
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 #: 0707238

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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	7/31/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707238

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1 Barrier Wall Air Monitoring
DATE RECEIVED:	07/13/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	07/25/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	DW AMS3 7/11/07	Modified TO-15	8.5 "Hg
02A	Lab Blank	Modified TO-15	NA
03A	CCV	Modified TO-15	NA
04A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 07/25/07

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# 0707238

One 6 Liter Summa Canister sample was received on July 13, 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
DW AMS3 7/11/07	0707238-01A	7/11/2007	7/13/2007	NA	8	7/19/2007	NA	Good
Lab Blank	0707238-02A	NA	NA	NA	NA	7/18/2007	NA	Good
CCV	0707238-03A	NA	NA	NA	NA	7/18/2007	NA	Good
LCS	0707238-04A	NA	NA	NA	NA	7/18/2007	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: DW AMS3 7/11/07

Lab ID#: 0707238-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.94	1.6	3.5	6.0
Acetone	3.7	5.7	8.9	14

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS3 7/11/07

Lab ID#: 0707238-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071826**	**Date of Collection:**	**7/11/07**
Dil. Factor:	**1.87**	**Date of Analysis:**	**7/19/07 08:21 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.94	Not Detected	4.6	Not Detected
Freon 114	0.94	Not Detected	6.5	Not Detected
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
Bromomethane	0.94	Not Detected	3.6	Not Detected
Chloroethane	0.94	Not Detected	2.5	Not Detected
Freon 11	0.94	Not Detected	5.2	Not Detected
1,1-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Freon 113	0.94	Not Detected	7.2	Not Detected
Methylene Chloride	0.94	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.94	Not Detected	3.8	Not Detected
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Chloroform	0.94	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Carbon Tetrachloride	0.94	Not Detected	5.9	Not Detected
Benzene	0.94	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.94	Not Detected	3.8	Not Detected
Trichloroethene	0.94	Not Detected	5.0	Not Detected
1,2-Dichloropropane	0.94	Not Detected	4.3	Not Detected
cis-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
Toluene	0.94	1.6	3.5	6.0
trans-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Tetrachloroethene	0.94	Not Detected	6.3	Not Detected
1,2-Dibromoethane (EDB)	0.94	Not Detected	7.2	Not Detected
Chlorobenzene	0.94	Not Detected	4.3	Not Detected
Ethyl Benzene	0.94	Not Detected	4.0	Not Detected
m,p-Xylene	0.94	Not Detected	4.1	Not Detected
o-Xylene	0.94	Not Detected	4.1	Not Detected
Styrene	0.94	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.94	Not Detected	6.4	Not Detected
1,3,5-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,2,4-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
alpha-Chlorotoluene	0.94	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,3-Butadiene	0.94	Not Detected	2.1	Not Detected
Hexane	0.94	Not Detected	3.3	Not Detected
Cyclohexane	0.94	Not Detected	3.2	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS3 7/11/07

Lab ID#: 0707238-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071826**	**Date of Collection: 7/11/07**	
Dil. Factor:	**1.87**	**Date of Analysis: 7/19/07 08:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.94	Not Detected	3.8	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
Chloromethane	3.7	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
Acetone	3.7	5.7	8.9	14
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Naphthalene	3.7	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-18jul.b/8071826.d
Lab Smp Id: 0707238-01A
Inj Date : 19-JUL-2007 08:21
Operator : lmr Inst ID: msd8.i
Smp Info : 200mL #33902
Misc Info : 8.5"Hg -> 5psi
Comment :
Method : /chem/msd8.i/8-18jul.b/t14q530c.m
Meth Date : 18-Jul-2007 14:46 ctaylor Quant Type: ISTD
Cal Date : 17-JUL-2007 10:39 Cal File: 8071704.d
Als bottle: 1
Dil Factor: 1.87000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	285520	25.0000		80.00- 120.00	100.00
7.387	7.387 (1.000)	128	224323			48.05- 108.05	78.57
7.387	7.387 (1.000)	49	450123			118.02- 178.02	157.65
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1276403	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	189668			0.00- 44.86	14.86
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	930649	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	521420			0.00- 30.00	56.03
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	429579	28.7473	28.747	80.00- 120.00	100.00
8.465	8.465 (1.146)	67	220173			0.00- 30.00	51.25
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1026492	23.2298	23.230	80.00- 120.00	100.00
12.115	12.115 (1.307)	70	107201			0.00- 30.00	10.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	670057			0.00- 30.00	65.28
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	569234	25.7073	25.707	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	708306			89.97- 149.97	124.43
16.207	16.207 (1.112)	176	537960			66.56- 126.56	94.51
30 Acetone					CAS #: 67-64-1		
4.152	4.124 (0.562)	58	29973	3.06334	5.728	80.00- 120.00	100.00
4.152	4.124 (0.562)	43	87538			0.00- 30.00	292.06
105 Toluene					CAS #: 108-88-3		
12.225	12.225 (1.319)	91	49960	0.85251	1.594	80.00- 120.00	100.00
12.225	12.225 (1.319)	92	26616			29.28- 89.28	53.27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071826.d
Lab Smp Id: 0707238-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: 8.5"Hg -> 5psi

Calibration Date: 18-JUL-2007
Calibration Time: 09:34
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	333126	199876	466376	285520	-14.29
88 1,4-Difluorobenze	1394778	836867	1952689	1276403	-8.49
125 Chlorobenzene-d5	1020784	612470	1429098	930649	-8.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-18jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0707238-01A
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT04+NA-2.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: 8.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	28.747	114.99	70-130
$ 104 Toluene-d8	25.000	23.230	92.92	70-130
$ 140 Bromofluorobenzene	25.000	25.707	102.83	70-130

Data File: /chem/msd8.i/8-18jul.b/8071826.d

Date : 19-JUL-2007 08:21

Client ID:

