	81.52
8.187	8.187 (1.000)	49	578085			208.25- 268.25	238.25
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	960483	25.0000		70.00- 130.00	100.00
10.067	10.067 (1.000)	88	159720			0.00- 46.63	16.63
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	767869	25.0000		70.00- 130.00	100.00
15.099	15.099 (1.000)	82	465094			30.57- 90.57	60.57
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.132)	65	495047	25.0000	25.062	70.00- 130.00	100.00
9.265	9.265 (1.132)	67	288001			28.18- 88.18	58.18
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	826407	25.0000	24.721	70.00- 130.00	100.00
12.832	12.832 (1.275)	70	97147			0.00- 41.76	11.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	587206			41.06- 101.06	71.06
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	534123	25.0000	25.550	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	801033			119.97- 179.97	149.97
16.675	16.675 (1.104)	176	520230			67.40- 127.40	97.40
6 Propylene					CAS #: 115-07-1		
2.353	2.353 (0.287)	41	3939469	100.000	95.004	70.00- 130.00	100.00
2.353	2.353 (0.287)	42	2615324			36.39- 96.39	66.39
2.353	2.353 (0.287)	39	2686687			38.20- 98.20	68.20
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.294)	85	6385714	100.000	88.097	70.00- 130.00	100.00
2.408	2.408 (0.294)	87	2094535			2.80- 62.80	32.80
9 Freon 114					CAS #: 76-14-2		
2.546	2.546 (0.311)	135	5925534	100.000	93.697	70.00- 130.00	100.00
2.546	2.546 (0.311)	137	1874764			1.64- 61.64	31.64
10 Chloromethane					CAS #: 74-87-3		
2.684	2.684 (0.328)	50	4468005	100.000	97.119	70.00- 130.00	100.00
2.684	2.684 (0.328)	52	1322161			0.00- 59.59	29.59
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.850 (0.348)	62	3521484	100.000	91.414	70.00- 130.00	100.00
2.850	2.850 (0.348)	64	1089468			0.94- 60.94	30.94
12 1,3-Butadiene					CAS #: 106-99-0		
2.850	2.850 (0.348)	54	3403367	100.000	93.179	70.00- 130.00	100.00
2.850	2.850 (0.348)	39	3713951			79.13- 139.13	109.13
15 Bromomethane					CAS #: 74-83-9		
3.376	3.376 (0.412)	94	2357633	100.000	101.05	70.00- 130.00	100.00
3.376	3.376 (0.412)	96	2163953			61.78- 121.78	91.78
19 Chloroethane					CAS #: 75-00-3		
3.514	3.514 (0.429)	64	1655481	100.000	85.164	70.00- 130.00	100.00
3.514	3.514 (0.429)	49	517052			1.23- 61.23	31.23
3.514	3.514 (0.429)	66	488431			0.00- 59.50	29.50
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.846	3.846 (0.470)	101	5843699	100.000	93.122	70.00- 130.00	100.00
3.846	3.846 (0.470)	103	3757415			34.30- 94.30	64.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.233	4.233 (0.517)	45	1198312	100.000	95.825	70.00- 130.00	100.00
4.233	4.233 (0.517)	43	247189			0.00- 50.63	20.63
4.233	4.233 (0.517)	46	513789			12.88- 72.88	42.88
30 Freon 113					CAS #: 76-13-1		
4.647	4.647 (0.568)	151	3214036	100.000	94.978	70.00- 130.00	100.00
4.647	4.647 (0.568)	153	2024788			33.00- 93.00	63.00
4.647	4.647 (0.568)	101	4068029			96.57- 156.57	126.57
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.675	4.675 (0.571)	61	3984726	100.000	94.928	70.00- 130.00	100.00
4.703	4.703 (0.574)	96	2054864			21.57- 81.57	51.57
4.703	4.703 (0.574)	98	1292109			2.43- 62.43	32.43
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.591)	58	1358043	100.000	101.21	70.00- 130.00	100.00
4.841	4.841 (0.591)	43	5105378			345.94- 405.94	375.94
36 2-Propanol					CAS #: 67-63-0		
5.035	5.035 (0.615)	45	5642990	100.000	97.570	70.00- 130.00	100.00
5.035	5.035 (0.615)	43	1199135			0.00- 51.25	21.25
5.035	5.035 (0.615)	59	183687			0.00- 33.26	3.26
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.615)	76	5939508	100.000	96.709	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.311 (0.649)	76	972129	100.000	96.662	70.00- 130.00	100.00
5.311	5.311 (0.649)	41	4455168			428.29- 488.29	458.29
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.683)	49	3372192	100.000	95.529	70.00- 130.00	100.00
5.588	5.588 (0.683)	84	1655720			19.10- 79.10	49.10
5.588	5.588 (0.683)	51	998859			0.00- 59.62	29.62
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.720)	73	3357709	100.000	90.745	70.00- 130.00	100.00
5.892	5.892 (0.720)	57	1064850			1.71- 61.71	31.71
5.892	5.892 (0.720)	41	1202793			5.82- 65.82	35.82
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.947 (0.726)	96	2104421	100.000	94.907	70.00- 130.00	100.00
5.947	5.947 (0.726)	61	3736562			147.56- 207.56	177.56
5.947	5.947 (0.726)	98	1349076			34.11- 94.11	64.11

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
51 Hexane					CAS #: 110-54-3		
6.279	6.279 (0.767)	57	4363157	100.000	95.960	70.00- 130.00	100.00
6.279	6.279 (0.767)	43	3403079			48.00- 108.00	78.00
6.306	6.306 (0.770)	86	589106			0.00- 43.50	13.50
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.721	6.721 (0.821)	63	3795454	100.000	95.530	70.00- 130.00	100.00
6.721	6.721 (0.821)	65	1141704			0.08- 60.08	30.08
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.953)	72	791538	100.000	98.129	70.00- 130.00	100.00
7.800	7.800 (0.953)	43	5787735			701.20- 761.20	731.20
7.800	7.800 (0.953)	57	379458			17.94- 77.94	47.94
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.949)	61	2897916	100.000	101.74	70.00- 130.00	100.00
7.772	7.772 (0.949)	96	1700823			28.69- 88.69	58.69
7.772	7.772 (0.949)	98	1079051			7.24- 67.24	37.24
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (1.000)	42	3287184	100.000	88.391	70.00- 130.00	100.00
8.187	8.187 (1.000)	71	688879			0.00- 50.96	20.96
8.187	8.187 (1.000)	72	742077			0.00- 52.57	22.57
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.017)	83	3281821	100.000	96.989	70.00- 130.00	100.00
8.325	8.325 (1.017)	85	2115737			34.47- 94.47	64.47
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.574 (1.047)	97	3809979	100.000	98.851	70.00- 130.00	100.00
8.574	8.574 (1.047)	99	2450058			34.31- 94.31	64.31
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.546 (1.044)	84	2138276	100.000	99.336	70.00- 130.00	100.00
8.546	8.546 (1.044)	56	3628657			139.70- 199.70	169.70
8.546	8.546 (1.044)	41	2411760			82.79- 142.79	112.79
56 Vinyl Acetate					CAS #: 108-05-4		
6.804	6.804 (0.831)	86	525247	100.000	103.03	70.00- 130.00	100.00
6.776	6.776 (0.828)	43	8130324			1517.90-1577.90	1547.90
6.776	6.776 (0.828)	42	656822			95.05- 155.05	125.05
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.078)	119	3777437	100.000	98.535	70.00- 130.00	100.00
8.823	8.823 (1.078)	117	3918427			73.73- 133.73	103.73

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.128)	57	10153022	100.000	99.128	70.00- 130.00	100.00
9.237	9.237 (1.128)	56	3364182			3.13- 63.13	33.13
9.237	9.237 (1.128)	41	3621740			5.67- 65.67	35.67
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	4112395	100.000	93.768	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	971628			0.00- 53.63	23.63
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.403 (0.934)	62	3225022	100.000	96.799	70.00- 130.00	100.00
9.403	9.403 (0.934)	64	969363			0.06- 60.06	30.06
90 Heptane					CAS #: 142-82-5		
9.624	9.624 (0.956)	100	538715	100.000	89.524	70.00- 130.00	100.00
9.624	9.624 (0.956)	43	4677842			838.33- 898.33	868.33
9.624	9.624 (0.956)	71	1459473			240.92- 300.92	270.92
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	1828845	100.000	89.428	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	1806758			68.79- 128.79	98.79
10.482	10.482 (1.041)	97	1166416			33.78- 93.78	63.78
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	1487737	100.000	91.653	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	1095369			43.63- 103.63	73.63
10.979	10.979 (1.091)	41	1738340			86.84- 146.84	116.84
99 1,4-Dioxane					CAS #: 123-91-1		
11.200	11.200 (1.113)	88	897956	100.000	94.857	70.00- 130.00	100.00
11.200	11.200 (1.113)	58	858653			65.62- 125.62	95.62
11.200	11.200 (1.113)	57	314237			4.99- 64.99	34.99
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	3135287	100.000	96.884	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	2008179			34.05- 94.05	64.05
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	2037376	100.000	97.768	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	646255			1.72- 61.72	31.72
12.445	12.445 (1.236)	39	2187431			77.37- 137.37	107.37
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.721	12.721 (1.264)	58	1488836	100.000	100.34	70.00- 130.00	100.00
12.721	12.721 (1.264)	43	5271092			324.04- 384.04	354.04
12.749	12.749 (1.266)	85	534626			5.91- 65.91	35.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	4206470	100.000	95.375	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	2496619			29.35- 89.35	59.35
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	2467699	100.000	101.46	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	774077			1.37- 61.37	31.37
13.468	13.468 (0.892)	39	2210214			59.57- 119.57	89.57
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.744 (0.910)	97	1419432	100.000	101.68	70.00- 130.00	100.00
13.744	13.744 (0.910)	99	868294			31.17- 91.17	61.17
13.744	13.744 (0.910)	83	1132639			49.80- 109.80	79.80
116 Tetrachloroethene					CAS #: 127-18-4		
13.799	13.799 (0.914)	166	1923066	100.000	99.019	70.00- 130.00	100.00
13.799	13.799 (0.914)	129	1630705			54.80- 114.80	84.80
13.799	13.799 (0.914)	131	1609206			53.68- 113.68	83.68
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	2053053	100.000	103.11	70.00- 130.00	100.00
14.131	14.131 (0.936)	43	5382998			232.19- 292.19	262.19
14.131	14.131 (0.936)	100	374983			0.00- 48.26	18.26
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	2970169	100.000	103.29	70.00- 130.00	100.00
14.297	14.297 (0.947)	127	2304488			47.59- 107.59	77.59
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	2444538	100.000	101.81	70.00- 130.00	100.00
14.463	14.463 (0.958)	109	2339248			65.69- 125.69	95.69
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	3569262	100.000	98.989	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	1154274			2.34- 62.34	32.34
15.154	15.154 (1.004)	77	2278337			33.83- 93.83	63.83
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	2013750	100.000	101.51	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	6589830			297.24- 357.24	327.24
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	2493533	100.000	99.925	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	5570343			193.39- 253.39	223.39
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	2285639	100.000	98.066	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	5486790			210.05- 270.05	240.05
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	3959404	100.000	103.41	70.00- 130.00	100.00
16.011	16.011 (1.060)	78	2366049			29.76- 89.76	59.76
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	2721874	100.000	108.86	70.00- 130.00	100.00
16.260	16.260 (1.077)	171	1392876			21.17- 81.17	51.17
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	3145802	100.000	97.537	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	2043317			34.95- 94.95	64.95
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	8798196	100.000	103.05	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	2399886			0.00- 57.28	27.28
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	7406088	100.000	102.47	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	3274880			14.22- 74.22	44.22
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	8101046	100.000	101.50	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	3309983			10.86- 70.86	40.86
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	4680855	100.000	97.944	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	2920611			32.39- 92.39	62.39
17.836	17.836 (1.181)	111	2183683			16.65- 76.65	46.65
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	3877185	100.000	97.926	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	2441254			32.96- 92.96	62.96
17.919	17.919 (1.187)	111	1880320			18.50- 78.50	48.50
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.057	18.057 (1.196)	91	7235597	100.000	110.70	70.00- 130.00	100.00
18.057	18.057 (1.196)	126	1267242			0.00- 47.51	17.51
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	4748769	100.000	98.748	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	2952825			32.18- 92.18	62.18
18.279	18.279 (1.211)	111	2217595			16.70- 76.70	46.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	3339067	100.000	92.315	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	3174987			65.09- 125.09	95.09
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	2880397	100.000	92.994	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	1797931			32.42- 92.42	62.42
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	9121943	100.000	104.30	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	2038243			0.00- 52.34	22.34
16.924	16.924 (1.121)	105	360641			0.00- 33.95	3.95
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	7935655	100.000	101.99	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	1907805			0.00- 54.04	24.04
16.426	16.426 (1.088)	51	1281463			0.00- 46.15	16.15
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	9969013	100.000	96.987	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	1240391			0.00- 42.44	12.44
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.429)	43	5205701	100.000	95.734	70.00- 130.00	100.00
3.514	3.514 (0.429)	57	3030067			28.21- 88.21	58.21
3.514	3.514 (0.429)	72	267502			0.00- 35.14	5.14
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.338)	58	949249	100.000	94.113	70.00- 130.00	100.00
2.767	2.767 (0.338)	43	7726054			783.91- 843.91	813.91
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	2405345	100.000	103.25	70.00- 130.00	100.00
10.703	10.703 (1.063)	98	1215761			20.54- 80.54	50.54
10.703	10.703 (1.063)	55	3063401			97.36- 157.36	127.36

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071010.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-100ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	242637	3.32
92 1,4-Difluorobenze	894476	536686	1252266	960483	7.38
125 Chlorobenzene-d5	750815	450489	1051141	767869	2.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.19	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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.

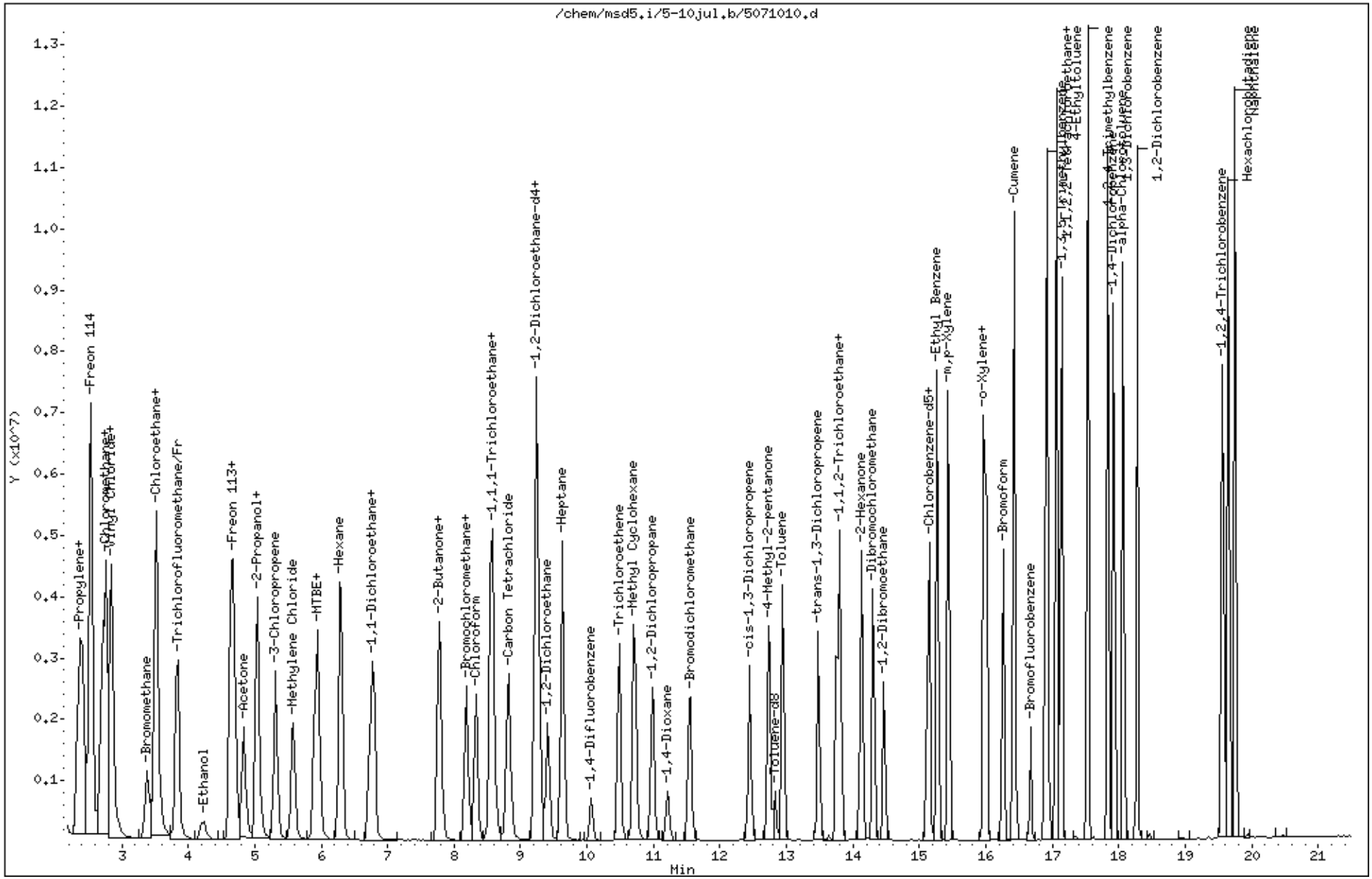
0143

Data File: /chem/msd5.i/5-10jul.b/5071010.d
Date : 10-JUL-2007 16:55
Client ID: Level 6
Sample Info: 100ml #1443-151