Sample Info: 200mL #33902

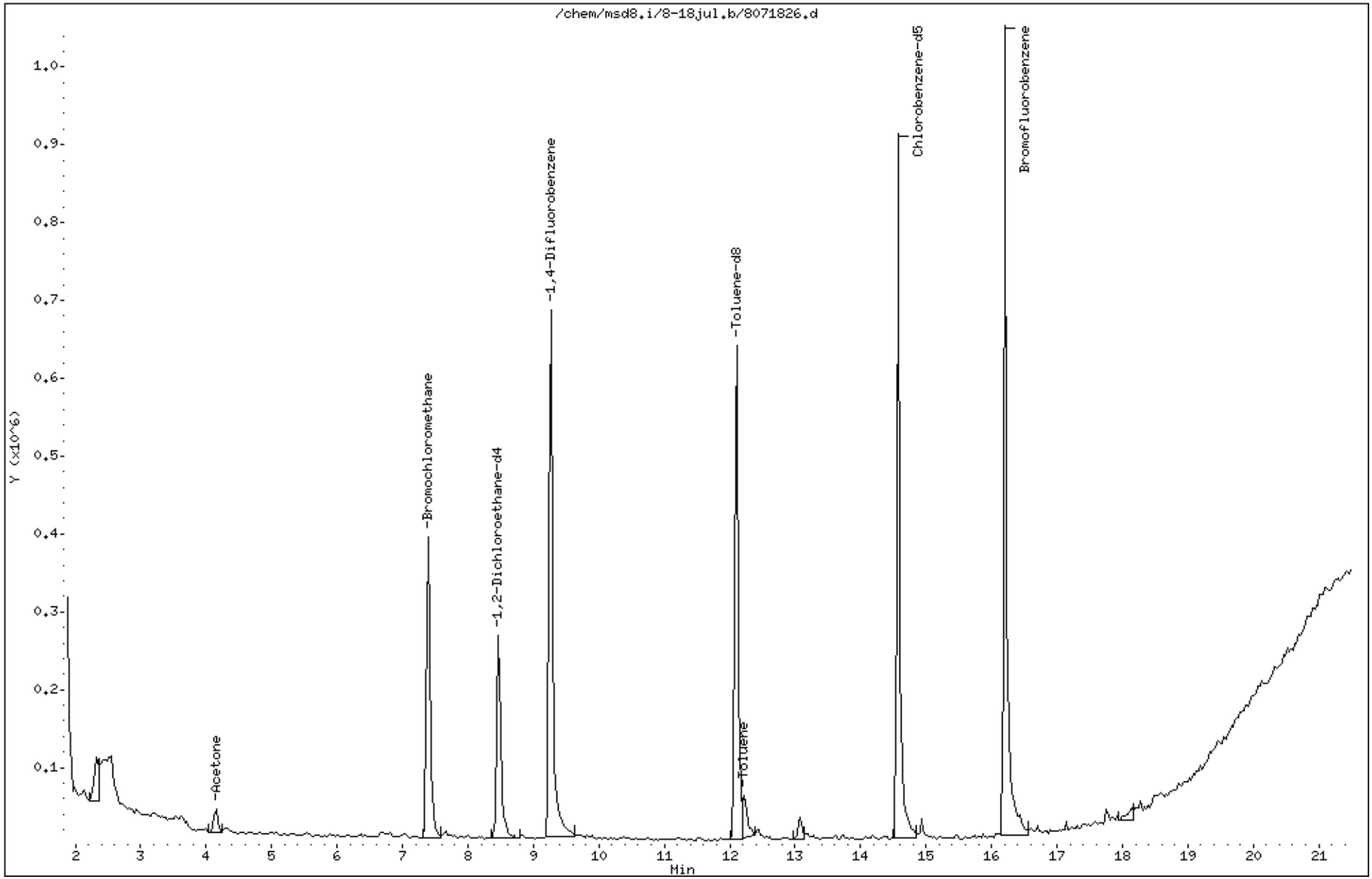
Column phase: RTx-624

Instrument: msd8.i

Operator: lmr

Column diameter: 0.53

0013



Data File: /chem/msd8.i/8-18jul.b/8071826.d

Date : 19-JUL-2007 08:21

Client ID:

Instrument: msd8.i

Sample Info: 200mL #33902

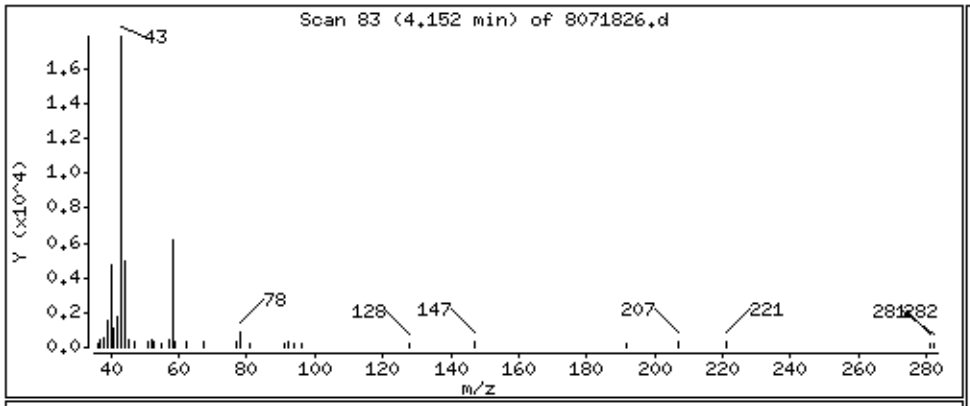
Operator: lmr

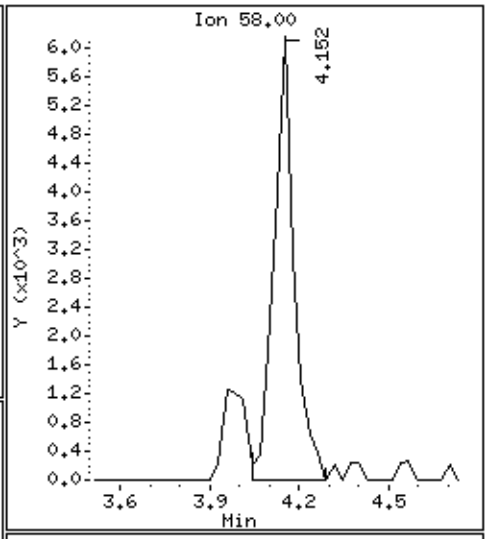
Column phase: RTx-624

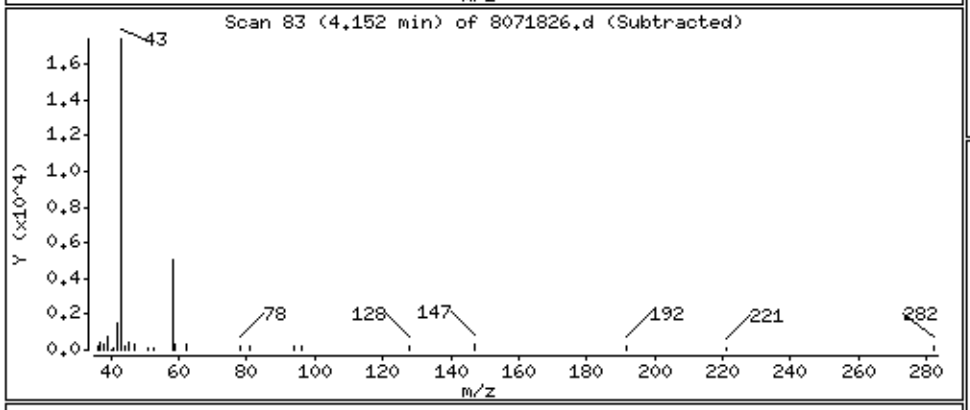
Column diameter: 0.53

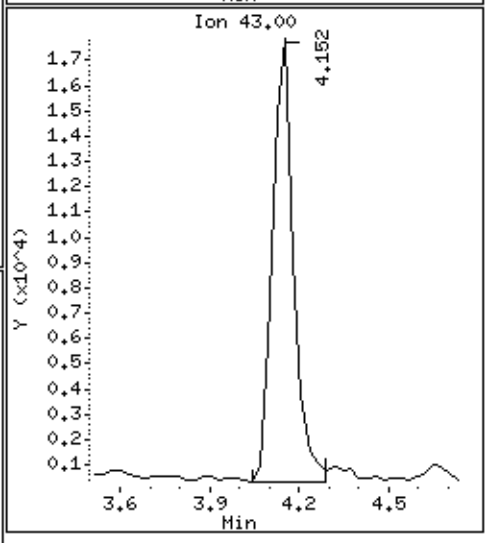
30 Acetone

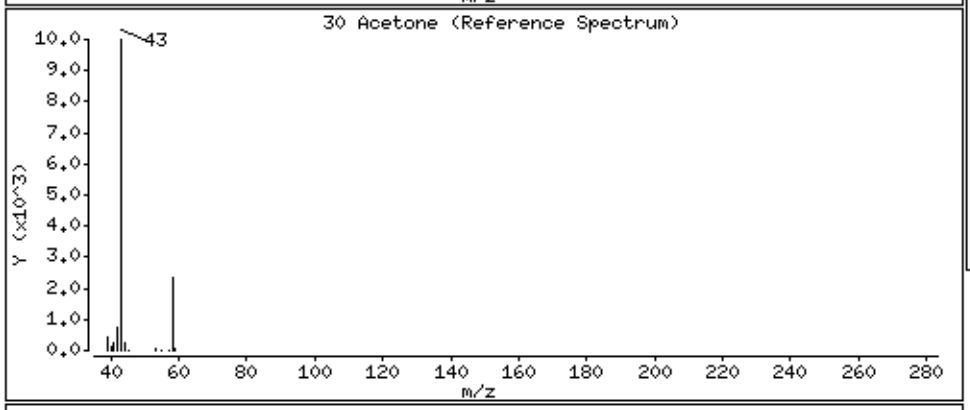
Concentration: 5.728 PPBV

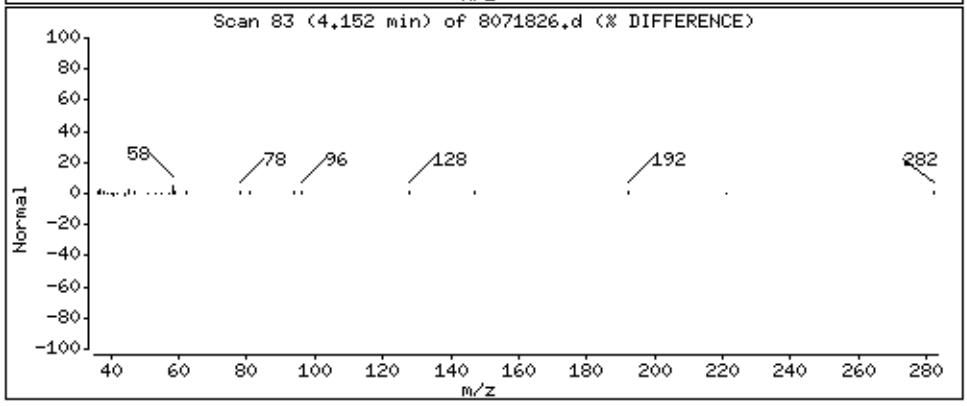












Data File: /chem/msd8.i/8-18jul.b/8071826.d

Date : 19-JUL-2007 08:21

Client ID:

Instrument: msd8.i

Sample Info: 200mL #33902

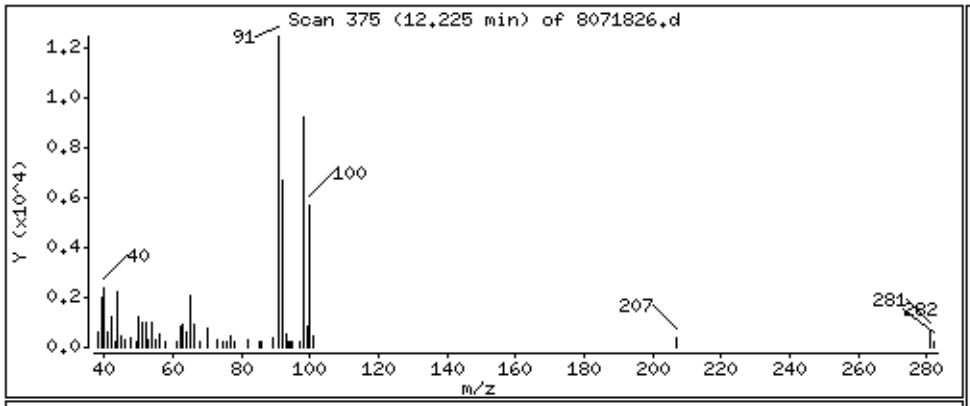
Operator: lmr

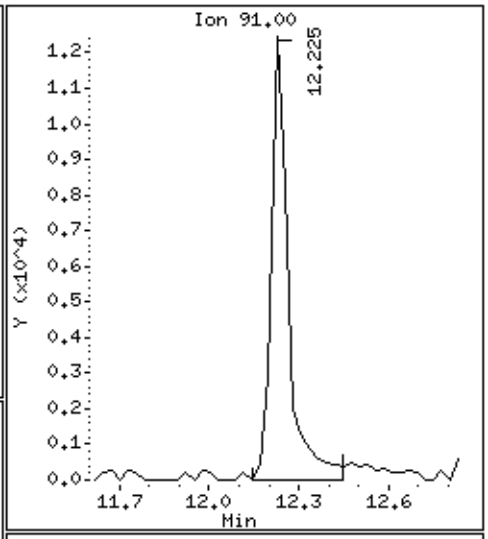
Column phase: RTx-624

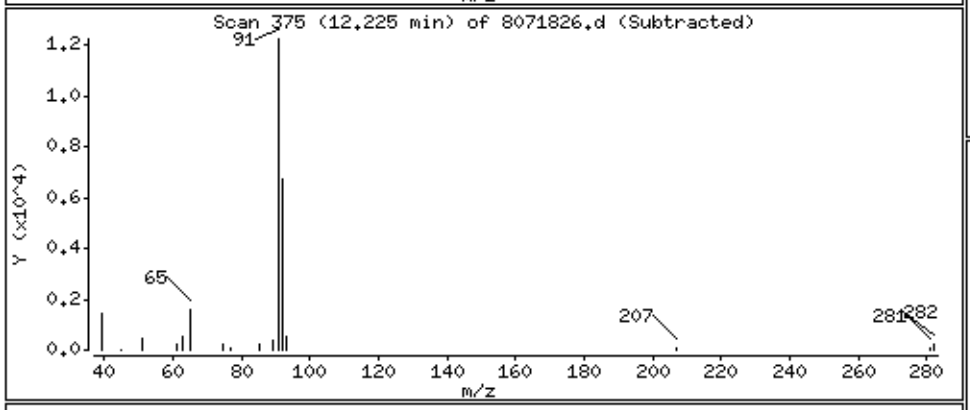
Column diameter: 0.53

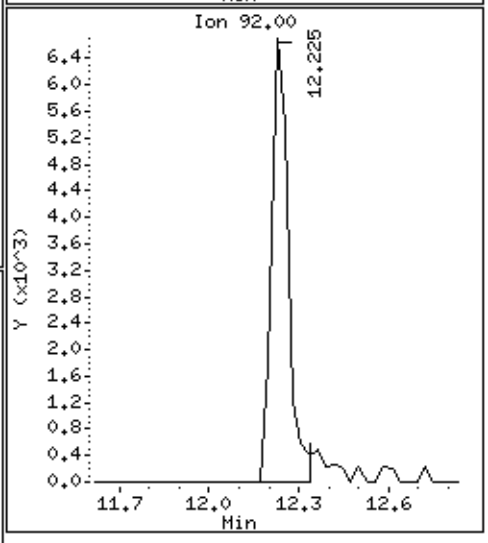
105 Toluene

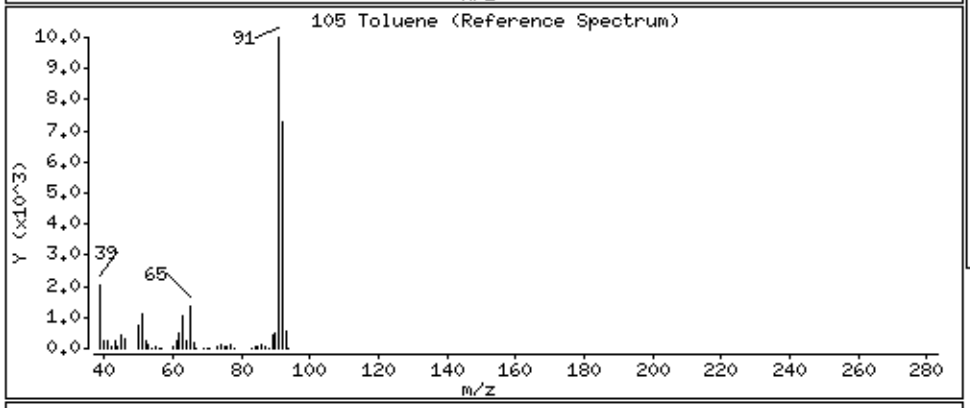
Concentration: 1.594 PPBV

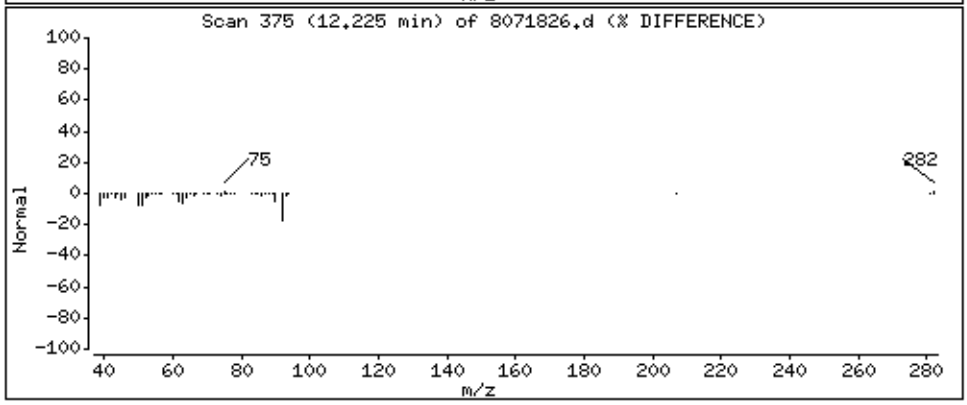












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707238-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 01:37 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#: 0707238-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 01:37 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	95	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-18jul.b/8071806.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 18-JUL-2007 13:37
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #13673
Misc Info : Cart Cert #7,leg 8
Comment :
Method : /chem/msd8.i/8-18jul.b/t14q530c.m
Meth Date : 18-Jul-2007 10:55 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 10:39 Cal File: 8071704.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
* 68 Bromochloromethane						CAS #: 74-97-5		
7.387	7.387 (1.000)	130	287334	25.0000			80.00- 120.00	100.00
7.387	7.387 (1.000)	128	215711				48.05- 108.05	75.07
7.387	7.387 (1.000)	49	426465				118.02- 178.02	148.42
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1159577	25.0000			80.00- 120.00	100.00
9.267	9.267 (1.000)	88	173125				0.00- 44.86	14.93
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	830915	25.0000			80.00- 120.00	100.00
14.576	14.576 (1.000)	82	480832				0.00- 30.00	57.87
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	431814	28.7144	28.714		80.00- 120.00	100.00
8.465	8.465 (1.146)	67	205881				0.00- 30.00	47.68
$ 104 Toluene-d8						CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	953297	23.7468	23.747		80.00- 120.00	100.00
12.115	12.115 (1.307)	70	103773				0.00- 30.00	10.89

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	609246			0.00- 30.00	63.91
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	498196	25.1997	25.200	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	622518			89.97- 149.97	124.95
16.207	16.207 (1.112)	176	476491			66.56- 126.56	95.64

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071806.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: Cart Cert #7,leg 8

Calibration Date: 18-JUL-2007
Calibration Time: 09:34
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	333126	199876	466376	287334	-13.75
88 1,4-Difluorobenze	1394778	836867	1952689	1159577	-16.86
125 Chlorobenzene-d5	1020784	612470	1429098	830915	-18.60

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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: 18-Jul-2007 13:46

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-18jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT04+NA-2.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: Cart Cert #7,leg 8

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	28.714	114.86	70-130
$ 104 Toluene-d8	25.000	23.747	94.99	70-130
$ 140 Bromofluorobenzene	25.000	25.200	100.80	70-130

Data File: /chem/msd8.i/8-18jul.b/8071806.d

Date : 18-JUL-2007 13:37

Client ID: Lab Blank

Sample Info: 200ml #13673

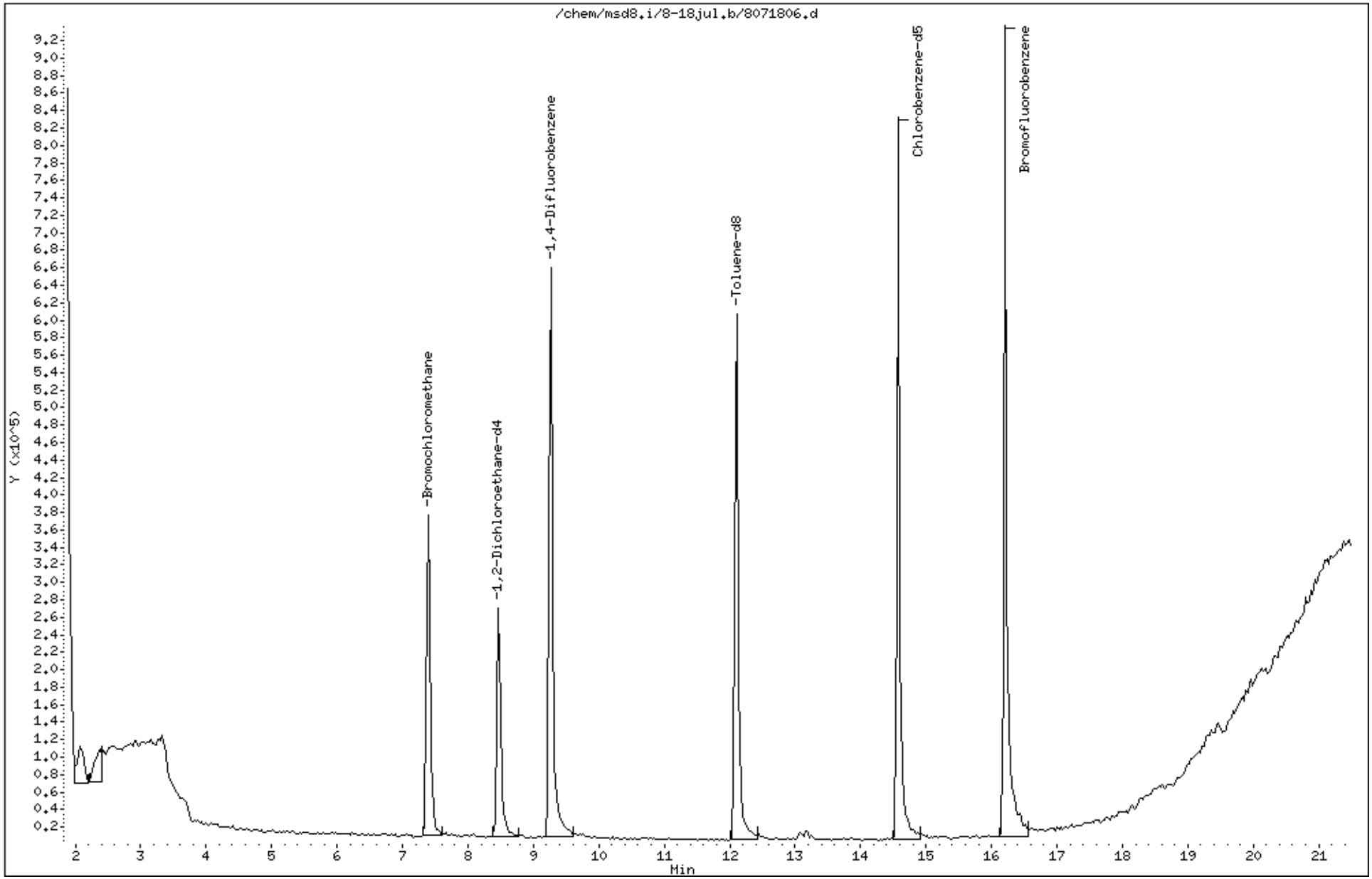
Column phase: RTx-624

Instrument: msd8.i

Operator: lmr

Column diameter: 0.53

0023



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0707238

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	DW AMS3 7/11/07	115		93		103				0
02	Lab Blank	115		95		101				0
03	CCV	112		95		107				0
04	LCS	114		100		110				0
05										0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0707238
Lab File ID: 8071802.d
Date Analyzed: 07/18/2007
Instrument ID: msd8.i
Time Analyzed: 09:34 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1020784		14.58		1394778		9.27		333126		7.39	
	UPPER LIMIT	1429098		14.91		1952689		09.60		466376		07.72	
	LOWER LIMIT	612470		14.25		836867		08.94		199876		07.06	
	CLIENT SAMPLE NO												
01	DW AMS3 7/11/07	930649		14.58		1276403		9.27		285520		7.39	
02	Lab Blank	830915		14.58		1159577		9.27		287334		7.39	
03	CCV	1020784		14.58		1394778		9.27		333126		7.39	
04	LCS	793627		14.58		1122654		9.27		263580		7.39	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd8.i/8-30may.b/8053003.d
Level 2: /chem/msd8.i/8-30may.b/8053004.d
Level 3: /chem/msd8.i/8-17jul.b/8071702.d
Level 4: /chem/msd8.i/8-30may.b/8053006.d
Level 5: /chem/msd8.i/8-17jul.b/8071703.d
Level 6: /chem/msd8.i/8-30may.b/8053008.d
Level 7: /chem/msd8.i/8-17jul.b/8071704.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Freon 152a	+++++	+++++	0.98763	+++++	0.78978	+++++	0.82069	0.86603	12.290
2 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Propylene	+++++	+++++	1.92982	1.31817	1.20253	1.15722	1.15784	1.35311	24.315
4 Dichlorodifluoromethane/Fr12	+++++	4.22735	4.02658	3.34137	3.02222	2.98122	2.95137	3.42502	16.496
5 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 114	+++++	3.61995	3.07946	3.11187	3.01070	2.87973	2.86380	3.09425	8.944
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
8 Chloromethane	+++++	+++++	1.76358	1.64915	1.55747	1.49684		
	1.41963						1.57733	8.482
9 Butane	+++++	+++++	0.49593	0.43121	0.39247	0.36498		
	0.37508						0.41193	12.942
10 1,3-Butadiene	+++++	2.12647	1.72912	1.45627	1.41158	1.30372		
	1.37941						1.56776	19.767
11 Vinyl Chloride	+++++	2.34753	1.85221	1.78079	1.74379	1.63245		
	1.64028						1.83284	14.500
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
13 Bromomethane	+++++	1.25815	1.19877	1.26616	1.22534	1.19166		
	1.20683						1.22449	2.562
14 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
15 Isopentane	+++++	+++++	2.38563	2.37944	2.25961	2.17613		
	2.24216						2.28859	3.988
16 Chloroethane	+++++	1.10636	1.03490	0.98458	0.94664	0.86976		
	0.87782						0.97001	9.461
17 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
18 Trichlorofluoromethane/Fr11	+++++	4.06616	4.21652	3.95963	3.78415	3.62588		
	3.70548						3.89297	5.829
19 Pentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
20 Freon123a	+++++	+++++	1.38653	+++++	1.32725	+++++		
	1.29778						1.33719	3.380
21 Freon123	+++++	+++++	0.86166	+++++	0.84444	+++++		
	0.82221						0.84277	2.347
22 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
23 Ethanol	+++++	+++++	0.67753	0.66346	0.60794	0.58208		
	0.57722						0.62165	7.458
24 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
26 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
27 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
28 Freon 113	+++++	2.88068	2.79775	2.60107	2.43015	2.35327		
	2.39146						2.57573	8.639
29 1,1-Dichloroethene	+++++	2.86789	2.72869	2.56996	2.43351	2.34903		
	2.39867						2.55796	8.009
30 Acetone	+++++	+++++	0.98245	0.85434	0.84281	0.79818		
	0.80581						0.85672	8.662
31 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
32 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
33 Carbon Disulfide	+++++	5.58896	4.86914	4.79052	4.54598	4.41760		
	4.55167						4.79398	8.848
34 2-Propanol	+++++	+++++	3.63428	3.09423	2.96019	2.88102		
	2.91819						3.09759	10.029
35 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
36 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
37 3-Chloropropene	+++++	+++++	0.72576	0.81455	0.78451	0.74233		
	0.75685						0.76480	4.602

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 tert-Butyl-Alcohol	+++++	+++++	2.34446	+++++	1.73073	+++++	1.15203	1.74241	34.223