Instrument: msd5.i

Operator: db

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10jul.b/5071011.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 10-JUL-2007 17:28
Operator : db Inst ID: msd5.i
Smp Info : 200ml #1443-151
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd5.i/5-10jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:10 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane					CAS #: 74-97-5			
8.214	8.214 (1.000)	130	258614	25.0000		70.00- 130.00		100.00
8.214	8.214 (1.000)	128	198240			51.52- 111.52		76.65
8.214	8.214 (1.000)	49	587929			208.25- 268.25		227.34
* 92 1,4-Difluorobenzene					CAS #: 540-36-3			
10.067	10.067 (1.000)	114	992549	25.0000		70.00- 130.00		100.00
10.067	10.067 (1.000)	88	171877			0.00- 46.63		17.32
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
15.099	15.099 (1.000)	117	790858	25.0000		70.00- 130.00		100.00
15.099	15.099 (1.000)	82	519670			30.57- 90.57		65.71
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
9.265	9.265 (1.128)	65	549983	25.0000	26.123	70.00- 130.00		100.00
9.265	9.265 (1.128)	67	390680			28.18- 88.18		71.03
$ 107 Toluene-d8					CAS #: 2037-26-5			
12.832	12.832 (1.275)	98	865093	25.0000	25.042	70.00- 130.00		100.00
12.832	12.832 (1.275)	70	100929			0.00- 41.76		11.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	651897			41.06- 101.06	75.36
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	564610	25.0000	26.223	70.00- 130.00	100.00
16.675	16.675 (1.104)	95	836237			119.97- 179.97	148.11
16.675	16.675 (1.104)	176	542758			67.40- 127.40	96.13
6 Propylene					CAS #: 115-07-1		
2.353	2.353 (0.286)	41	7488961	200.000	169.44	70.00- 130.00	100.00
2.353	2.353 (0.286)	42	5055404			36.39- 96.39	67.50
2.353	2.353 (0.286)	39	5168636			38.20- 98.20	69.02
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.408 (0.293)	85	13664630	200.000	176.87	70.00- 130.00	100.00
2.408	2.408 (0.293)	87	4432964			2.80- 62.80	32.44
9 Freon 114					CAS #: 76-14-2		
2.574	2.574 (0.313)	135	11176859	200.000	165.81	70.00- 130.00	100.00
2.574	2.574 (0.313)	137	3558968			1.64- 61.64	31.84
10 Chloromethane					CAS #: 74-87-3		
2.712	2.712 (0.330)	50	8005454	200.000	163.26	70.00- 130.00	100.00
2.712	2.712 (0.330)	52	2389411			0.00- 59.59	29.85
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.850 (0.347)	62	6830364	200.000	166.36	70.00- 130.00	100.00
2.850	2.850 (0.347)	64	2066041			0.94- 60.94	30.25
12 1,3-Butadiene					CAS #: 106-99-0		
2.850	2.850 (0.347)	54	6509331	200.000	167.20	70.00- 130.00	100.00
2.850	2.850 (0.347)	39	8522275			79.13- 139.13	130.92
15 Bromomethane					CAS #: 74-83-9		
3.376	3.376 (0.411)	94	4398465	200.000	176.88	70.00- 130.00	100.00
3.376	3.376 (0.411)	96	4171377			61.78- 121.78	94.84
19 Chloroethane					CAS #: 75-00-3		
3.542	3.542 (0.431)	64	3322152	200.000	160.34	70.00- 130.00	100.00
3.542	3.542 (0.431)	49	1039970			1.23- 61.23	31.30
3.542	3.542 (0.431)	66	957956			0.00- 59.50	28.84
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.846	3.846 (0.468)	101	11631733	200.000	173.90	70.00- 130.00	100.00
3.846	3.846 (0.468)	103	7481267			34.30- 94.30	64.32

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.260	4.260 (0.519)	45	2480352	200.000	186.09	70.00- 130.00	100.00
4.260	4.260 (0.519)	43	512107			0.00- 50.63	20.65
4.260	4.260 (0.519)	46	1025464			12.88- 72.88	41.34
30 Freon 113					CAS #: 76-13-1		
4.648	4.648 (0.566)	151	6476517	200.000	179.56	70.00- 130.00	100.00
4.648	4.648 (0.566)	153	4103412			33.00- 93.00	63.36
4.648	4.648 (0.566)	101	8170701			96.57- 156.57	126.16
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.703	4.703 (0.573)	61	7969949	200.000	178.14	70.00- 130.00	100.00
4.703	4.703 (0.573)	96	4072597			21.57- 81.57	51.10
4.703	4.703 (0.573)	98	2602017			2.43- 62.43	32.65
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.589)	58	2767386	200.000	193.50	70.00- 130.00	100.00
4.841	4.841 (0.589)	43	10384065			345.94- 405.94	375.23
36 2-Propanol					CAS #: 67-63-0		
5.035	5.035 (0.613)	45	11613410	200.000	188.40	70.00- 130.00	100.00
5.035	5.035 (0.613)	43	2474238			0.00- 51.25	21.31
5.062	5.062 (0.616)	59	388899			0.00- 33.26	3.35
35 Carbon Disulfide					CAS #: 75-15-0		
5.062	5.062 (0.616)	76	11994930	200.000	183.24	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.339	5.339 (0.650)	76	1998883	200.000	186.48	70.00- 130.00	100.00
5.311	5.311 (0.647)	41	8967806			428.29- 488.29	448.64
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.680)	49	6705515	200.000	178.22	70.00- 130.00	100.00
5.588	5.588 (0.680)	84	3264191			19.10- 79.10	48.68
5.588	5.588 (0.680)	51	1953673			0.00- 59.62	29.14
46 MTBE					CAS #: 1634-04-4		
5.892	5.892 (0.717)	73	5764161	200.000	146.16	70.00- 130.00	100.00
5.892	5.892 (0.717)	57	1808387			1.71- 61.71	31.37
5.892	5.892 (0.717)	41	1966557			5.82- 65.82	34.12
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.975	5.975 (0.727)	96	4229075	200.000	178.94	70.00- 130.00	100.00
5.947	5.947 (0.724)	61	7473155			147.56- 207.56	176.71
5.975	5.975 (0.727)	98	2681928			34.11- 94.11	63.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.306	6.306 (0.768)	57	8790513	200.000	181.39	70.00- 130.00	100.00
6.306	6.306 (0.768)	43	6805768			48.00- 108.00	77.42
6.306	6.306 (0.768)	86	1202196			0.00- 43.50	13.68
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.749	6.749 (0.822)	63	7704328	200.000	181.93	70.00- 130.00	100.00
6.749	6.749 (0.822)	65	2301598			0.08- 60.08	29.87
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.950)	72	1685410	200.000	196.04	70.00- 130.00	100.00
7.800	7.800 (0.950)	43	11677015			701.20- 761.20	692.83
7.800	7.800 (0.950)	57	766229			17.94- 77.94	45.46
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.946)	61	5821201	200.000	191.74	70.00- 130.00	100.00
7.772	7.772 (0.946)	96	3376434			28.69- 88.69	58.00
7.772	7.772 (0.946)	98	2148368			7.24- 67.24	36.91
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (0.997)	42	6545531	200.000	165.13	70.00- 130.00	100.00
8.187	8.187 (0.997)	71	1425335			0.00- 50.96	21.78
8.187	8.187 (0.997)	72	1540587			0.00- 52.57	23.54
72 Chloroform					CAS #: 67-66-3		
8.325	8.325 (1.013)	83	6639248	200.000	184.09	70.00- 130.00	100.00
8.325	8.325 (1.013)	85	4280004			34.47- 94.47	64.47
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.574 (1.044)	97	7606238	200.000	185.15	70.00- 130.00	100.00
8.574	8.574 (1.044)	99	4890623			34.31- 94.31	64.30
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.546 (1.040)	84	4210279	200.000	183.51	70.00- 130.00	100.00
8.546	8.546 (1.040)	56	7343342			139.70- 199.70	174.41
8.546	8.546 (1.040)	41	4802094			82.79- 142.79	114.06
56 Vinyl Acetate					CAS #: 108-05-4		
6.804	6.804 (0.828)	86	1061397	200.000	195.34	70.00- 130.00	100.00
6.804	6.804 (0.828)	43	16728709			1517.90-1577.90	1576.10
6.804	6.804 (0.828)	42	1346348			95.05- 155.05	126.85
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.074)	119	7547124	200.000	184.70	70.00- 130.00	100.00
8.823	8.823 (1.074)	117	7803288			73.73- 133.73	103.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.237 (1.125)	57	20220361	200.000	185.22	70.00- 130.00	100.00
9.237	9.237 (1.125)	56	6749665			3.13- 63.13	33.38
9.237	9.237 (1.125)	41	7116747			5.67- 65.67	35.20
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	8018418	200.000	176.92	70.00- 130.00	100.00
9.237	9.237 (0.918)	77	1908686			0.00- 53.63	23.80
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.403 (0.934)	62	6432169	200.000	186.82	70.00- 130.00	100.00
9.403	9.403 (0.934)	64	1984875			0.06- 60.06	30.86
90 Heptane					CAS #: 142-82-5		
9.624	9.624 (0.956)	100	1087127	200.000	174.82	70.00- 130.00	100.00
9.624	9.624 (0.956)	43	9529390			838.33- 898.33	876.57
9.624	9.624 (0.956)	71	2951521			240.92- 300.92	271.50
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	3628192	200.000	171.68	70.00- 130.00	100.00
10.482	10.482 (1.041)	130	3575719			68.79- 128.79	98.55
10.482	10.482 (1.041)	97	2338325			33.78- 93.78	64.45
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	10.979 (1.091)	63	3079594	200.000	183.59	70.00- 130.00	100.00
10.979	10.979 (1.091)	62	2334905			43.63- 103.63	75.82
10.979	10.979 (1.091)	41	3426722			86.84- 146.84	111.27
99 1,4-Dioxane					CAS #: 123-91-1		
11.200	11.200 (1.113)	88	1829412	200.000	187.01	70.00- 130.00	100.00
11.200	11.200 (1.113)	58	1768500			65.62- 125.62	96.67
11.200	11.200 (1.113)	57	633524			4.99- 64.99	34.63
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	6328922	200.000	189.25	70.00- 130.00	100.00
11.560	11.560 (1.148)	85	4083650			34.05- 94.05	64.52
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	4154268	200.000	192.91	70.00- 130.00	100.00
12.445	12.445 (1.236)	77	1301115			1.72- 61.72	31.32
12.445	12.445 (1.236)	39	4426699			77.37- 137.37	106.56
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.721	12.721 (1.264)	58	3084141	200.000	201.13	70.00- 130.00	100.00(A)
12.721	12.721 (1.264)	43	10608130			324.04- 384.04	343.96
12.749	12.749 (1.266)	85	1080323			5.91- 65.91	35.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	8634189	200.000	189.44	70.00- 130.00	100.00
12.942	12.942 (1.286)	92	5028789			29.35- 89.35	58.24
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	4967299	200.000	198.29	70.00- 130.00	100.00
13.468	13.468 (0.892)	77	1555543			1.37- 61.37	31.32
13.468	13.468 (0.892)	39	4466348			59.57- 119.57	89.92
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.744 (0.910)	97	2826197	200.000	196.56	70.00- 130.00	100.00
13.744	13.744 (0.910)	99	1774358			31.17- 91.17	62.78
13.744	13.744 (0.910)	83	2245209			49.80- 109.80	79.44
116 Tetrachloroethene					CAS #: 127-18-4		
13.800	13.800 (0.914)	166	3778256	200.000	188.89	70.00- 130.00	100.00
13.800	13.800 (0.914)	129	3320181			54.80- 114.80	87.88
13.800	13.800 (0.914)	131	3168582			53.68- 113.68	83.86
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	4232316	200.000	206.38	70.00- 130.00	100.00(A)
14.131	14.131 (0.936)	43	10879780			232.19- 292.19	257.06
14.131	14.131 (0.936)	100	721650			0.00- 48.26	17.05
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	6018679	200.000	203.23	70.00- 130.00	100.00(A)
14.297	14.297 (0.947)	127	4712326			47.59- 107.59	78.30
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	4973334	200.000	201.11	70.00- 130.00	100.00(A)
14.463	14.463 (0.958)	109	4629730			65.69- 125.69	93.09
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	7151972	200.000	192.58	70.00- 130.00	100.00
15.154	15.154 (1.004)	114	2294551			2.34- 62.34	32.08
15.154	15.154 (1.004)	77	4530730			33.83- 93.83	63.35
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	3902738	200.000	191.00	70.00- 130.00	100.00
15.265	15.265 (1.011)	91	12996148			297.24- 357.24	333.00
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	4909345	200.000	191.02	70.00- 130.00	100.00
15.431	15.431 (1.022)	91	10919292			193.39- 253.39	222.42
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	4614083	200.000	192.21	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	10825300			210.05- 270.05	234.61
133 Styrene					CAS #: 100-42-5		
16.011	16.011 (1.060)	104	7958991	200.000	201.83	70.00- 130.00	100.00(A)
16.011	16.011 (1.060)	78	4776629			29.76- 89.76	60.02
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	5388470	200.000	209.24	70.00- 130.00	100.00(A)
16.260	16.260 (1.077)	171	2782383			21.17- 81.17	51.64
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	6134581	200.000	184.68	70.00- 130.00	100.00
16.896	16.896 (1.119)	85	3888121			34.95- 94.95	63.38
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	15613486	200.000	177.56	70.00- 130.00	100.00
17.062	17.062 (1.130)	120	4702792			0.00- 57.28	30.12
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	14810310	200.000	198.96	70.00- 130.00	100.00
17.145	17.145 (1.135)	120	6410326			14.22- 74.22	43.28
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	14925211	200.000	181.57	70.00- 130.00	100.00
17.532	17.532 (1.161)	120	6284934			10.86- 70.86	42.11
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	8900178	200.000	180.82	70.00- 130.00	100.00
17.836	17.836 (1.181)	148	5521495			32.39- 92.39	62.04
17.836	17.836 (1.181)	111	4245867			16.65- 76.65	47.71
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	7719477	200.000	189.30	70.00- 130.00	100.00
17.919	17.919 (1.187)	148	4746190			32.96- 92.96	61.48
17.919	17.919 (1.187)	111	3735468			18.50- 78.50	48.39
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	14774735	200.000	219.48	70.00- 130.00	100.00(A)
18.058	18.058 (1.196)	126	2563644			0.00- 47.51	17.35
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	8995718	200.000	181.62	70.00- 130.00	100.00
18.279	18.279 (1.211)	148	5617857			32.18- 92.18	62.45
18.279	18.279 (1.211)	111	4363160			16.70- 76.70	48.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	6593848	200.000	177.00	70.00- 130.00	100.00
19.578	19.578 (1.297)	182	6240814			65.09- 125.09	94.65
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	5583810	200.000	175.03	70.00- 130.00	100.00
19.661	19.661 (1.302)	223	3437711			32.42- 92.42	61.57
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	16499239	200.000	183.17	70.00- 130.00	100.00
16.924	16.924 (1.121)	120	3934375			0.00- 52.34	23.85
16.924	16.924 (1.121)	105	709281			0.00- 33.95	4.30
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	15519087	200.000	193.66	70.00- 130.00	100.00
16.426	16.426 (1.088)	120	3784052			0.00- 54.04	24.38
16.426	16.426 (1.088)	51	2500743			0.00- 46.15	16.11
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	17119036	200.000	161.71	70.00- 130.00	100.00
19.744	19.744 (1.308)	127	2539915			0.00- 42.44	14.84
17 Isopentane					CAS #: 78-78-4		
3.514	3.514 (0.428)	43	10268689	200.000	177.18	70.00- 130.00	100.00
3.542	3.542 (0.431)	57	6002044			28.21- 88.21	58.45
3.542	3.542 (0.431)	72	561121			0.00- 35.14	5.46
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.337)	58	1761884	200.000	163.89	70.00- 130.00	100.00
2.767	2.767 (0.337)	43	14575082			783.91- 843.91	827.24
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.703 (1.063)	83	4838805	200.000	201.00	70.00- 130.00	100.00(A)
10.703	10.703 (1.063)	98	2472298			20.54- 80.54	51.09
10.703	10.703 (1.063)	55	6124094			97.36- 157.36	126.56

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071011.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd5.i/5-10jul.b/t14q710a.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 10-JUL-2007
Calibration Time: 16:27
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	234839	140903	328775	258614	10.12
92 1,4-Difluorobenze	894476	536686	1252266	992549	10.96
125 Chlorobenzene-d5	750815	450489	1051141	790858	5.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.19	7.86	8.52	8.21	0.34
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	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.