39 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Methylene Chloride	+++++	2.26332	2.02799	1.90951	1.82855	1.72749	1.73362	1.91508	10.692
41 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 MTBE	+++++	2.59067	2.19752	3.17887	2.96468	2.80744	2.60253	2.72362	12.521
44 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 trans-1,2-Dichloroethene	+++++	2.19087	1.99693	1.72203	1.68636	1.61571	1.64843	1.81006	12.764
46 Hexane	+++++	2.79408	2.70048	2.72277	2.82995	2.58163	2.84275	2.74528	3.582
47 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
48 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
49 Isopropyl ether	+++++	+++++	4.44068	+++++	4.38024	+++++		
	4.25213						4.35768	2.209
50 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
52 1-Propanol	+++++	+++++	0.33412	+++++	0.29773	+++++		
	0.31039						0.31408	5.881
53 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 1,1-Dichloroethane	+++++	2.90490	3.23579	2.99995	2.89542	2.78581		
	2.88219						2.95068	5.266
55 Vinyl Acetate	+++++	+++++	0.40978	0.42041	0.40294	0.41753		
	0.43205						0.41654	2.650
56 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
57 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 Ethyl-tert-butyl Ether	+++++	+++++	2.61890	+++++	3.32619	+++++	2.78316	2.90942	12.723
59 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	1.57293	+++++	1.83178	+++++	1.79327	1.73266	8.061
61 Ethyl Acetate	+++++	+++++	0.39734	+++++	0.37435	+++++	0.36735	0.37968	4.133
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 cis-1,2-Dichloroethene	+++++	3.03723	2.36908	2.27992	2.14250	2.06765	2.11545	2.33530	15.487
65 2-Butanone	+++++	1.00709	0.85028	0.78676	0.77311	0.76198	0.79178	0.82850	11.187
66 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Tetrahydrofuran	+++++	2.62724	2.20335	2.11722	2.03416	1.93041	2.00841	2.15347	11.624

Air Toxics Ltd.

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
69 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
70 Chloroform	4.52339	3.38269	2.97755	2.93420	2.84544	2.73693		
	2.82903						3.17561	19.826
71 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
72 1,1-Dichloropropene	+++++	+++++	0.88250	+++++	0.59017	+++++		
	0.58145						0.68471	25.026
73 Cyclohexane	+++++	3.13955	2.37507	2.38858	2.29135	2.22343		
	2.27273						2.44845	14.063
74 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
75 1,1,1-Trichloroethane	+++++	3.69058	3.04827	3.03489	2.94955	2.87166		
	2.95670						3.09194	9.709
76 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
77 Carbon Tetrachloride	+++++	2.95018	2.47054	2.94416	2.84417	2.79886		
	2.87341						2.81355	6.321
78 Isobutanol	+++++	+++++	0.27113	+++++	0.29573	+++++		
	0.29396						0.28694	4.783

Air Toxics Ltd.

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
79 tert-amyl-Methyl Ether	+++++	+++++	2.60292	+++++	2.98159	+++++	2.39754	2.66068	11.136
80 2,2,4-Trimethylpentane	+++++	7.83756	7.57621	7.24629	6.93326	6.86073	7.40163	7.30928	5.139
81 Benzene	1.46711	1.32521	1.13921	1.09388	1.07898	1.04564	1.09326	1.17761	13.352
83 1,2-Dichloroethane	+++++	0.56444	0.46007	0.44951	0.43040	0.41345	0.43142	0.45822	11.897
84 Thiopene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Heptane	+++++	0.19081	0.11421	0.11021	0.10683	0.10369	0.10755	0.12222	27.645
86 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 1-Butanol	+++++	+++++	0.22243	+++++	0.24711	+++++	0.26464	0.24472	8.665
90 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Target Version : 3.50
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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
91 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
92 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
93 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
94 Trichloroethene	+++++	0.53286	0.44939	0.44327	0.42705	0.41017		
	0.42267						0.44757	9.860
95 Methyl Cyclohexane	+++++	3.26599	3.09517	3.05667	2.96150	2.88311		
	3.03942						3.05031	4.263
96 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
97 1,2-Dichloropropane	+++++	0.42737	0.43013	0.38160	0.37306	0.36109		
	0.37514						0.39140	7.588
98 1,4-Dioxane	+++++	+++++	0.24770	0.24197	0.23695	0.23009		
	0.23692						0.23873	2.747
99 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
100 Bromodichloromethane	+++++	0.73233	0.64459	0.64531	0.63931	0.61664		
	0.64404						0.65370	6.123

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
101 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
102 cis-1,3-Dichloropropene	+++++	0.61851	0.52709	0.53649	0.53068	0.51575		
	0.53501						0.54392	6.854
103 4-Methyl-2-pentanone	+++++	0.28397	0.30418	0.29328	0.29702	0.29012		
	0.29696						0.29426	2.342
105 Toluene	+++++	1.25780	1.14795	1.11923	1.10994	1.09416		
	1.15787						1.14782	5.129
106 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
108 trans-1,3-Dichloropropene	+++++	0.75878	0.70145	0.71553	0.72836	0.71539		
	0.72913						0.72478	2.694
109 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 1,1,2-Trichloroethane	+++++	0.66231	0.52902	0.51019	0.50076	0.48912		
	0.49787						0.53155	12.321
111 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
112 Tetrachloroethene	+++++	0.78343	0.74920	0.69887	0.69664	0.69067		
	0.69773						0.71942	5.283
113 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
114 2-Hexanone	+++++	+++++	0.43444	0.53187	0.55055	0.54304		
	0.57353						0.52669	10.210
115 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
116 Dibromochloromethane	+++++	0.85044	0.79992	0.81291	0.82663	0.84072		
	0.86764						0.83304	2.990
117 1,2-Dibromoethane	+++++	0.89396	0.80560	0.78590	0.79637	0.78944		
	0.78833						0.80993	5.158
118 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Decane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
120 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
121 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
122 Dicyclopentadiene	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
123 1,1,1,2-Tetrachloroethane	*****	*****	0.73320	*****	0.52415	*****		
	0.51324						0.59020	21.004
124 D-Limonene	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
126 Chlorobenzene	*****	1.22227	1.44203	1.24119	1.25172	1.24989		
	1.29500						1.28368	6.323
127 Bis(2-chloroethyl) ether	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
128 Nonane	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
129 Ethyl Benzene	*****	0.80931	0.66703	0.64128	0.64323	0.65061		
	0.66455						0.67934	9.504
130 m,p-Xylene	*****	0.84552	0.85011	0.79451	0.81241	0.81316		
	0.85120						0.82782	2.919
131 Undecane	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
132 o-Xylene	*****	0.91319	0.84572	0.80595	0.81315	0.80154		
	0.83252						0.83535	4.986

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Method file : /chem/msd8.i/8-17jul.b/t14q530c.m
Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
133 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
134 Styrene	1.11092	1.18281	1.11362	1.12817	1.19071	1.22490		
	1.30443						1.17936	5.944
135 Bromoform	+++++	0.63208	0.65434	0.73553	0.76857	0.78441		
	0.82156						0.73275	10.236
136 Cyclohexanone	+++++	+++++	0.55672	+++++	0.57050	+++++		
	0.58931						0.57218	2.859
137 Cumene	2.79880	2.40146	2.35517	2.21000	2.28171	2.31208		
	2.13898						2.35689	9.067
138 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
139 Bromobenzene	+++++	+++++	0.78338	+++++	0.51035	+++++		
	0.51823						0.60399	25.731
141 1,2,3-Trichloropropane	+++++	+++++	0.34671	+++++	0.26262	+++++		
	0.26040						0.28991	16.973
142 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
143 2-Chlorotoluene	+++++	+++++	0.61100	+++++	0.43477	+++++		
	0.42793						0.49123	21.125

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Cal Date : 17-Jul-2007 20:35 lrandolp
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
144 1,1,2,2-Tetrachloroethane	+++++	1.33097	1.23407	1.15272	1.19774	1.19102		
	1.22319						1.22162	4.962
145 Propylbenzene	+++++	2.82083	2.74232	2.62546	2.75408	2.80075		
	1.94674						2.61503	12.788
146 4-Chlorotoluene	+++++	+++++	0.59050	+++++	0.36712	+++++		
	0.37182						0.44314	28.802
147 4-Ethyltoluene	+++++	2.24895	2.26379	2.34932	2.40819	2.44980		
	1.73174						2.24196	11.686
148 1,3,5-Trimethylbenzene	+++++	2.38847	2.33379	2.17383	2.24009	2.30283		
	1.49096						2.15500	15.486
149 2,6-Dimethyl-1-propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 tert-Butylbenzene	+++++	+++++	2.49206	+++++	1.96710	+++++		
	1.94126						2.13347	14.568
151 Pentachloroethane	+++++	+++++	0.59749	+++++	0.51400	+++++		
	0.50908						0.54019	9.198
152 sec-Butylbenzene	+++++	+++++	3.00622	+++++	2.33972	+++++		
	1.99607						2.44733	20.986
153 1,2,4-Trimethylbenzene	+++++	2.40359	2.29481	2.25241	2.34010	2.38632		
	1.33793						2.16919	18.952

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 p-Cymene	+++++	+++++	0.63382	+++++	0.45157	+++++	0.47334	0.51958	19.157
155 1,2,3-Trimethylbenzene	+++++	+++++	0.78296	+++++	0.52941	+++++	0.56122	0.62453	22.117
156 1,3-Dichlorobenzene	+++++	1.33024	1.39333	1.42474	1.48429	1.51954	1.33230	1.41407	5.506
157 1,4-Dichlorobenzene	+++++	1.54155	1.15424	1.28587	1.33988	1.40996	1.30930	1.34013	9.666
158 alpha-Chlorotoluene	+++++	1.88691	1.92300	1.99736	2.17930	2.37404	1.32731	1.94799	18.180
159 Butylbenzene	+++++	+++++	0.59726	+++++	0.53918	+++++	0.57852	0.57165	5.185
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.47518	1.38008	1.28538	1.34331	1.37694	1.31207	1.36216	4.878
162 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
164 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
165 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.61134	+++++	0.42922	+++++	0.46570	0.50209	19.192	
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
167 1,2,4-Trichlorobenzene	+++++	+++++	1.48368	1.26108	1.43814	1.47814	1.22253	1.37671	9.090	
168 Hexachlorobutadiene	+++++	+++++	0.95260	0.75132	0.77092	0.74328	0.73297	0.79022	11.621	
169 Naphthalene	+++++	+++++	3.90045	3.19414	3.61060	2.49731	1.31458	2.90342	35.577	<-
170 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
172 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
$ 82 1,2-Dichloroethane-d4	1.29108	1.28164	1.33015	1.25825	1.26386	1.34062	1.39339	1.30843	3.724	

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
$ 104 Toluene-d8	0.89493	0.88890	0.87548	0.83261	0.85871	0.85180	0.85601	0.86549	2.548
$ 140 Bromofluorobenzene	0.57145	0.56913	0.58528	0.59982	0.61223	0.61820	0.60766	0.59482	3.318

Calibration History

Method : /chem/msd8.i/8-17jul.b/t14q530c.m
Start Cal Date: 30-MAY-2007 14:12
End Cal Date : 17-JUL-2007 10:39

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
30-MAY-2007 14:12	AFCEElow	/chem/msd8.i/8-30may.b/8053003.d
Cal Level: 2 , Cal Amount: 0.50000		
30-MAY-2007 14:39	AT04Low+ENSR	/chem/msd8.i/8-30may.b/8053004.d
Cal Level: 3 , Cal Amount: 2.00000		
17-JUL-2007 09:41	sp15c	/chem/msd8.i/8-17jul.b/8071702.d
07-JUN-2007 11:09	sp16b	/chem/msd8.i/8-07jun.b/8060704.d
30-MAY-2007 15:07	AT04mdl+ENSR	/chem/msd8.i/8-30may.b/8053005.d
Cal Level: 4 , Cal Amount: 25.00000		
30-MAY-2007 15:35	AT04mdl+ENSR	/chem/msd8.i/8-30may.b/8053006.d
Cal Level: 5 , Cal Amount: 50.00000		
17-JUL-2007 10:09	sp15c	/chem/msd8.i/8-17jul.b/8071703.d
07-JUN-2007 11:37	sp16b	/chem/msd8.i/8-07jun.b/8060705.d
30-MAY-2007 16:03	AT04mdl+ENSR	/chem/msd8.i/8-30may.b/8053007.d
Cal Level: 6 , Cal Amount: 100.00000		
30-MAY-2007 16:31	AT04mdl+ENSR	/chem/msd8.i/8-30may.b/8053008.d
Cal Level: 7 , Cal Amount: 200.00000		
17-JUL-2007 10:39	sp15c	/chem/msd8.i/8-17jul.b/8071704.d
07-JUN-2007 12:08	sp16b	/chem/msd8.i/8-07jun.b/8060706.d
30-MAY-2007 17:02	AT04mdl+ENSR	/chem/msd8.i/8-30may.b/8053009.d