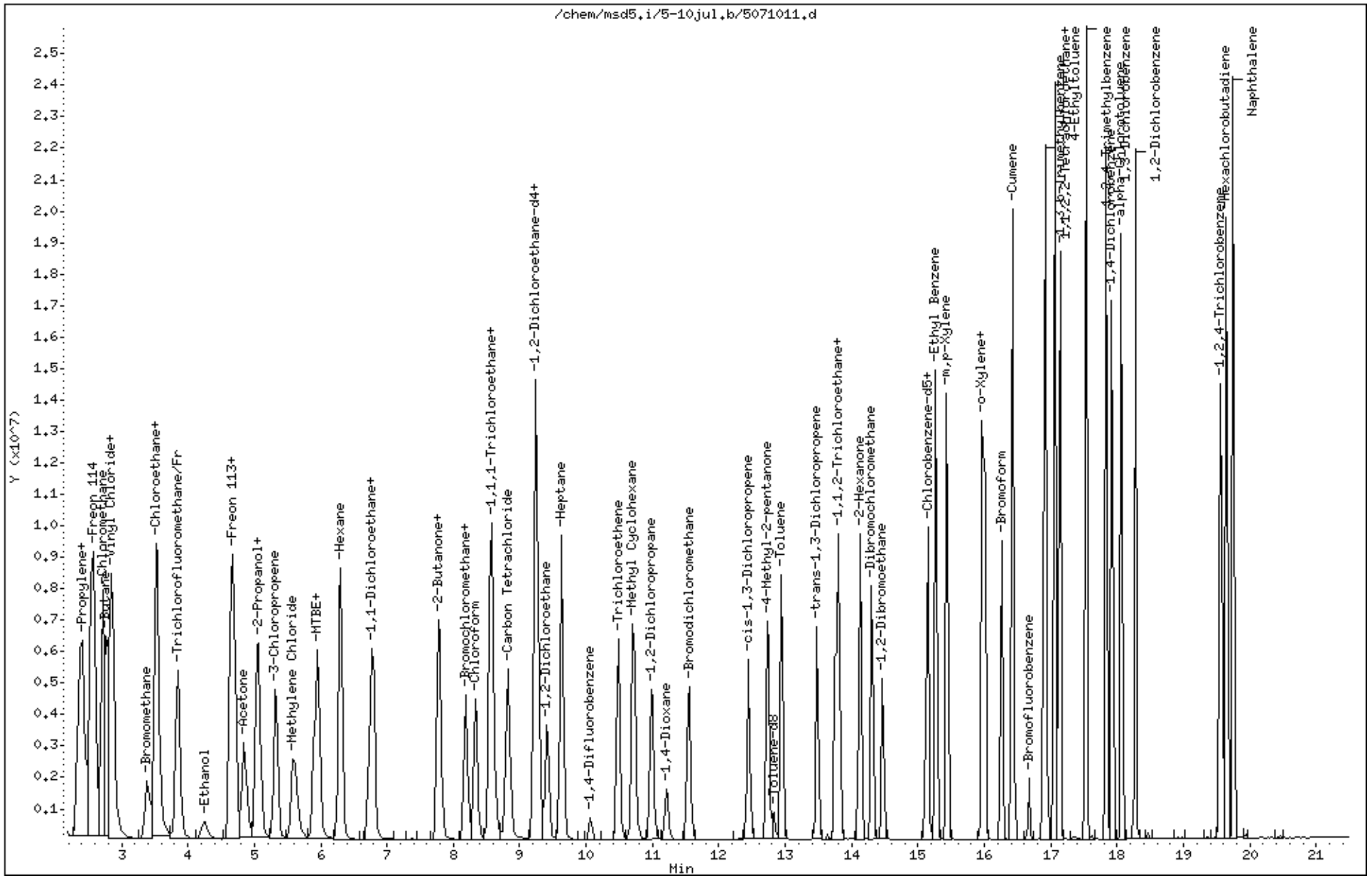
0153

Data File: /chem/msd5.i/5-10jul.b/5071011.d
Date : 10-JUL-2007 17:28
Client ID: Level 7
Sample Info: 200ml #1443-151

Instrument: msd5.i

Operator: db
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707015-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071102**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 10:25 AM**

Compound	%Recovery
Freon 12	78
Freon 114	90
Vinyl Chloride	93
Bromomethane	92
Chloroethane	84
Freon 11	87
1,1-Dichloroethene	87
Freon 113	92
Methylene Chloride	87
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	90
Chloroform	87
1,1,1-Trichloroethane	87
Carbon Tetrachloride	88
Benzene	93
1,2-Dichloroethane	92
Trichloroethene	86
1,2-Dichloropropane	90
cis-1,3-Dichloropropene	93
Toluene	92
trans-1,3-Dichloropropene	90
1,1,2-Trichloroethane	96
Tetrachloroethene	92
1,2-Dibromoethane (EDB)	93
Chlorobenzene	95
Ethyl Benzene	92
m,p-Xylene	95
o-Xylene	92
Styrene	95
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	89
1,3-Butadiene	91
Hexane	86
Cyclohexane	91

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707015-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 10:25 AM**	

Compound	%Recovery
Heptane	88
Bromodichloromethane	94
Dibromochloromethane	94
Cumene	94
Propylbenzene	95
Chloromethane	92
1,2,4-Trichlorobenzene	84
Hexachlorobutadiene	84
Acetone	93
Carbon Disulfide	90
2-Propanol	89
trans-1,2-Dichloroethene	87
2-Butanone (Methyl Ethyl Ketone)	84
Tetrahydrofuran	77
1,4-Dioxane	93
4-Methyl-2-pentanone	95
2-Hexanone	93
Bromoform	97
4-Ethyltoluene	95
Ethanol	95
Methyl tert-butyl ether	99
3-Chloropropene	90
2,2,4-Trimethylpentane	88
Naphthalene	84

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 11-JUL-2007 10:25
Lab File ID: 5071102.d Init. Cal. Date(s): 10-JUL-2007 10-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:34 17:28
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-11jul.b/t14q710a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 84 1,2-Dichloroethane-d4	2.03526	1.86233	0.010	8.49667	30.00000	Averaged
$ 107 Toluene-d8	0.87012	0.86981	0.010	0.03529	30.00000	Averaged
$ 138 Bromofluorobenzene	0.68062	0.70167	0.010	-3.09348	30.00000	Averaged
6 Propylene	4.27247	3.81475	0.010	10.71336	30.00000	Averaged
8 Dichlorodifluoromethane/Fr1	7.46846	5.86855	0.010	21.42226	30.00000	Averaged
9 Freon 114	6.51605	5.86356	0.010	10.01349	30.00000	Averaged
10 Chloromethane	4.74013	4.33970	0.010	8.44767	30.00000	Averaged
13 Vinyl Chloride	3.96912	3.67560	0.010	7.39520	30.00000	Averaged
12 1,3-Butadiene	3.76333	3.43693	0.010	8.67331	30.00000	Averaged
15 Bromomethane	2.40391	2.21123	0.010	8.01541	30.00000	Averaged
19 Chloroethane	2.00287	1.68775	0.010	15.73345	30.00000	Averaged
20 Trichlorofluoromethane/Fr11	6.46575	5.62746	0.010	12.96518	30.00000	Averaged
26 Ethanol	1.28847	1.21891	0.010	5.39844	30.00000	Averaged
30 Freon 113	3.48667	3.21242	0.010	7.86571	30.00000	Averaged
31 1,1-Dichloroethene	4.32501	3.74576	0.010	13.39287	30.00000	Averaged
32 Acetone	1.38250	1.28367	0.010	7.14891	30.00000	Averaged
36 2-Propanol	5.95906	5.33175	0.010	10.52701	30.00000	Averaged
35 Carbon Disulfide	6.32799	5.69994	0.010	9.92491	30.00000	Averaged
38 3-Chloropropene	1.03622	0.93778	0.010	9.49971	30.00000	Averaged
43 Methylene Chloride	3.63712	3.16997	0.010	12.84412	30.00000	Averaged
46 MTBE	3.81243	3.76179	0.010	1.32812	30.00000	Averaged
47 trans-1,2-Dichloroethene	2.28463	1.99093	0.010	12.85542	30.00000	Averaged
51 Hexane	4.68480	4.01369	0.010	14.32533	30.00000	Averaged
55 1,1-Dichloroethane	4.09362	3.55197	0.010	13.23164	30.00000	Averaged
67 2-Butanone	0.83111	0.69675	0.010	16.16611	30.00000	Averaged
66 cis-1,2-Dichloroethene	2.93492	2.63130	0.010	10.34508	30.00000	Averaged
70 Tetrahydrofuran	3.83177	2.96800	0.010	22.54224	30.00000	Averaged
72 Chloroform	3.48638	3.04746	0.010	12.58957	30.00000	Averaged
75 1,1,1-Trichloroethane	3.97123	3.44461	0.010	13.26098	30.00000	Averaged
74 Cyclohexane	2.21790	2.02418	0.010	8.73439	30.00000	Averaged
56 Vinyl Acetate	0.52527	0.47366	0.010	9.82513	30.00000	Averaged
77 Carbon Tetrachloride	3.94992	3.45684	0.010	12.48334	30.00000	Averaged
80 2,2,4-Trimethylpentane	10.55316	9.29646	0.010	11.90827	30.00000	Averaged
81 Benzene	1.14154	1.06568	0.010	6.64591	30.00000	Averaged
85 1,2-Dichloroethane	0.86718	0.79884	0.010	7.88124	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 11-JUL-2007 10:25
Lab File ID: 5071102.d Init. Cal. Date(s): 10-JUL-2007 10-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:34 17:28
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-11jul.b/t14q710a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
90 Heptane	0.15663	0.13860	0.010	11.50838	30.00000	Averaged
93 Trichloroethene	0.53230	0.45796	0.010	13.96444	30.00000	Averaged
98 1,2-Dichloropropane	0.42250	0.37920	0.010	10.24824	30.00000	Averaged
99 1,4-Dioxane	0.24640	0.22841	0.010	7.30050	30.00000	Averaged
100 Bromodichloromethane	0.84232	0.79043	0.010	6.15994	30.00000	Averaged
103 cis-1,3-Dichloropropene	0.54241	0.50493	0.010	6.90949	30.00000	Averaged
106 4-Methyl-2-pentanone	0.38623	0.36647	0.010	5.11417	30.00000	Averaged
108 Toluene	1.14798	1.05727	0.010	7.90182	30.00000	Averaged
113 trans-1,3-Dichloropropene	0.79187	0.71710	0.010	9.44155	30.00000	Averaged
114 1,1,2-Trichloroethane	0.45450	0.43545	0.010	4.19245	30.00000	Averaged
116 Tetrachloroethene	0.63231	0.58499	0.010	7.48332	30.00000	Averaged
119 2-Hexanone	0.64826	0.60209	0.010	7.12279	30.00000	Averaged
120 Dibromochloromethane	0.93618	0.87764	0.010	6.25255	30.00000	Averaged
122 1,2-Dibromoethane	0.78171	0.73027	0.010	6.58077	30.00000	Averaged
126 Chlorobenzene	1.17394	1.11562	0.010	4.96774	30.00000	Averaged
128 Ethyl Benzene	0.64590	0.59483	0.010	7.90613	30.00000	Averaged
130 m,p-Xylene	0.81244	0.76863	0.010	5.39339	30.00000	Averaged
132 o-Xylene	0.75883	0.69708	0.010	8.13748	30.00000	Averaged
133 Styrene	1.24653	1.18085	0.010	5.26918	30.00000	Averaged
134 Bromoform	0.81408	0.79191	0.010	2.72298	30.00000	Averaged
141 1,1,2,2-Tetrachloroethane	1.05006	0.94864	0.010	9.65823	30.00000	Averaged
144 4-Ethyltoluene	2.77973	2.65091	0.010	4.63416	30.00000	Averaged
147 1,3,5-Trimethylbenzene	2.35303	2.30815	0.010	1.90732	30.00000	Averaged
152 1,2,4-Trimethylbenzene	2.59840	2.46111	0.010	5.28358	30.00000	Averaged
155 1,3-Dichlorobenzene	1.55597	1.40431	0.010	9.74738	30.00000	Averaged
156 1,4-Dichlorobenzene	1.28905	1.16023	0.010	9.99332	30.00000	Averaged
157 alpha-Chlorotoluene	2.12798	2.08453	0.010	2.04203	30.00000	Averaged
159 1,2-Dichlorobenzene	1.56569	1.39081	0.010	11.16918	30.00000	Averaged
163 1,2,4-Trichlorobenzene	1.17762	0.98649	0.010	16.23045	30.00000	Averaged
164 Hexachlorobutadiene	1.00844	0.84633	0.010	16.07545	30.00000	Averaged
142 Propylbenzene	2.84742	2.71782	0.010	4.55160	30.00000	Averaged
136 Cumene	2.53316	2.38593	0.010	5.81218	30.00000	Averaged
165 Naphthalene	3.34650	2.81267	0.010	15.95201	30.00000	Averaged
17 Isopentane	5.60265	5.06843	0.010	9.53528	30.00000	Averaged
11 Butane	1.03923	0.93416	0.010	10.11078	30.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 11-JUL-2007 10:25
Lab File ID: 5071102.d Init. Cal. Date(s): 10-JUL-2007 10-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:34 17:28
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-11jul.b/t14q710a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Methyl Cyclohexane	0.60637	0.59791	0.010	1.39497	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071102.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 11-JUL-2007 10:25
Operator : JG Inst ID: msd5.i
Smp Info : 50ml #1443-151
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:21 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane					CAS #: 74-97-5			
8.214	8.214 (1.000)	130	323047	25.0000		80.00- 120.00		100.00
8.214	8.214 (1.000)	128	253148			48.36- 108.36		78.36
8.214	8.214 (1.000)	49	688453			183.11- 243.11		213.11
* 92 1,4-Difluorobenzene					CAS #: 540-36-3			
10.067	10.067 (1.000)	114	1158147	25.0000		80.00- 120.00		100.00
10.067	10.067 (1.000)	88	201621			0.00- 47.41		17.41
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
15.099	15.099 (1.000)	117	945083	25.0000		80.00- 120.00		100.00
15.099	15.099 (1.000)	82	605155			30.57- 90.57		64.03
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
9.265	9.265 (1.128)	65	601619	25.0000	22.876	80.00- 120.00		100.00
9.265	9.265 (1.128)	67	317883			28.18- 88.18		52.84
$ 107 Toluene-d8					CAS #: 2037-26-5			
12.832	12.832 (1.275)	98	1007366	25.0000	24.991	80.00- 120.00		100.00
12.832	12.832 (1.275)	70	121556			0.00- 41.76		12.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	700258			41.06- 101.06	69.51
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	663138	25.0000	25.773	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	982189			118.11- 178.11	148.11
16.675	16.675 (1.104)	176	622086			63.81- 123.81	93.81
6 Propylene					CAS #: 115-07-1		
2.380	2.380 (0.290)	41	2464686	50.0000	44.643	80.00- 120.00	100.00
2.380	2.380 (0.290)	42	1643008			36.39- 96.39	66.66
2.380	2.380 (0.290)	39	1692734			38.20- 98.20	68.68
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.436	2.436 (0.296)	85	3791634	50.0000	39.289	80.00- 120.00	100.00
2.436	2.436 (0.296)	87	1246929			2.80- 62.80	32.89
9 Freon 114					CAS #: 76-14-2		
2.546	2.546 (0.310)	135	3788413	50.0000	44.993	80.00- 120.00	100.00
2.546	2.546 (0.310)	137	1187376			1.34- 61.34	31.34
10 Chloromethane					CAS #: 74-87-3		
2.712	2.712 (0.330)	50	2803855	50.0000	45.776	80.00- 120.00	100.00
2.712	2.712 (0.330)	52	783081			0.00- 59.59	27.93
13 Vinyl Chloride					CAS #: 75-01-4		
2.878	2.878 (0.350)	62	2374781	50.0000	46.302	80.00- 120.00	100.00
2.878	2.878 (0.350)	64	696351			0.94- 60.94	29.32
12 1,3-Butadiene					CAS #: 106-99-0		
2.850	2.850 (0.347)	54	2220579	50.0000	45.663	80.00- 120.00	100.00
2.850	2.850 (0.347)	39	2608174			79.13- 139.13	117.45
15 Bromomethane					CAS #: 74-83-9		
3.403	3.403 (0.414)	94	1428663	50.0000	45.992	80.00- 120.00	100.00
3.403	3.403 (0.414)	96	1367377			65.71- 125.71	95.71
19 Chloroethane					CAS #: 75-00-3		
3.542	3.542 (0.431)	64	1090446	50.0000	42.133	80.00- 120.00	100.00
3.542	3.542 (0.431)	49	332446			1.23- 61.23	30.49
3.542	3.542 (0.431)	66	310968			0.00- 59.50	28.52
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.846	3.846 (0.468)	101	3635866	50.0000	43.517	80.00- 120.00	100.00
3.846	3.846 (0.468)	103	2368559			35.14- 95.14	65.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.233	4.233 (0.515)	45	787530	50.0000	47.301	80.00- 120.00	100.00
4.233	4.233 (0.515)	43	152015			0.00- 50.63	19.30
4.205	4.205 (0.512)	46	300124			12.88- 72.88	38.11
30 Freon 113					CAS #: 76-13-1		
4.675	4.675 (0.569)	151	2075526	50.0000	46.067	80.00- 120.00	100.00
4.675	4.675 (0.569)	153	1234383			29.47- 89.47	59.47
4.675	4.675 (0.569)	101	2536979			92.23- 152.23	122.23
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.703	4.703 (0.573)	61	2420115	50.0000	43.304	80.00- 120.00	100.00
4.703	4.703 (0.573)	96	1250328			21.66- 81.66	51.66
4.703	4.703 (0.573)	98	832285			4.39- 64.39	34.39
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.589)	58	829371	50.0000	46.426	80.00- 120.00	100.00
4.841	4.841 (0.589)	43	3085607			345.94- 405.94	372.04
36 2-Propanol					CAS #: 67-63-0		
5.062	5.062 (0.616)	45	3444811	50.0000	44.736	80.00- 120.00	100.00
5.062	5.062 (0.616)	43	725505			0.00- 51.25	21.06
5.062	5.062 (0.616)	59	124061			0.00- 33.26	3.60
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.613)	76	3682699	50.0000	45.038	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.339	5.339 (0.650)	76	605893	50.0000	45.250	80.00- 120.00	100.00
5.339	5.339 (0.650)	41	2714380			428.29- 488.29	448.00
43 Methylene Chloride					CAS #: 75-09-2		
5.588	5.588 (0.680)	49	2048096	50.0000	43.578	80.00- 120.00	100.00
5.588	5.588 (0.680)	84	1013926			19.51- 79.51	49.51
5.588	5.588 (0.680)	51	619160			0.00- 59.62	30.23
46 MTBE					CAS #: 1634-04-4		
5.920	5.920 (0.721)	73	2430472	50.0000	49.336	80.00- 120.00	100.00
5.920	5.920 (0.721)	57	784909			2.29- 62.29	32.29
5.920	5.920 (0.721)	41	858359			5.82- 65.82	35.32
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.975	5.975 (0.727)	96	1286331	50.0000	43.572	80.00- 120.00	100.00
5.975	5.975 (0.727)	61	2228895			143.28- 203.28	173.28
5.975	5.975 (0.727)	98	823311			34.11- 94.11	64.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.307	6.307 (0.768)	57	2593221	50.0000	42.837	80.00- 120.00	100.00
6.307	6.307 (0.768)	43	2029905			48.00- 108.00	78.28
6.307	6.307 (0.768)	86	368832			0.00- 43.50	14.22
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.749	6.749 (0.822)	63	2294907	50.0000	43.384	80.00- 120.00	100.00
6.749	6.749 (0.822)	65	683393			0.00- 59.78	29.78
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.950)	72	450165	50.0000	41.917	80.00- 120.00	100.00
7.800	7.800 (0.950)	43	3438275			733.78- 793.78	763.78
7.800	7.800 (0.950)	57	223716			17.94- 77.94	49.70
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.946)	61	1700066	50.0000	44.827	80.00- 120.00	100.00
7.772	7.772 (0.946)	96	995252			28.54- 88.54	58.54
7.772	7.772 (0.946)	98	648989			8.17- 68.17	38.17
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (0.997)	42	1917609	50.0000	38.729	80.00- 120.00	100.00
8.187	8.187 (0.997)	71	395566			0.00- 50.63	20.63
8.187	8.187 (0.997)	72	434006			0.00- 52.57	22.63
72 Chloroform					CAS #: 67-66-3		
8.353	8.353 (1.017)	83	1968946	50.0000	43.705	80.00- 120.00	100.00
8.353	8.353 (1.017)	85	1266654			34.33- 94.33	64.33
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.601	8.601 (1.047)	97	2225540	50.0000	43.370	80.00- 120.00	100.00
8.601	8.601 (1.047)	99	1378939			31.96- 91.96	61.96
74 Cyclohexane					CAS #: 110-82-7		
8.574	8.574 (1.044)	84	1307810	50.0000	45.633	80.00- 120.00	100.00
8.574	8.574 (1.044)	56	2141988			133.78- 193.78	163.78
8.574	8.574 (1.044)	41	1400376			77.08- 137.08	107.08
56 Vinyl Acetate					CAS #: 108-05-4		
6.804	6.804 (0.828)	86	306027	50.0000	45.087	80.00- 120.00	100.00
6.804	6.804 (0.828)	43	4750542			1517.90-1577.90	1552.33
6.804	6.804 (0.828)	42	369765			95.05- 155.05	120.83
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.074)	119	2233445	50.0000	43.758	80.00- 120.00	100.00
8.823	8.823 (1.074)	117	2280769			72.12- 132.12	102.12

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.265	9.265 (1.128)	57	6006388	50.0000	44.046	80.00- 120.00	100.00
9.265	9.265 (1.128)	56	1989532			3.13- 63.13	33.12
9.265	9.265 (1.128)	41	2094407			5.67- 65.67	34.87
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	2468424	50.0000	46.677	80.00- 120.00	100.00
9.237	9.237 (0.918)	77	560772			0.00- 53.63	22.72
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.431	9.431 (0.937)	62	1850346	50.0000	46.059	80.00- 120.00	100.00
9.431	9.431 (0.937)	64	565546			0.06- 60.06	30.56
90 Heptane					CAS #: 142-82-5		
9.652	9.652 (0.959)	100	321046	50.0000	44.246	80.00- 120.00	100.00
9.625	9.625 (0.956)	43	2725588			838.33- 898.33	848.97
9.625	9.625 (0.956)	71	853723			240.92- 300.92	265.92
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	1060777	50.0000	43.018	80.00- 120.00	100.00
10.482	10.482 (1.041)	130	1058773			69.81- 129.81	99.81
10.482	10.482 (1.041)	97	698226			35.82- 95.82	65.82
98 1,2-Dichloropropane					CAS #: 78-87-5		
11.007	11.007 (1.093)	63	878349	50.0000	44.876	80.00- 120.00	100.00
11.007	11.007 (1.093)	62	651935			44.22- 104.22	74.22
11.007	11.007 (1.093)	41	992759			83.03- 143.03	113.03
99 1,4-Dioxane					CAS #: 123-91-1		
11.228	11.228 (1.115)	88	529060	50.0000	46.350	80.00- 120.00	100.00
11.228	11.228 (1.115)	58	520025			68.29- 128.29	98.29
11.228	11.228 (1.115)	57	179901			4.99- 64.99	34.00
100 Bromodichloromethane					CAS #: 75-27-4		
11.560	11.560 (1.148)	83	1830872	50.0000	46.920	80.00- 120.00	100.00
11.560	11.560 (1.148)	85	1169236			33.86- 93.86	63.86
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	1169563	50.0000	46.545	80.00- 120.00	100.00
12.445	12.445 (1.236)	77	369046			1.55- 61.55	31.55
12.445	12.445 (1.236)	39	1285389			79.90- 139.90	109.90
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.749	12.749 (1.266)	58	848860	50.0000	47.443	80.00- 120.00	100.00
12.749	12.749 (1.266)	43	2984516			324.04- 384.04	351.59
12.749	12.749 (1.266)	85	299930			5.91- 65.91	35.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	2448951	50.0000	46.049	80.00- 120.00	100.00
12.942	12.942 (1.286)	92	1421718			28.05- 88.05	58.05
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	1355441	50.0000	45.279	80.00- 120.00	100.00
13.468	13.468 (0.892)	77	421008			1.06- 61.06	31.06
13.468	13.468 (0.892)	39	1230547			60.79- 120.79	90.79
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.772	13.772 (0.912)	97	823073	50.0000	47.904	80.00- 120.00	100.00
13.772	13.772 (0.912)	99	510270			32.00- 92.00	62.00
13.772	13.772 (0.912)	83	647877			48.71- 108.71	78.71
116 Tetrachloroethene					CAS #: 127-18-4		
13.800	13.800 (0.914)	166	1105731	50.0000	46.258	80.00- 120.00	100.00
13.800	13.800 (0.914)	129	965353			57.30- 117.30	87.30
13.800	13.800 (0.914)	131	901961			51.57- 111.57	81.57
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	1138044	50.0000	46.439	80.00- 120.00	100.00
14.131	14.131 (0.936)	43	2989695			232.70- 292.70	262.70
14.131	14.131 (0.936)	100	192216			0.00- 48.26	16.89
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	1658892	50.0000	46.874	80.00- 120.00	100.00
14.297	14.297 (0.947)	127	1295653			47.59- 107.59	78.10
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	1380334	50.0000	46.710	80.00- 120.00	100.00
14.463	14.463 (0.958)	109	1320826			65.69- 125.69	95.69
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	2108706	50.0000	47.516	80.00- 120.00	100.00
15.154	15.154 (1.004)	114	655783			1.10- 61.10	31.10
15.154	15.154 (1.004)	77	1296989			31.51- 91.51	61.51
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	1124332	50.0000	46.047	80.00- 120.00	100.00
15.265	15.265 (1.011)	91	3739478			297.24- 357.24	332.60
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	1452829	50.0000	47.303	80.00- 120.00	100.00
15.431	15.431 (1.022)	91	3135964			193.39- 253.39	215.85
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	1317596	50.0000	45.931	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	3084507			204.10- 264.10	234.10
133 Styrene					CAS #: 100-42-5		
16.012	16.012 (1.060)	104	2232001	50.0000	47.365	80.00- 120.00	100.00
16.012	16.012 (1.060)	78	1335166			29.82- 89.82	59.82
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	1496850	50.0000	48.638	80.00- 120.00	100.00
16.260	16.260 (1.077)	171	779253			22.06- 82.06	52.06
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	1793093	50.0000	45.171	80.00- 120.00	100.00
16.896	16.896 (1.119)	85	1176657			35.62- 95.62	65.62
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	5010657	50.0000	47.683	80.00- 120.00	100.00
17.062	17.062 (1.130)	120	1382962			0.00- 57.60	27.60
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	4362795	50.0000	49.046	80.00- 120.00	100.00
17.145	17.145 (1.135)	120	1925409			14.22- 74.22	44.13
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	4651913	50.0000	47.358	80.00- 120.00	100.00
17.532	17.532 (1.161)	120	1883303			10.48- 70.48	40.48
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	2654373	50.0000	45.126	80.00- 120.00	100.00
17.836	17.836 (1.181)	148	1652397			32.39- 92.39	62.25
17.836	17.836 (1.181)	111	1257017			16.65- 76.65	47.36
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	2193029	50.0000	45.003	80.00- 120.00	100.00
17.919	17.919 (1.187)	148	1371947			32.96- 92.96	62.56
17.919	17.919 (1.187)	111	1029700			18.50- 78.50	46.95
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	3940103	50.0000	48.979	80.00- 120.00	100.00
18.058	18.058 (1.196)	126	680654			0.00- 47.51	17.28
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	2628869	50.0000	44.415	80.00- 120.00	100.00
18.279	18.279 (1.211)	148	1641703			32.45- 92.45	62.45
18.279	18.279 (1.211)	111	1272612			18.41- 78.41	48.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	1864629	50.0000	41.885	80.00- 120.00	100.00
19.578	19.578 (1.297)	182	1754440			64.09- 124.09	94.09
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	1599704	50.0000	41.962	80.00- 120.00	100.00
19.661	19.661 (1.302)	223	1038902			34.94- 94.94	64.94
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	5137128	50.0000	47.724	80.00- 120.00	100.00
16.924	16.924 (1.121)	120	1130105			0.00- 52.34	22.00
16.924	16.924 (1.121)	105	207540			0.00- 33.95	4.04
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	4509802	50.0000	47.094	80.00- 120.00	100.00
16.426	16.426 (1.088)	120	1120005			0.00- 54.04	24.83
16.426	16.426 (1.088)	51	722529			0.00- 46.15	16.02
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	5316404	50.0000	42.024	80.00- 120.00	100.00
19.744	19.744 (1.308)	127	706821			0.00- 42.44	13.30
17 Isopentane					CAS #: 78-78-4		
3.542	3.542 (0.431)	43	3274679	50.0000	45.232	80.00- 120.00	100.00
3.542	3.542 (0.431)	57	1956263			28.21- 88.21	59.74
3.542	3.542 (0.431)	72	171858			0.00- 35.14	5.25
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.337)	58	603552	50.0000	44.945	80.00- 120.00	100.00
2.767	2.767 (0.337)	43	5036153			783.91- 843.91	834.42
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.731	10.731 (1.066)	83	1384939	50.0000	49.302	80.00- 120.00	100.00
10.731	10.731 (1.066)	98	716396			20.54- 80.54	51.73
10.703	10.703 (1.063)	55	1772145			97.36- 157.36	127.96

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071102.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	323047	0.00
92 1,4-Difluorobenze	1158147	694888	1621406	1158147	0.00
125 Chlorobenzene-d5	945083	567050	1323116	945083	0.00

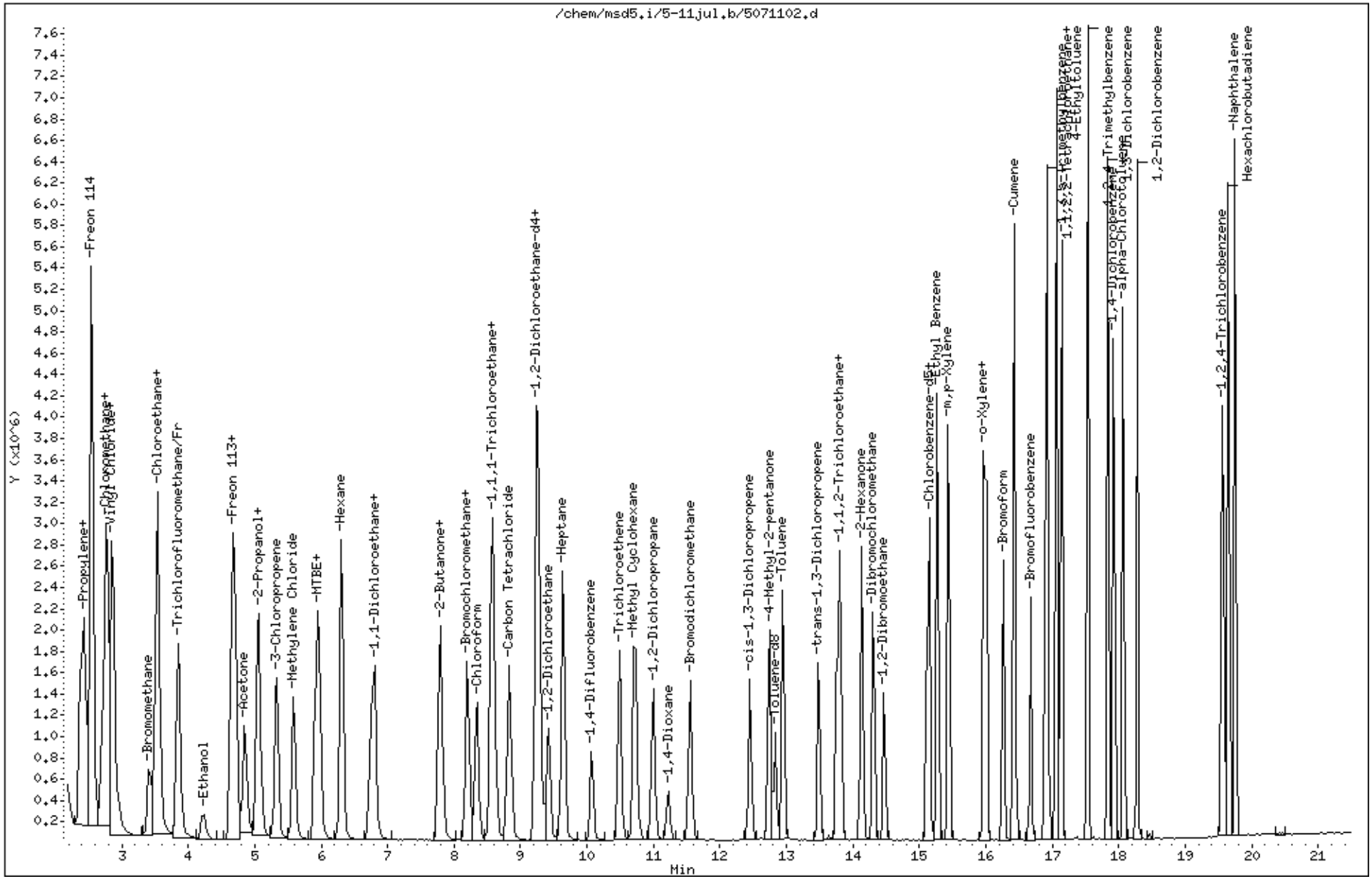
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.21	0.00
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	0.00