+------------------+-----------------+--+

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000			
17-JUL-2007 13:58	AT04+ENSR	/chem/msd8.i/8-17jul.b/8071706.d
Ccal Level: 5 , Ccal Amount: 50.000			
17-JUL-2007 10:09	sp15CCVc	/chem/msd8.i/8-17jul.b/8071703a.d
Ccal Level: 5 , Ccal Amount: 50.000			
17-JUL-2007 10:09	sp15c	/chem/msd8.i/8-17jul.b/8071703.d

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m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.60
75	30.0 – 60.0% of mass 95	44.95
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.34
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	82.17
175	5.0 – 9.0% of mass 174	(7.22)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.95)[1]
177	5.0 – 9.0% of mass 176	(6.12)[2]

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

Verify 176/174 m/z Ratio: ~~1650896/~~ 1646080/1680896 x 100 = 97.93 DB 5/31/07

BFB Injection Date: 5/30/07 (DB 5/31/07) **Logbook #:** 1478

BFB Injection Time: 1320

BFB File ID: 8053001

Tekmar Purge Flow: 16.3 ml/min

Vacuum: 8.1 x 10⁻⁶

IS/S Std.#: 1443-64	Exp. Date: 7/30/07
BCM	441133
1,4-DFB	1992312
CB-d5	1475337

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

NOAH Cart #: — **File #:** —

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\quad)}{(\quad)} \times \frac{(\quad)}{(\quad)} =$ DB 5/31/07

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	✓	8053001	BFB Tune Check	843-2981	50ng	2.0ml	1.0	DB	5-30-07	1320	DB	
2	X	8053002	System Blank	34190	–	200ml				1344		
3	✓	03	ICAL Level 1	1487-289	0.2ppbv	0.2ml				1412		
4	✓	04	2		0.5ppbv	0.5ml				1439		
5	✓	05	3		20ppbv	2.0ml				1507		TH4q530a
6	✓	06	4		25ppbv	25ml				1535		
7	✓	07	5		50ppbv	50ml				1603		
8	✓	08	6		100ppbv	100ml				1631		
9	✓	09	7		200ppbv	200ml				1702		

Diane Burton
Signature

5/31/07
Date

0046

10	X	8053010	System Blank	341190	–	200ml	1.0	OB	5-30-07	1732	OB	
11	X	11	↓	↓	–	↓	↓	↓	↓	1803	↓	
12	X	12	↓	↓	–	↓	↓	↓	5-31-07	0909	↓	
13	X	13	↓	↓	–	↓	↓	↓	↓	0941	↓	
14												
15												
16										OB 5/31/07		
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

0047

Comments: Mist Flow Meter: 05E2760/ exp 8/19/07

22.0 ml/min → 25 ml/min

Flow Meter: AA 9506172

Diane Burton
Signature

5/31/07
Date

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MSD-8

Logbook #: 1478

0048

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18-19
75	30.0 – 60.0% of mass 95	46-15
95	Base peak, 100.00% relative abundance	100-00
96	5.0 – 9.0% of mass 95	10-81
173	Less than 2.0% of mass 174	(0-00)[1]
174	Greater than 50.0% of mass 95	62-22
175	5.0 – 9.0% of mass 174	(7-23)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97-27)[1]
177	5.0 – 9.0% of mass 176	(6-26)[2]

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

BFB Injection Date: 5/31/07
BFB Injection Time: 1048
BFB File ID: B053101
Tekmar Purge Flow: 2
Vacuum: @ 5/31/07

IS/S Std.#:	1443-64	Exp. Date: 7/30/07
BCM	5,0079	
1,4-DFB	2335966	
CB-d5	1717992	

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

Verify 176/174 m/z Ratio: 1269760 / 1305600 · 100 = 97.25 %.

NOAH Cart #: 8 / 14 **File #:** F052309 / 5052205

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1947437\ )}{(\ 2335966\ )} \times \frac{(\ 25\ )}{(\ 0.86549\ )} =$ 24.081

Reported Result 24.081

File ID:	B053102
Compound:	Tol-d8
Initials:	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	B053101	BFB Time Check	6443-2981	50 ng	2 µL	1.00		5/31/07	1048		
2	✓	02	CCV # 1487-289	200 ppbv	50 ppbv	50 mL				1120		
3	✓	03	LCS # 1487-275							1148		ICAL LCS
4	X	04	Lab Blank	13673	Humid	200 mL	1.00			1323		
5	✓	05	Lab Blank				1.00			1422		
6	✓	06	0705480-02A	11833	25" Hg - 15 psi		2.20			1601	JCR	
7	✓	07	-03A	21165	10.0" Hg - 15 psi		2.02			1644	JCR	
8	✓	08	-01A	SC25			2.02			1726	JCR	
9	✓ KR 5/31/07	09	-04AA	30815	1.0" Hg - 15 psi	50 mL	8.36			1807	JCR	RF: 35 mL

Signature

5/31/07
Date

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MSD-8

Logbook #: 1478

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	16.87
75	30.0 – 60.0% of mass 95	44.35
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.50
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	82.10
175	5.0 – 9.0% of mass 174	(7.18)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.50)[1]
177	5.0 – 9.0% of mass 176	(6.44)[2]

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

BFB Injection Date: 6/7/07
BFB Injection Time: 0944
BFB File ID: B0e0701
Tekmar Purge Flow: 2
Vacuum: OK 6/7/07

IS/S Std.#:	1443-64	Exp. Date: 7/30/07
BCM	437026	
1,4-DFB	1941557	
CB-d5	1439615	

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

Verify 176/174 m/z Ratio: 12380 16 / 12697760 · 100 = 97.50 %. **NOAH Cart #:** _____ **File #:** _____

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1660776\ )}{(\ 1941557\ )} \times \frac{(\ 25\ )}{(\ 0.865549\ )} = 24.708$

Reported Result 24.708

File ID:	B0e0702
Compound:	Tol-d8
Initials:	OK

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	B0e0701	BFB Tune Check	6013 2981	50 ng	2 µL	1.00	OK	6/7/07	0944	OK	
2	✓	02	CAL # 1487-289	200 ppbv +	50 ppbv	50 mL				1001	OK	
3	✓	03	LCS # 1487-275							1029	OK	
4	✓	04	ICAL Level 3	1443-96	2 ppbv	2 mL				1109		TIC 495306 spl6b
5	✓	05	5		50 ppbv	50 mL				1137		
6	✓	06	7		200 ppbv	200 mL				1208		
7	✗	07	System Blank	13673	Humid	200 mL	1.00	OK		1326	OK	
8	✓*	08	Lab Blank							1356	OK	
9		09										

OK 6/7/07

Signature

6/7/07
Date

0049

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MSD-8

Logbook #: 1478

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.93
75	30.0 – 60.0% of mass 95	48.58
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.50
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	76.84
175	5.0 – 9.0% of mass 174	(7.77)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.81)[1] ✓
177	5.0 – 9.0% of mass 176	(6.60)[2]

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

BFB Injection Date: 7/17/07
BFB Injection Time: 0903
BFB File ID: 8071701
Tekmar Purge Flow:
Vacuum: LR 7/17/07

IS/S Std.#: 1487-312	Exp. Date: 9/18/07
BCM 3062212	
1,4-DFB 1333211	
CB-d5 952630	

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

0050

Verify 176/174 m/z Ratio: 862528/881920 x100 = 97.80

NOAH Cart #: 11/5 **File #:** 8071708/8071709

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1157772\ )}{(\ 1333211\ )} \times \frac{(\ 25\ )}{(\ 0.86549\ )} =$ 25.084

File ID:	8071706
Compound:	To1-d8
Initials:	LR

Reported Result 25.084

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	8071701	BFB Tune Check	843-2981	50ng	2µl	1.00	LR	7/17/07	0903	LR	
2	✓	02	ICAL Level 3 (20ppbv)	1487-336	20ppbv	20ml				0941	LR	T14530C
3	✓	03	5		50ppbv	50ml				1009	LR	Split CCV
4	✓	04	7		200ppbv	200ml				1039	LR	
5	✓	05	System Blank	13673	humid	200ml				1331	LR	
6	✓	06	CCV-1 (200ppbv)	1443-137	50ppbv	50ml				1350	LR	
7	✓	07	LCS-1 (100ppbv)	1443-141EA	50ppbv 100ppbv	100ml				1426	LR	
8	✓	08	Lab Blank	13673	humid	200ml				1534	LR	cart cert #11 leg #3
9	✓	09	Cart Cert #15, leg 8							1624	LR	