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

Data File: /chem/msd5.i/5-11jul.b/5071102.d
Date : 11-JUL-2007 10:25
Client ID: CCV-1
Sample Info: 50ml #1443-151

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

Column phase: RTx-624



0168

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707015-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 10:53 AM**	

Compound	%Recovery
Freon 12	110
Freon 114	111
Vinyl Chloride	110
Bromomethane	117
Chloroethane	105
Freon 11	110
1,1-Dichloroethene	126
Freon 113	125
Methylene Chloride	120
1,1-Dichloroethane	118
cis-1,2-Dichloroethene	118
Chloroform	118
1,1,1-Trichloroethane	117
Carbon Tetrachloride	117
Benzene	123
1,2-Dichloroethane	122
Trichloroethene	115
1,2-Dichloropropane	118
cis-1,3-Dichloropropene	123
Toluene	127
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	123
Tetrachloroethene	123
1,2-Dibromoethane (EDB)	121
Chlorobenzene	122
Ethyl Benzene	121
m,p-Xylene	121
o-Xylene	122
Styrene	119
1,1,2,2-Tetrachloroethane	118
1,3,5-Trimethylbenzene	119
1,2,4-Trimethylbenzene	120
1,3-Dichlorobenzene	120
1,4-Dichlorobenzene	115
alpha-Chlorotoluene	130
1,2-Dichlorobenzene	115
1,3-Butadiene	109
Hexane	112
Cyclohexane	122

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707015-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5071103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/07 10:53 AM**	

Compound	%Recovery
Heptane	116
Bromodichloromethane	124
Dibromochloromethane	126
Cumene	127
Propylbenzene	130
Chloromethane	115
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	107
Acetone	116
Carbon Disulfide	113
2-Propanol	118
trans-1,2-Dichloroethene	111
2-Butanone (Methyl Ethyl Ketone)	116
Tetrahydrofuran	101
1,4-Dioxane	118
4-Methyl-2-pentanone	131
2-Hexanone	126
Bromoform	130
4-Ethyltoluene	126
Ethanol	126
Methyl tert-butyl ether	124
3-Chloropropene	116
2,2,4-Trimethylpentane	118
Naphthalene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	102	70-130

Report Date: 11-Jul-2007 11:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-11jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: JG
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8 Dichlorodifluorome	50.000	54.957	109.91	70-130
9 Freon 114	50.000	55.364	110.73	70-130
10 Chloromethane	50.000	57.689	115.38	70-130
13 Vinyl Chloride	50.000	54.953	109.91	70-130
12 1,3-Butadiene	50.000	54.307	108.61	60-140
15 Bromomethane	50.000	58.307	116.61	70-130
19 Chloroethane	50.000	52.647	105.29	70-130
20 Trichlorofluoromet	50.000	55.113	110.23	70-130
26 Ethanol	50.000	63.213	126.43	60-140
30 Freon 113	50.000	62.324	124.65	70-130
31 1,1-Dichloroethene	50.000	62.799	125.60	70-130
35 Carbon Disulfide	50.000	56.728	113.46	60-140
32 Acetone	50.000	58.023	116.05	60-140
36 2-Propanol	50.000	58.788	117.58	60-140
38 3-Chloropropene	50.000	58.003	116.01	60-140
43 Methylene Chloride	50.000	60.093	120.19	70-130
46 MTBE	50.000	62.146	124.29	60-140
47 trans-1,2-Dichloro	50.000	55.645	111.29	60-140
51 Hexane	50.000	56.199	112.40	60-140
55 1,1-Dichloroethane	50.000	58.822	117.64	70-130
66 cis-1,2-Dichloroet	50.000	59.290	118.58	70-130
67 2-Butanone	50.000	58.030	116.06	60-140
70 Tetrahydrofuran	50.000	50.669	101.34	60-140
72 Chloroform	50.000	59.239	118.48	70-130
74 Cyclohexane	50.000	61.123	122.25	60-140
75 1,1,1-Trichloroeth	50.000	58.326	116.65	70-130
56 Vinyl Acetate	50.000	59.879	119.76	60-140
77 Carbon Tetrachlori	50.000	58.405	116.81	70-130
80 2,2,4-Trimethylpen	50.000	59.042	118.08	60-140
81 Benzene	50.000	61.456	122.91	70-130
85 1,2-Dichloroethane	50.000	60.941	121.88	70-130
90 Heptane	50.000	57.929	115.86	60-140
93 Trichloroethene	50.000	57.490	114.98	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,2-Dichloropropan	50.000	59.262	118.52	70-130
99 1,4-Dioxane	50.000	59.081	118.16	60-140
100 Bromodichlorometha	50.000	61.839	123.68	60-140
103 cis-1,3-Dichloropr	50.000	61.641	123.28	70-130
106 4-Methyl-2-pentano	50.000	65.522	131.04	60-140
108 Toluene	50.000	63.447	126.89	70-130
113 trans-1,3-Dichloro	50.000	58.398	116.80	70-130
114 1,1,2-Trichloroeth	50.000	61.648	123.30	70-130
116 Tetrachloroethene	50.000	61.495	122.99	70-130
119 2-Hexanone	50.000	62.960	125.92	60-140
120 Dibromochlorometha	50.000	62.867	125.73	60-140
122 1,2-Dibromoethane	50.000	60.550	121.10	70-130
126 Chlorobenzene	50.000	61.175	122.35	70-130
128 Ethyl Benzene	50.000	60.328	120.66	70-130
130 m,p-Xylene	50.000	60.565	121.13	70-130
132 o-Xylene	50.000	60.911	121.82	70-130
133 Styrene	50.000	59.678	119.36	70-130
134 Bromoform	50.000	65.016	130.03	60-140
136 Cumene	50.000	63.377	126.75	60-140
141 1,1,2,2-Tetrachlor	50.000	58.868	117.74	70-130
142 Propylbenzene	50.000	64.915	129.83	60-140
144 4-Ethyltoluene	50.000	63.128	126.26	60-140
147 1,3,5-Trimethylben	50.000	59.718	119.44	70-130
152 1,2,4-Trimethylben	50.000	60.179	120.36	70-130
155 1,3-Dichlorobenzen	50.000	59.872	119.74	70-130
156 1,4-Dichlorobenzen	50.000	57.537	115.07	70-130
157 alpha-Chlorotoluen	50.000	64.848	129.70	70-130
159 1,2-Dichlorobenzen	50.000	57.560	115.12	70-130
163 1,2,4-Trichloroben	50.000	48.852	97.70	70-130
164 Hexachlorobutadien	50.000	53.625	107.25	70-130
6 Propylene	50.000	60.824	121.65	70-130
165 Naphthalene	50.000	47.827	95.65	60-140
11 Butane	50.000	56.630	113.26	70-130
17 Isopentane	50.000	55.644	111.29	70-130
94 Methyl Cyclohexane	50.000	65.828	131.66*	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	23.500	94.00	70-130
$ 107 Toluene-d8	25.000	24.769	99.08	70-130
$ 138 Bromofluorobenzene	25.000	25.456	101.83	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-11jul.b/5071103.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 11-JUL-2007 10:53
Operator : JG Inst ID: msd5.i
Smp Info : 50ml #1443-147
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd5.i/5-11jul.b/t14q710a.m
Meth Date : 11-Jul-2007 11:21 jgray Quant Type: ISTD
Cal Date : 10-JUL-2007 17:28 Cal File: 5071011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.187	8.214 (1.000)	130	259248	25.0000		80.00- 120.00	100.00
8.187	8.214 (1.000)	128	201186			48.36- 108.36	77.60
8.187	8.214 (1.000)	49	555237			183.11- 243.11	214.17
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
10.067	10.067 (1.000)	114	947013	25.0000		80.00- 120.00	100.00
10.067	10.067 (1.000)	88	164731			0.00- 47.41	17.39
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
15.099	15.099 (1.000)	117	779038	25.0000		80.00- 120.00	100.00
15.099	15.099 (1.000)	82	475239			30.57- 90.57	61.00
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.265	9.265 (1.132)	65	495968	23.4995	23.500	80.00- 120.00	100.00
9.265	9.265 (1.132)	67	256968			28.18- 88.18	51.81
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.832	12.832 (1.275)	98	816407	24.7693	24.769	80.00- 120.00	100.00
12.832	12.832 (1.275)	70	100191			0.00- 41.76	12.27

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.832	12.832 (1.275)	100	564547			41.06- 101.06	69.15
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.675	16.675 (1.104)	174	539906	25.4564	25.456	80.00- 120.00	100.00
16.675	16.675 (1.104)	95	786541			118.11- 178.11	145.68
16.675	16.675 (1.104)	176	512266			63.81- 123.81	94.88
6 Propylene					CAS #: 115-07-1		
2.353	2.380 (0.287)	41	2694844	60.8245	60.824	80.00- 120.00	100.00
2.353	2.380 (0.287)	42	1774909			36.39- 96.39	65.86
2.353	2.380 (0.287)	39	1844725			38.20- 98.20	68.45
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.408	2.436 (0.294)	85	4256272	54.9570	54.957	80.00- 120.00	100.00
2.408	2.436 (0.294)	87	1359492			2.80- 62.80	31.94
9 Freon 114					CAS #: 76-14-2		
2.519	2.546 (0.308)	135	3741021	55.3644	55.364	80.00- 120.00	100.00
2.519	2.546 (0.308)	137	1209439			1.34- 61.34	32.33
10 Chloromethane					CAS #: 74-87-3		
2.657	2.712 (0.325)	50	2835700	57.6892	57.689	80.00- 120.00	100.00
2.657	2.712 (0.325)	52	851403			0.00- 59.59	30.02
13 Vinyl Chloride					CAS #: 75-01-4		
2.850	2.878 (0.348)	62	2261825	54.9527	54.953	80.00- 120.00	100.00
2.850	2.878 (0.348)	64	694354			0.94- 60.94	30.70
12 1,3-Butadiene					CAS #: 106-99-0		
2.823	2.850 (0.345)	54	2119365	54.3072	54.307	80.00- 120.00	100.00
2.823	2.850 (0.345)	39	2520127			79.13- 139.13	118.91
15 Bromomethane					CAS #: 74-83-9		
3.376	3.403 (0.412)	94	1453505	58.3072	58.307	80.00- 120.00	100.00
3.376	3.403 (0.412)	96	1404343			65.71- 125.71	96.62
19 Chloroethane					CAS #: 75-00-3		
3.486	3.542 (0.426)	64	1093453	52.6467	52.647	80.00- 120.00	100.00
3.486	3.542 (0.426)	49	346671			1.23- 61.23	31.70
3.486	3.542 (0.426)	66	309762			0.00- 59.50	28.33
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.818	3.846 (0.466)	101	3695311	55.1133	55.113	80.00- 120.00	100.00
3.818	3.846 (0.466)	103	2366825			35.14- 95.14	64.05

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.205	4.233 (0.514)	45	844603	63.2127	63.213	80.00- 120.00	100.00
4.205	4.233 (0.514)	43	183354			0.00- 50.63	21.71
4.178	4.205 (0.510)	46	349633			12.88- 72.88	41.40
30 Freon 113					CAS #: 76-13-1		
4.648	4.675 (0.568)	151	2253419	62.3240	62.324	80.00- 120.00	100.00
4.648	4.675 (0.568)	153	1440687			29.47- 89.47	63.93
4.648	4.675 (0.568)	101	2856323			92.23- 152.23	126.76
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.675	4.703 (0.571)	61	2816539	62.7991	62.799	80.00- 120.00	100.00
4.675	4.703 (0.571)	96	1442238			21.66- 81.66	51.21
4.675	4.703 (0.571)	98	900032			4.39- 64.39	31.96
32 Acetone					CAS #: 67-64-1		
4.841	4.841 (0.591)	58	831846	58.0232	58.023	80.00- 120.00	100.00
4.841	4.841 (0.591)	43	3262131			345.94- 405.94	392.16
36 2-Propanol					CAS #: 67-63-0		
5.035	5.062 (0.615)	45	3632831	58.7885	58.788	80.00- 120.00	100.00
5.035	5.062 (0.615)	43	816093			0.00- 51.25	22.46
5.035	5.062 (0.615)	59	109538			0.00- 33.26	3.02
35 Carbon Disulfide					CAS #: 75-15-0		
5.035	5.035 (0.615)	76	3722558	56.7284	56.728	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.311	5.339 (0.649)	76	623268	58.0028	58.003	80.00- 120.00	100.00
5.311	5.339 (0.649)	41	2798712			428.29- 488.29	449.04
43 Methylene Chloride					CAS #: 75-09-2		
5.560	5.588 (0.679)	49	2266500	60.0928	60.093	80.00- 120.00	100.00
5.560	5.588 (0.679)	84	1108087			19.51- 79.51	48.89
5.560	5.588 (0.679)	51	656078			0.00- 59.62	28.95
46 MTBE					CAS #: 1634-04-4		
5.892	5.920 (0.720)	73	2456914	62.1460	62.146	80.00- 120.00	100.00
5.892	5.920 (0.720)	57	790903			2.29- 62.29	32.19
5.892	5.920 (0.720)	41	879802			5.82- 65.82	35.81
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.947	5.975 (0.726)	96	1318312	55.6450	55.645	80.00- 120.00	100.00
5.947	5.975 (0.726)	61	2334440			143.28- 203.28	177.08
5.947	5.975 (0.726)	98	833275			34.11- 94.11	63.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.279	6.307 (0.767)	57	2730227	56.1994	56.199	80.00- 120.00	100.00
6.279	6.307 (0.767)	43	2150614			48.00- 108.00	78.77
6.279	6.307 (0.767)	86	376544			0.00- 43.50	13.79
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.721	6.749 (0.821)	63	2497036	58.8222	58.822	80.00- 120.00	100.00
6.721	6.749 (0.821)	65	746393			0.00- 59.78	29.89
67 2-Butanone					CAS #: 78-93-3		
7.800	7.800 (0.953)	72	500135	58.0304	58.030	80.00- 120.00	100.00
7.800	7.800 (0.953)	43	3596749			733.78- 793.78	719.16
7.800	7.800 (0.953)	57	246317			17.94- 77.94	49.25
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.772	7.772 (0.949)	61	1804491	59.2903	59.290	80.00- 120.00	100.00
7.772	7.772 (0.949)	96	1105645			28.54- 88.54	61.27
7.772	7.772 (0.949)	98	689159			8.17- 68.17	38.19
70 Tetrahydrofuran					CAS #: 109-99-9		
8.187	8.187 (1.000)	42	2013350	50.6693	50.669	80.00- 120.00	100.00
8.187	8.187 (1.000)	71	438108			0.00- 50.63	21.76
8.187	8.187 (1.000)	72	494468			0.00- 52.57	24.56
72 Chloroform					CAS #: 67-66-3		
8.325	8.353 (1.017)	83	2141700	59.2391	59.239	80.00- 120.00	100.00
8.325	8.353 (1.017)	85	1381543			34.33- 94.33	64.51
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.574	8.601 (1.047)	97	2401942	58.3260	58.326	80.00- 120.00	100.00
8.574	8.601 (1.047)	99	1529123			31.96- 91.96	63.66
74 Cyclohexane					CAS #: 110-82-7		
8.546	8.574 (1.044)	84	1405797	61.1231	61.123	80.00- 120.00	100.00
8.546	8.574 (1.044)	56	2354297			133.78- 193.78	167.47
8.546	8.574 (1.044)	41	1549148			77.08- 137.08	110.20
56 Vinyl Acetate					CAS #: 108-05-4		
6.777	6.804 (0.828)	86	326158	59.8789	59.879	80.00- 120.00	100.00
6.777	6.804 (0.828)	43	5074104			1517.90-1577.90	1555.72
6.777	6.804 (0.828)	42	401403			95.05- 155.05	123.07
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.823	8.823 (1.078)	119	2392304	58.4053	58.405	80.00- 120.00	100.00
8.823	8.823 (1.078)	117	2460413			72.12- 132.12	102.85

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.237	9.265 (1.128)	57	6461296	59.0421	59.042	80.00- 120.00	100.00
9.237	9.265 (1.128)	56	2124123			3.13- 63.13	32.87
9.237	9.265 (1.128)	41	2277763			5.67- 65.67	35.25
81 Benzene					CAS #: 71-43-2		
9.237	9.237 (0.918)	78	2657500	61.4560	61.456	80.00- 120.00	100.00
9.237	9.237 (0.918)	77	613117			0.00- 53.63	23.07
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.403	9.431 (0.934)	62	2001865	60.9407	60.941	80.00- 120.00	100.00
9.403	9.431 (0.934)	64	613554			0.06- 60.06	30.65
90 Heptane					CAS #: 142-82-5		
9.624	9.652 (0.956)	100	343704	57.9292	57.929	80.00- 120.00	100.00
9.624	9.625 (0.956)	43	2967179			838.33- 898.33	863.29
9.624	9.625 (0.956)	71	911963			240.92- 300.92	265.33
93 Trichloroethene					CAS #: 79-01-6		
10.482	10.482 (1.041)	95	1159212	57.4903	57.490	80.00- 120.00	100.00
10.482	10.482 (1.041)	130	1115495			69.81- 129.81	96.23
10.482	10.482 (1.041)	97	739714			35.82- 95.82	63.81
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.979	11.007 (1.091)	63	948466	59.2619	59.262	80.00- 120.00	100.00
10.979	11.007 (1.091)	62	708597			44.22- 104.22	74.71
10.979	11.007 (1.091)	41	1088613			83.03- 143.03	114.78
99 1,4-Dioxane					CAS #: 123-91-1		
11.201	11.228 (1.113)	88	551439	59.0810	59.081	80.00- 120.00	100.00
11.201	11.228 (1.113)	58	555582			68.29- 128.29	100.75
11.201	11.228 (1.113)	57	204569			4.99- 64.99	37.10
100 Bromodichloromethane					CAS #: 75-27-4		
11.532	11.560 (1.146)	83	1973113	61.8386	61.839	80.00- 120.00	100.00
11.532	11.560 (1.146)	85	1240655			33.86- 93.86	62.88
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.445	12.445 (1.236)	75	1266513	61.6409	61.641	80.00- 120.00	100.00
12.445	12.445 (1.236)	77	408639			1.55- 61.55	32.26
12.445	12.445 (1.236)	39	1344460			79.90- 139.90	106.15
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.721	12.749 (1.264)	58	958622	65.5225	65.522	80.00- 120.00	100.00
12.721	12.749 (1.264)	43	3342017			324.04- 384.04	348.63
12.721	12.749 (1.264)	85	344110			5.91- 65.91	35.90

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.942	12.942 (1.286)	91	2759084	63.4474	63.447	80.00- 120.00	100.00
12.942	12.942 (1.286)	92	1620585			28.05- 88.05	58.74
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.468	13.468 (0.892)	75	1441011	58.3979	58.398	80.00- 120.00	100.00
13.468	13.468 (0.892)	77	469322			1.06- 61.06	32.57
13.468	13.468 (0.892)	39	1334450			60.79- 120.79	92.61
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.744	13.772 (0.910)	97	873121	61.6477	61.648	80.00- 120.00	100.00
13.744	13.772 (0.910)	99	538035			32.00- 92.00	61.62
13.744	13.772 (0.910)	83	715609			48.71- 108.71	81.96
116 Tetrachloroethene					CAS #: 127-18-4		
13.800	13.800 (0.914)	166	1211677	61.4948	61.495	80.00- 120.00	100.00
13.800	13.800 (0.914)	129	1055142			57.30- 117.30	87.08
13.800	13.800 (0.914)	131	979846			51.57- 111.57	80.87
119 2-Hexanone					CAS #: 591-78-6		
14.131	14.131 (0.936)	58	1271842	62.9600	62.960	80.00- 120.00	100.00
14.131	14.131 (0.936)	43	3294163			232.70- 292.70	259.01
14.131	14.131 (0.936)	100	208742			0.00- 48.26	16.41
120 Dibromochloromethane					CAS #: 124-48-1		
14.297	14.297 (0.947)	129	1833994	62.8667	62.867	80.00- 120.00	100.00
14.297	14.297 (0.947)	127	1436726			47.59- 107.59	78.34
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.463	14.463 (0.958)	107	1474965	60.5501	60.550	80.00- 120.00	100.00
14.463	14.463 (0.958)	109	1403651			65.69- 125.69	95.17
126 Chlorobenzene					CAS #: 108-90-7		
15.154	15.154 (1.004)	112	2237875	61.1747	61.175	80.00- 120.00	100.00
15.154	15.154 (1.004)	114	713927			1.10- 61.10	31.90
15.154	15.154 (1.004)	77	1410230			31.51- 91.51	63.02
128 Ethyl Benzene					CAS #: 100-41-4		
15.265	15.265 (1.011)	106	1214243	60.3286	60.328	80.00- 120.00	100.00
15.265	15.265 (1.011)	91	3995905			297.24- 357.24	329.09
130 m,p-Xylene					CAS #: 108-38-3		
15.431	15.431 (1.022)	106	1533325	60.5651	60.565	80.00- 120.00	100.00
15.431	15.431 (1.022)	91	3440250			193.39- 253.39	224.37
132 o-Xylene					CAS #: 95-47-6		
15.956	15.956 (1.057)	106	1440321	60.9111	60.911	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.956	15.956 (1.057)	91	3338107			204.10- 264.10	231.76
133 Styrene					CAS #: 100-42-5		
16.012	16.012 (1.060)	104	2318131	59.6783	59.678	80.00- 120.00	100.00
16.012	16.012 (1.060)	78	1405366			29.82- 89.82	60.62
134 Bromoform					CAS #: 75-25-2		
16.260	16.260 (1.077)	173	1649333	65.0162	65.016	80.00- 120.00	100.00
16.260	16.260 (1.077)	171	854643			22.06- 82.06	51.82
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.896	16.896 (1.119)	83	1926261	58.8684	58.868	80.00- 120.00	100.00
16.896	16.896 (1.119)	85	1233386			35.62- 95.62	64.03
144 4-Ethyltoluene					CAS #: 622-96-8		
17.062	17.062 (1.130)	105	5468216	63.1284	63.128	80.00- 120.00	100.00
17.062	17.062 (1.130)	120	1530877			0.00- 57.60	28.00
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.145	17.145 (1.135)	105	4378748	59.7177	59.718	80.00- 120.00	100.00
17.145	17.145 (1.135)	120	1921039			14.22- 74.22	43.87
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.532	17.532 (1.161)	105	4872740	60.1795	60.179	80.00- 120.00	100.00
17.532	17.532 (1.161)	120	2025091			10.48- 70.48	41.56
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.836	17.836 (1.181)	146	2902991	59.8722	59.872	80.00- 120.00	100.00
17.836	17.836 (1.181)	148	1813290			32.39- 92.39	62.46
17.836	17.836 (1.181)	111	1318372			16.65- 76.65	45.41
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.919	17.919 (1.187)	146	2311189	57.5370	57.537	80.00- 120.00	100.00
17.919	17.919 (1.187)	148	1439193			32.96- 92.96	62.27
17.919	17.919 (1.187)	111	1121177			18.50- 78.50	48.51
157 alpha-Chlorotoluene					CAS #: 100-44-7		
18.058	18.058 (1.196)	91	4300123	64.8477	64.848	80.00- 120.00	100.00
18.058	18.058 (1.196)	126	751190			0.00- 47.51	17.47
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.279	18.279 (1.211)	146	2808290	57.5596	57.560	80.00- 120.00	100.00
18.279	18.279 (1.211)	148	1812455			32.45- 92.45	64.54
18.279	18.279 (1.211)	111	1347244			18.41- 78.41	47.97

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.578	19.578 (1.297)	180	1792698	48.8520	48.852	80.00- 120.00	100.00
19.578	19.578 (1.297)	182	1746986			64.09- 124.09	97.45
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.661	19.661 (1.302)	225	1685145	53.6251	53.625	80.00- 120.00	100.00
19.661	19.661 (1.302)	223	1055736			34.94- 94.94	62.65
142 Propylbenzene					CAS #: 103-65-1		
16.924	16.924 (1.121)	91	5759910	64.9150	64.915	80.00- 120.00	100.00
16.924	16.924 (1.121)	120	1297681			0.00- 52.34	22.53
16.924	16.924 (1.121)	105	230662			0.00- 33.95	4.00
136 Cumene					CAS #: 98-82-8		
16.426	16.426 (1.088)	105	5002795	63.3769	63.377	80.00- 120.00	100.00
16.426	16.426 (1.088)	120	1216687			0.00- 54.04	24.32
16.426	16.426 (1.088)	51	808268			0.00- 46.15	16.16
165 Naphthalene					CAS #: 91-20-3		
19.744	19.744 (1.308)	128	4987455	47.8266	47.827	80.00- 120.00	100.00
19.744	19.744 (1.308)	127	630152			0.00- 42.44	12.63
17 Isopentane					CAS #: 78-78-4		
3.514	3.542 (0.429)	43	3232879	55.6442	55.644	80.00- 120.00	100.00
3.514	3.542 (0.429)	57	1868441			28.21- 88.21	57.79
3.514	3.542 (0.429)	72	163847			0.00- 35.14	5.07
11 Butane					CAS #: 106-97-8		
2.767	2.767 (0.338)	58	610287	56.6301	56.630	80.00- 120.00	100.00
2.740	2.767 (0.335)	43	4983835			783.91- 843.91	816.64
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.703	10.731 (1.063)	83	1512049	65.8282	65.828	80.00- 120.00	100.00(R)
10.703	10.731 (1.063)	98	774056			20.54- 80.54	51.19
10.703	10.703 (1.063)	55	1972403			97.36- 157.36	130.45

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5071103.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd5.i/5-11jul.b/t14q710a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 11-JUL-2007
Calibration Time: 10:25
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	323047	193828	452266	259248	-19.75
92 1,4-Difluorobenze	1158147	694888	1621406	947013	-18.23
125 Chlorobenzene-d5	945083	567050	1323116	779038	-17.57

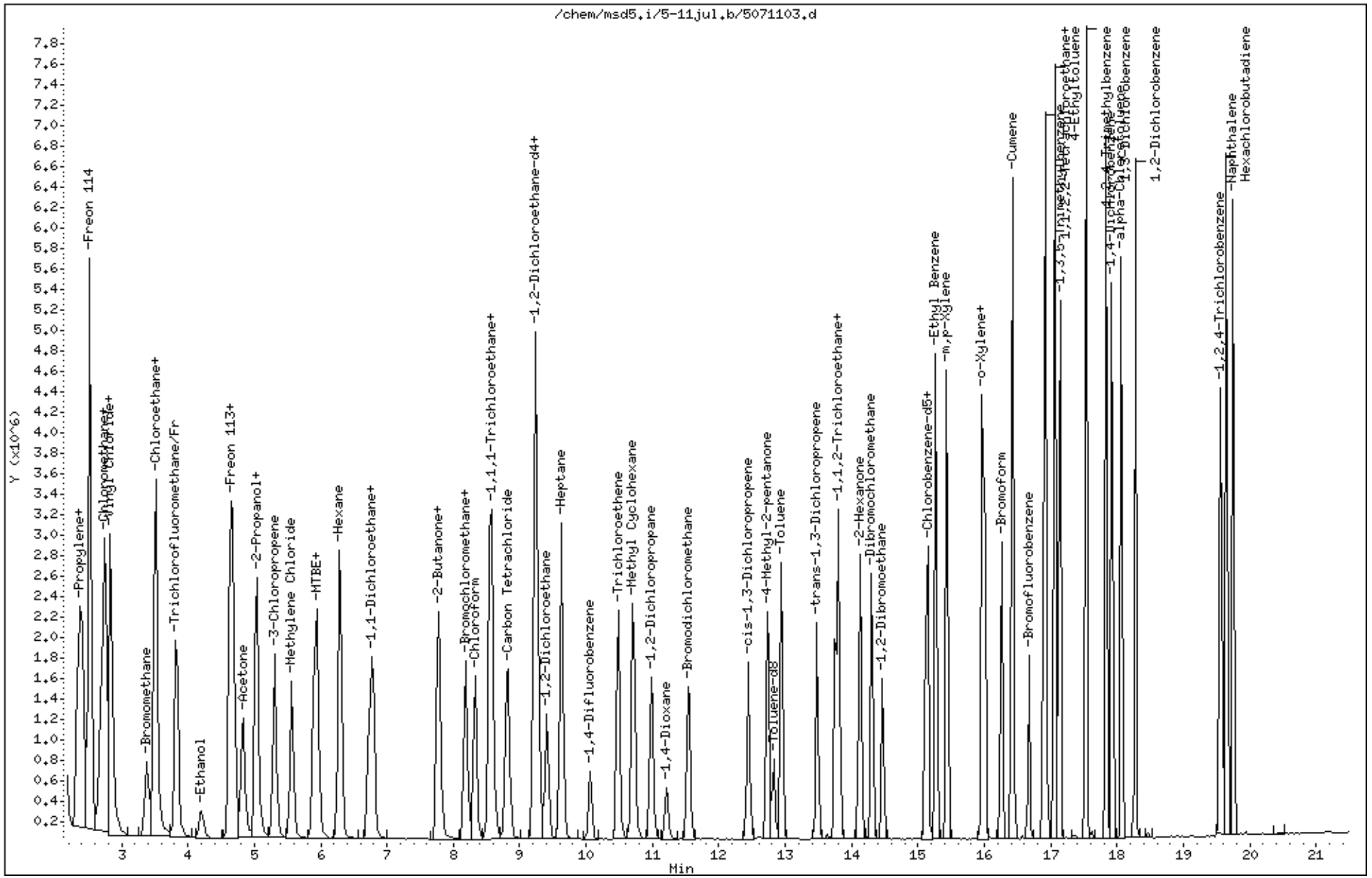
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.21	7.88	8.54	8.19	-0.34
92 1,4-Difluorobenze	10.07	9.74	10.40	10.07	0.00
125 Chlorobenzene-d5	15.10	14.77	15.43	15.10	0.00

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.

0182

Data File: /chem/msd5.i/5-11jul.b/5071103.d
Date : 11-JUL-2007 10:53
Client ID: LCS-1
Sample Info: 50ml #1443-147

Instrument: msd5.i
Operator: JG
Column phase: RTx-624
Column diameter: 0.53



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MSD-5

7/11/07 Logbook #: 1523

0183

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	36.13
75	30.0 – 60.0% of mass 95	58.65
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.93
173	Less than 2.0% of mass 174	(0.85)[1]
174	Greater than 50.0% of mass 95	59.83
175	5.0 – 9.0% of mass 174	(7.39)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(98.25)[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: ~~7/12/07~~ 7/11/07
BFB Injection Time: 1000
BFB File ID: 5071101
Tekmar Purge Flow: —
Vacuum: — 7/11/07

IS/S Std.#:	1487-311	Exp. Date:	9/18/07
BCM	323047		
1,4-DFB	1158147		
CB-d5	445083		

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

Verify 176/174 m/z Ratio: ~~921088~~ 937472 -100 = 98.25 % (7/11/07)

NOAH Cart #: 7/14 **File #:** F071111 / 5071116

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1007366)}{(1158147)} \times \frac{(25)}{(0.87012)} = 24.991$

Reported Result 24.991

File ID:	5071102
Compound:	Tol-d8
Initials:	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5071101	BFB Tune Check	843-2800	50ng	2 µL	1.00		7/11/07	1000		
2	✓	02	CCV # 1443-151	200 ppbv	50 ppbv	50 mL				1025		
3	✓	03	LCS # 1443-147							1053		
4	X	04	Lab Blank	13673	Humid	200 mL	1.00			1205		Cart Pos#8, log7
5	✓	05	Lab Blank							1300		
6	✓	06	0706549A-05A	9512	2.0" Hg 15psi	100 mL	4.32			1511		
7	✓	07	↓ -03A	9450	1.5" Hg 15psi	50 mL	8.52			1539		
8	✓	08	0707118-05A	34444	11.0" Hg 5psi	200 mL	2.12			1611		
9	X	09	↓ -01A	21005	12.0" Hg 5psi	13 mL	34.3		↓	1639		rr @ 50 mL

Signature ___ Date 7/11/07

10	X	507111	10	0707118-02A	14121	11.5"Hg-5psi	13 mL	33.4	JG	7/11/07	1707	DL	rr@45mL
11			11	-03A	34235	11.0"Hg-5psi	9 mL	47.1					
12			12	-04A	9452	↓	6 mL	70.7					
13			13	0706561-01A	13661	1.0"Hg-5psi	200 mL	1.39	↓	DL 7/11/07			NOT RUN
14	✓	50711	11	0707118-01A	21605	12.0"Hg-5psi	50 mL	8.92	JG	7/11/07	1810	DM/CL	
15	✓		12	-02A	14121	11.5"Hg-5psi	45 mL	9.64			1838	DM/CL	
16	✓		13	-03A	34235	11.0"Hg-5psi	31 mL	13.7			1906	DM/CL	
17	✓		14	-04A	9452	↓	21 mL	20.2			1934	DM/CL	
18	✓		15	0706561-01A	13661	1.0"Hg-5psi	200 mL	1.39	↓		2007	DM/CL	
19	✓		16	System Blank	13673	Humid	200 mL	1.00	DM		2150	DM/CL	cart cert #14 lg 8
20	✓	↓	17	↓	↓	↓	↓	↓	↓	↓	2252	DM/CL	cart cert #11 lg 6
21	✓		18	0706602-01A	12343	7.0"Hg-5psi	200 mL	1.75	DM/JG	7/12/07	0004	CL	
22	✓		19		-02A	33656	4.0		1.55			0037	CL	
23	✓		20		-03A	33788	3.5		1.52			0109	CL	
24	✓		21	↓	-04A	34363	6.5		1.71			0141	CL	
25	✓		22	0707015-01A 02A	22500 4224	7.5 9.0		1.79 1.91			0213	CL	Switched DL 7/12/07
26	✓		23	-02A 01A	4224 22500	9.0 7.5		1.91 1.79			0245	CL	
27			24	0707105A-02A	13674	2.5		1.46					
28	X		25	-01A	34347	30	↓	1.49					
29			26	01A							7/12/07	CL	
30	✓	50711	24	0707015-01AA	4224	9.0"Hg-5psi		1.91			0317	CL	02AA can 4224
31	✓		25	0707105A-02A	13674	2.5"Hg-		1.46			0349	CL	
32	✓		26	0707105A-01A	34347	3.0"Hg		1.49			0421	CL	
33	✓	↓	27	0707105A-01AA	34347	3.0"Hg-5psi		1.49		↓	0453	CL	JG 7/12/07

Comments: (SEE NEXT PAGE)

DL 7/12/07

Signature [signature]

7/12/07
Date

0184

@ Air Toxics Ltd.

MSD-5

Logbook #: 1523

0185

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

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

BFB Injection Date: 7/12/07

BFB Injection Time:

BFB File ID:

Tekmar Purge Flow:

Vacuum:

IS/S Std.#:	Exp. Date:
BCM	
1,4-DFB	
CB-d5	

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

Verify 176/174 m/z Ratio: _____

NOAH Cart #: _____ **File #:** _____

Calculation Check:

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

(cont. from previous pg.)

Reported Result _____

File ID:
Compound:
Initials:

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	50711 18	0706602-01A	12343	7.0"Hg-5psi	200mL	1.75	DM	7/12/07	0004	CL	
2	✓	19	-02A	33456	4.0"Hg-5psi		1.55			0037	CL	
3	✓	20	-03A	33788	3.5"Hg-5psi		1.52			0109	CL	
4	✓	21	-04A	34363	6.5"Hg-5psi		1.71			0141	CL	
5	✓	22	0707015-02A	4224	9.0"Hg-5psi		1.91			0213	CL	
6	✓	23	-01A	22500	7.5"Hg-5psi		1.79			0245	CL	
7	✓	24	-02AA	4224	9.0"Hg-5psi		1.91			0317	CL	
8	✓	25	0707105A-02A	13674	2.5"Hg-5psi		1.46			0349	CL	
9	✓	26	-01A	34347	3.0"Hg-5psi		1.49			0421	CL	

Signature

7/12/07
Date

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-10jul.b/5071003.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 10-JUL-2007 13:34
Operator : db Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #843-2980;50 ng
Comment :
Method : /var/chem/msd5.i/5-10jul.b/bfb30.m
Meth Date : 10-Jul-2007 13:08 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.860	3.900	-0.040	95	763776			100.00- 100.00	100.00
3.860	3.900	-0.040	50	270462			15.00- 40.00	35.41
3.860	3.900	-0.040	75	451762			30.00- 60.00	59.15
3.860	3.900	-0.040	96	48619			5.00- 9.00	6.37
3.860	3.900	-0.040	173	3877			0.00- 2.00	0.78
3.860	3.900	-0.040	174	494869			50.00- 100.00	64.79
3.860	3.900	-0.040	175	35077			5.00- 9.00	7.09
3.860	3.900	-0.040	176	476309			95.00- 101.00	96.25
3.860	3.900	-0.040	177	29709			5.00- 9.00	6.24

Data File: /var/chem/msd5.i/5-10jul.b/5071003.d

Date : 10-JUL-2007 13:34

Client ID: BFB

Instrument: msd5.i

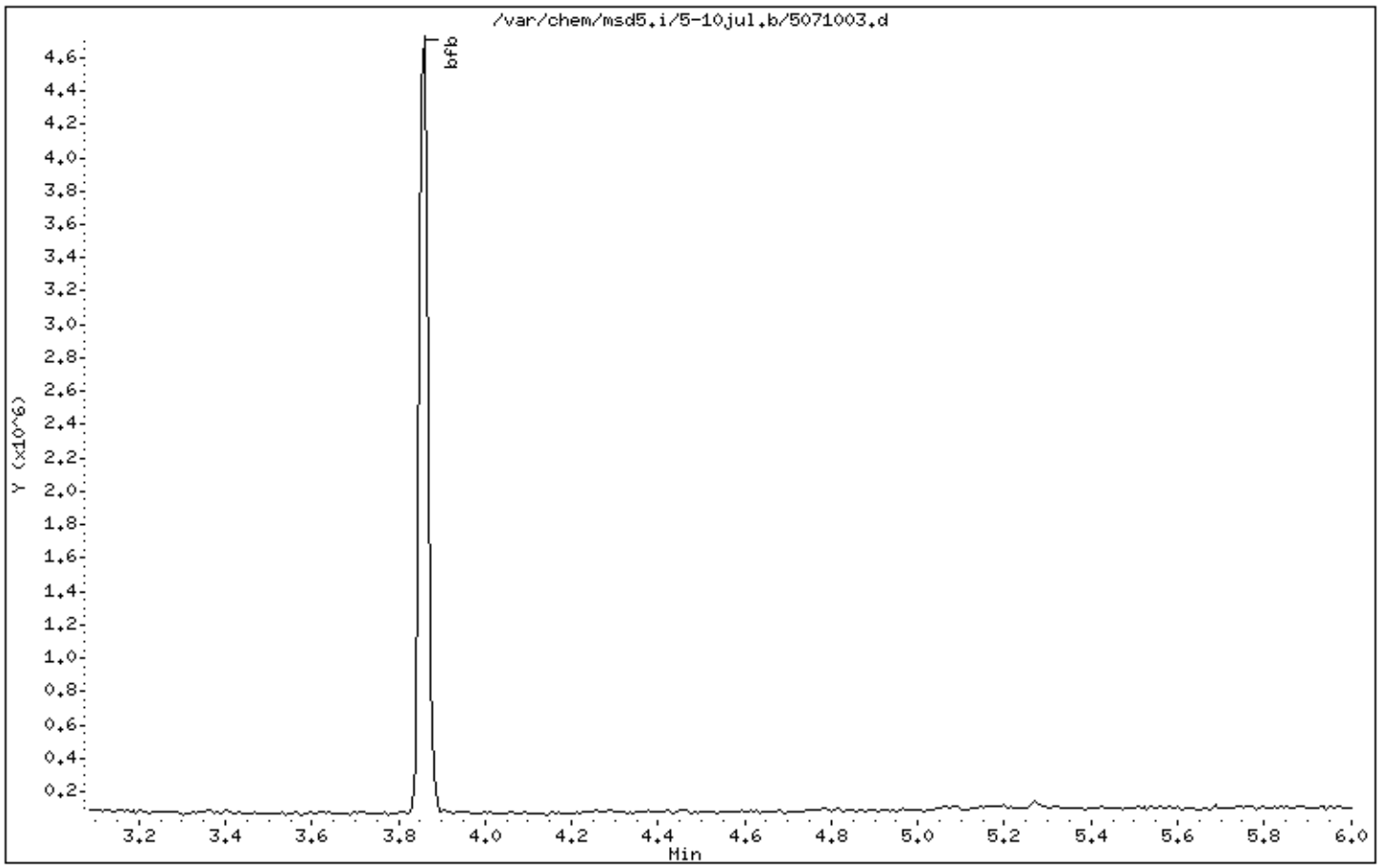
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: db

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd5.i/5-10jul.b/5071003.d

Date : 10-JUL-2007 13:34

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

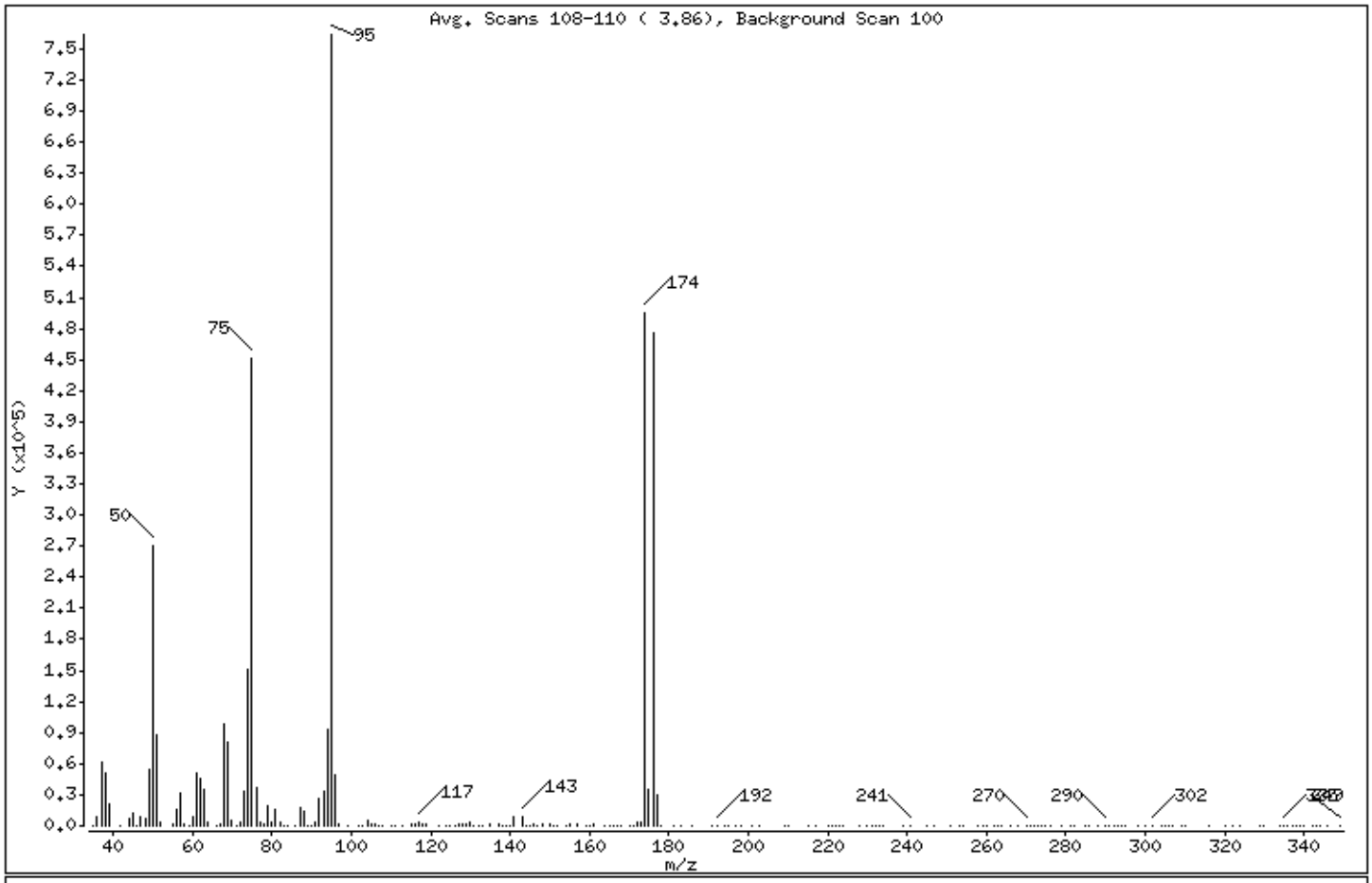
Volume Injected (uL): 1.0

Operator: db

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	35.41
75	30.00 - 60.00% of mass 95	59.15
96	5.00 - 9.00% of mass 95	6.37
173	Less than 2.00% of mass 174	0.51 (0.78)
174	50.00 - 100.00% of mass 95	64.79
175	5.00 - 9.00% of mass 174	4.59 (7.09)
176	95.00 - 101.00% of mass 174	62.36 (96.25)
177	5.00 - 9.00% of mass 176	3.89 (6.24)

Date : 10-JUL-2007 13:34

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: db

Column phase: Column diameter: 2.00

Data File: 5071003.d
Spectrum: Avg. Scans 108-110 (3.86), Background Scan 100
Location of Maximum: 95.00
Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	318	94.00	92992	164.00	305	264.00	236
36.00	9112	95.00	763776	165.00	301	266.00	126
37.00	61648	96.00	48616	166.00	378	268.00	243
38.00	50832	97.00	1695	167.00	206	270.00	635
39.00	20616	99.00	83	168.00	284	271.00	53
42.00	39	102.00	105	170.00	517	272.00	93
44.00	6766	103.00	756	171.00	684	273.00	355
45.00	12742	104.00	4630	172.00	2720	274.00	146
46.00	604	105.00	1076	173.00	3877	275.00	96
47.00	9365	106.00	2452	174.00	494848	276.00	167
48.00	7649	107.00	374	175.00	35072	279.00	142
49.00	54784	108.00	73	176.00	476288	281.00	391
50.00	270400	110.00	231	177.00	29704	282.00	212
51.00	88016	111.00	458	178.00	425	285.00	217
52.00	2959	113.00	769	181.00	141	286.00	62
55.00	2389	115.00	909	183.00	258	288.00	66
56.00	15492	116.00	2545	186.00	212	290.00	434
57.00	31136	117.00	3465	191.00	432	291.00	265
58.00	1400	118.00	2158	192.00	489	292.00	160
59.00	142	119.00	2090	194.00	113	293.00	203
60.00	8081	122.00	170	195.00	389	294.00	203
61.00	50392	124.00	485	197.00	106	295.00	161
62.00	46336	125.00	252	198.00	122	298.00	75
63.00	34744	126.00	769	201.00	407	300.00	107
64.00	3077	127.00	1303	203.00	194	302.00	398
66.00	59	128.00	2157	209.00	204	304.00	373
67.00	2468	129.00	1222	210.00	15	305.00	285
68.00	97688	130.00	3423	215.00	227	306.00	156
69.00	81592	131.00	851	217.00	150	307.00	250
70.00	6143	132.00	606	220.00	234	309.00	202
71.00	641	133.00	588	221.00	52	310.00	100
72.00	4089	135.00	1074	222.00	181	316.00	69
73.00	33136	137.00	2083	223.00	144	320.00	134
74.00	150912	138.00	391	224.00	61	322.00	60
75.00	451712	139.00	86	228.00	325	324.00	133

Date : 10-JUL-2007 13:34

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: db

Column phase: Column diameter: 2.00

Data File: 5071003.d
Spectrum: Avg. Scans 108-110 (3.86), Background Scan 100
Location of Maximum: 95.00
Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	36384	140.00	218	230.00	305	329.00	57
77.00	2970	141.00	8775	231.00	89	330.00	367
78.00	1769	143.00	9019	232.00	341	334.00	241
79.00	19952	144.00	151	233.00	495	335.00	533
80.00	3894	145.00	456	234.00	293	336.00	117
81.00	16416	146.00	1068	239.00	386	337.00	97
82.00	3137	147.00	245	241.00	587	338.00	211
83.00	735	148.00	2386	245.00	333	339.00	158
84.00	581	150.00	1234	247.00	93	340.00	79
86.00	462	151.00	686	251.00	191	342.00	76
87.00	18200	152.00	815	253.00	54	343.00	96
88.00	13756	154.00	699	254.00	328	344.00	517
89.00	98	155.00	1874	258.00	129	346.00	163
90.00	100	157.00	1478	259.00	132	349.00	54
91.00	2773	159.00	822	260.00	626		
92.00	26168	160.00	162	262.00	70		
93.00	33424	161.00	910	263.00	137		

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-11jul.b/5071101.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 11-JUL-2007 10:00
Operator : JG Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #843-2980;50 ng
Comment :
Method : /var/chem/msd5.i/5-11jul.b/bfb30.m
Meth Date : 11-Jul-2007 09:52 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.853	3.900	-0.047	95	1566798			100.00- 100.00	100.00
3.853	3.900	-0.047	50	566030			15.00- 40.00	36.13
3.853	3.900	-0.047	75	918976			30.00- 60.00	58.65
3.853	3.900	-0.047	96	108589			5.00- 9.00	6.93
3.853	3.900	-0.047	173	7963			0.00- 2.00	0.85
3.853	3.900	-0.047	174	937472			50.00- 100.00	59.83
3.853	3.900	-0.047	175	69301			5.00- 9.00	7.39
3.853	3.900	-0.047	176	921109			95.00- 101.00	98.25
3.853	3.900	-0.047	177	57408			5.00- 9.00	6.23

Data File: /var/chem/msd5.i/5-11jul.b/5071101.d

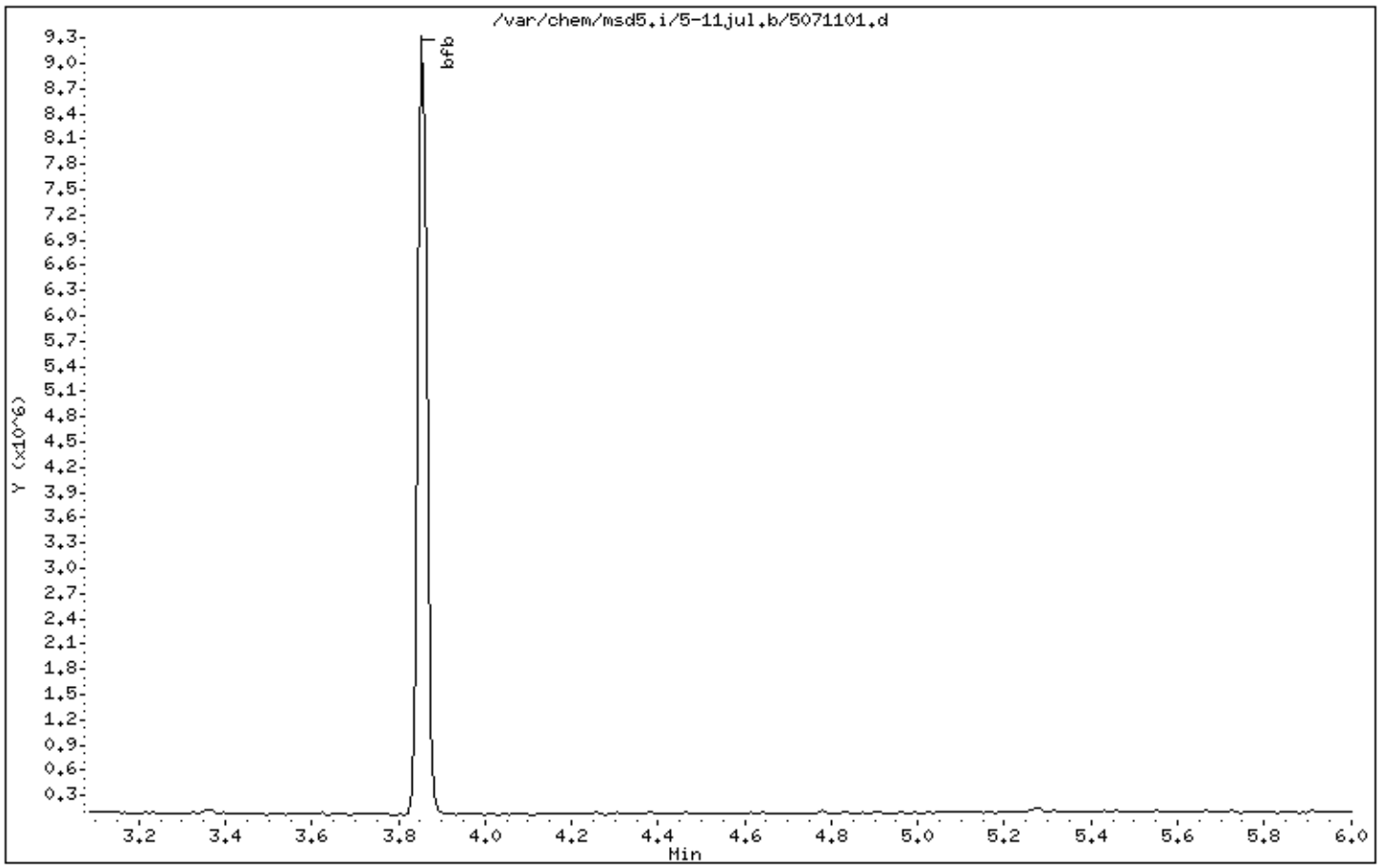
Date : 11-JUL-2007 10:00

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: JG

Column phase: Column diameter: 2.00



Data File: /var/chem/msd5.i/5-11jul.b/5071101.d

Date : 11-JUL-2007 10:00

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

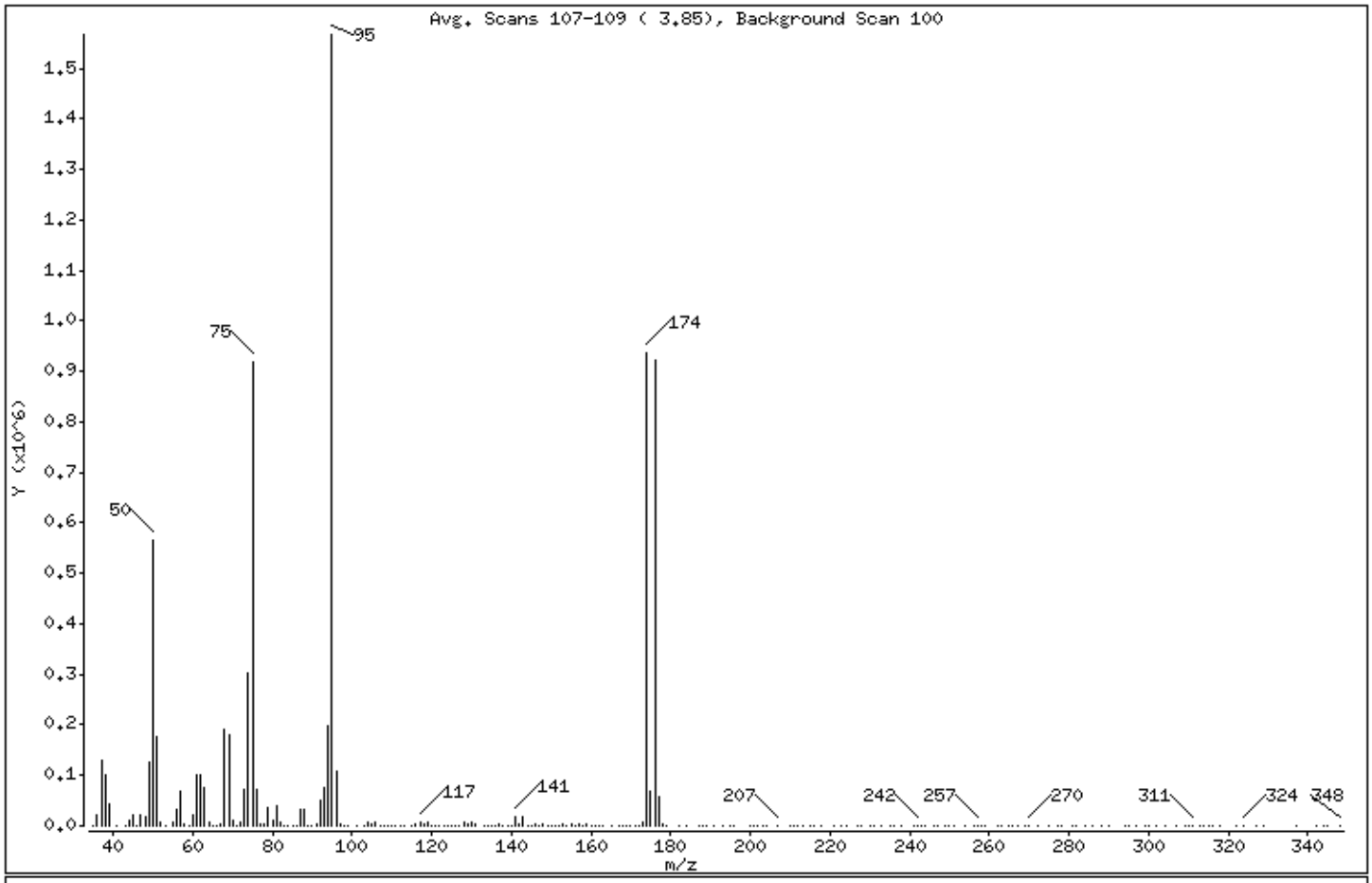
Volume Injected (uL): 1.0

Operator: JG

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	36.13
75	30.00 - 60.00% of mass 95	58.65
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.51 (0.85)
174	50.00 - 100.00% of mass 95	59.83
175	5.00 - 9.00% of mass 174	4.42 (7.39)
176	95.00 - 101.00% of mass 174	58.79 (98.25)
177	5.00 - 9.00% of mass 176	3.66 (6.23)

Date : 11-JUL-2007 10:00

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: JG

Column phase: Column diameter: 2.00

Data File: 5071101.d
Spectrum: Avg. Scans 107-109 (3.85), Background Scan 100
Location of Maximum: 95.00
Number of points: 225

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	393	95.00	1566720	156.00	326	243.00	150
36.00	20480	96.00	108584	157.00	3293	244.00	102
37.00	128384	97.00	3673	158.00	410	246.00	53
38.00	102464	98.00	419	159.00	1827	247.00	95
39.00	41808	99.00	214	160.00	794	249.00	316
41.00	91	101.00	382	161.00	1763	250.00	295
43.00	637	103.00	1206	162.00	293	251.00	269
44.00	12188	104.00	5523	163.00	485	254.00	75
45.00	21352	105.00	2248	165.00	227	256.00	150
46.00	335	106.00	5535	167.00	498	257.00	396
47.00	20600	107.00	1297	168.00	1097	258.00	222
48.00	18104	108.00	135	169.00	943	259.00	162
49.00	125528	109.00	268	170.00	1260	262.00	150
50.00	566016	110.00	683	171.00	880	263.00	152
51.00	177216	111.00	816	172.00	966	265.00	351
52.00	6333	112.00	209	173.00	7963	266.00	134
53.00	567	113.00	1321	174.00	937472	267.00	24
55.00	6296	115.00	1663	175.00	69296	269.00	60
56.00	33336	116.00	4813	176.00	921088	270.00	466
57.00	67192	117.00	7495	177.00	57408	272.00	52
58.00	1900	118.00	4076	178.00	2019	275.00	77
59.00	564	119.00	7048	179.00	184	277.00	427
60.00	20576	120.00	392	182.00	254	278.00	153
61.00	100352	121.00	553	184.00	132	281.00	347
62.00	99680	122.00	205	187.00	79	282.00	190
63.00	75792	123.00	713	188.00	311	284.00	31
64.00	6245	124.00	845	189.00	520	286.00	186
65.00	646	125.00	314	191.00	462	288.00	186
66.00	384	126.00	8	193.00	97	290.00	178
67.00	3757	127.00	578	195.00	1	294.00	73
68.00	189760	128.00	6359	196.00	8	295.00	182
69.00	180992	129.00	1929	200.00	92	297.00	282
70.00	12530	130.00	5890	201.00	282	299.00	59
71.00	748	131.00	1995	202.00	299	300.00	221
72.00	8264	133.00	48	203.00	300	302.00	218

Date : 11-JUL-2007 10:00

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: JG

Column phase: Column diameter: 2.00

Data File: 5071101.d
Spectrum: Avg. Scans 107-109 (3.85), Background Scan 100
Location of Maximum: 95.00
Number of points: 225

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	73360	134.00	514	204.00	267	304.00	97
74.00	301568	135.00	1376	207.00	730	307.00	207
75.00	918976	136.00	190	210.00	212	309.00	326
76.00	72008	137.00	2892	211.00	319	310.00	163
77.00	5189	138.00	421	212.00	86	311.00	381
78.00	3999	139.00	625	213.00	347	313.00	185
79.00	37096	140.00	1118	215.00	165	314.00	123
80.00	9260	141.00	16720	216.00	85	315.00	133
81.00	41168	142.00	2035	218.00	78	316.00	204
82.00	7653	143.00	16472	221.00	284	318.00	87
83.00	639	144.00	739	223.00	80	322.00	292
84.00	163	145.00	1332	224.00	150	324.00	381
85.00	26	146.00	2988	227.00	125	327.00	322
86.00	870	147.00	447	228.00	66	329.00	153
87.00	33600	148.00	4383	230.00	162	337.00	78
88.00	32616	149.00	1053	231.00	69	342.00	170
89.00	586	150.00	1151	233.00	169	344.00	15
90.00	251	151.00	759	235.00	315	345.00	292
91.00	4783	152.00	1046	236.00	132	348.00	74
92.00	49640	153.00	1815	238.00	96		
93.00	74672	154.00	1705	241.00	60		
94.00	196672	155.00	3517	242.00	423		

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: Mr. Brian McCarthy
FAX #: 860-368-5307
FROM: Sample Receiving
Workorder #: 0707015
# of pages (Including Cover): 1

7/19/2007

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

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

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

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

0198

Project Manager Karen Schwartz

Collected by: (Print and Sign) Nicholas George Nicholas George

Company GEI Consultants Inc Email ____

Address 455 Windingbrook Dr City Glastonbury State CT Zip 06033

Phone 860 368 5300 Fax 860 368 5307

Project Info:
P.O. # ____
Project # 061140-8-1703
Project Name Bay Shore

Turn Around Time:
☐ Normal
☐ Rush
____ specify

Lab Use Only
Pressurized by: BS
Date: 7/3/07
Pressurization Gas: (N) He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	UWAMS-5	22500	6/28/07	1440	TO 15 + Naph	-30+	-8	7.5"Hg	5 psi
02A	DWAMS-2	4224	6/28/07	1445	TO 15 + Naph	-30+	-8	9.0"Hg	V

Relinquished by: (signature) Nicholas George 06/29/07 1450 Date/Time
Received by: (signature) Monica Gregson ATL 7/2/07 Date/Time

Notes:

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	861758707767	NA	Good	Yes No (None)	0707015

Form 1233 rev 11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0707015

Client

Mr. Brian McCarthy
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Phone

860-368-5300

Fax

860-368-5307

Date Promised: 07/17/07
Date Completed: 7/16/07
Date Received: 7/2/07
PO#: NR
Project#: 061140-8-1703 Bayshore

Sales Rep: JLJ

Total $: $ 624.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UWAMS-5	Modified TO-15	6/28/2007	7.5 "Hg	$225.00
02A	DWAMS-2	Modified TO-15	6/28/2007	9.0 "Hg	$225.00
02AA	DWAMS-2 Lab Duplicate	Modified TO-15	6/28/2007	9.0 "Hg	$0.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each.	$100.00
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00
	Fuel Surcharge (2) @ $2.00 each.	$4.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Keyspan -Bayshore/6575

BILL TO: Mr. Brian McCarthy
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0707015

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

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

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

☑	☐	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☐	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
	☐	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	☐	☐			TICs resemble reference spectra
	☐	☐			TICs between duplicate samples are consistent
☑	☐	☐	☑		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 (N2 or He) ☐ Tedlar Bag only
☑	☑				Final pressure consistent with canister size (6L vs. 1L)
☑	☐	☑			Verify receipt pressures against logbook and Target
☑	☐	☑			Verify canister ID #'s
	☑		☑		Extra printed copies are provided per client profile
	☑		☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☑	☐	☑	☐	Client LUMEN report reviewed for accuracy and completeness

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

A/R: Dup on 02A

ø out in CCV, LCS

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
7/12/07	R 7/16/07	7/16/07	

T:

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 03/29/05

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

Not Applicable