Signature

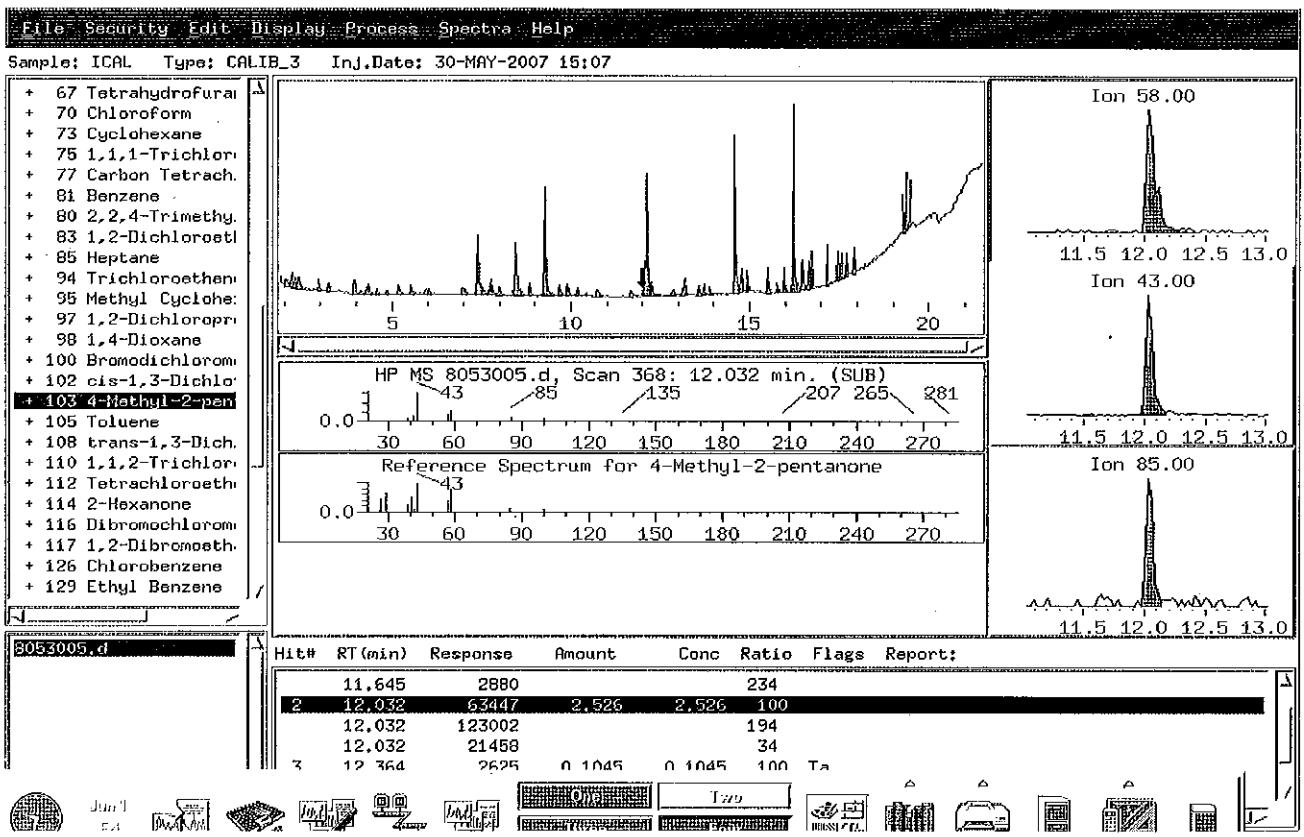
7/17/07
Date

Initial Calibration Narrative

A seven-point initial calibration was analyzed on MSD-8 on May 30, 2007.

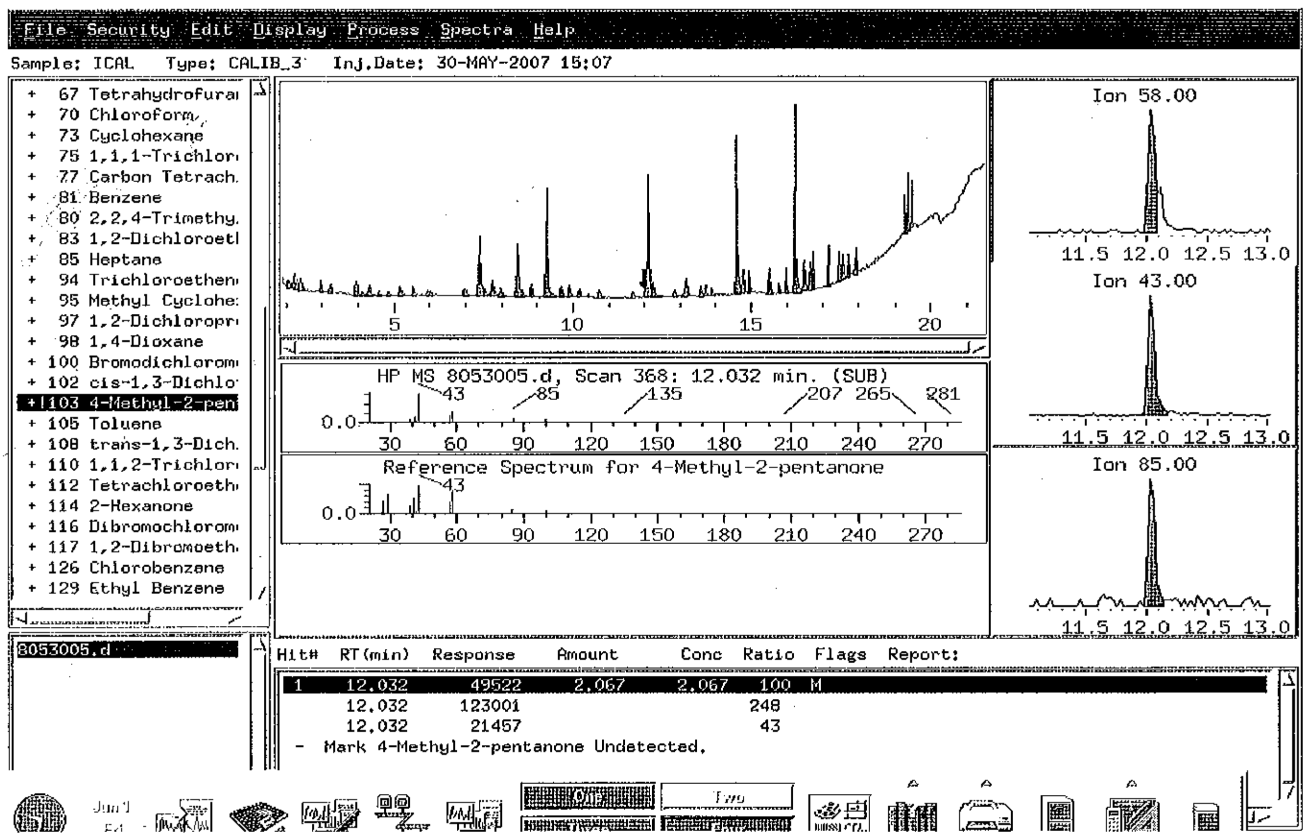
The following compounds used 0.2 as the lowest calibration concentration: Benzene, Chloroform, Styrene and Cumene.

before


File Security Edit Display Process Spectra Help
Sample: ICAL Type: CALIB_3 Inj.Date: 30-MAY-2007 15:07
+ 67 Tetrahydrofura
+ 70 Chloroform
+ 73 Cyclohexane
+ 75 1,1,1-Trichlor
+ 77 Carbon Tetrach.
+ 81 Benzene
+ 80 2,2,4-Trimethy.
+ 83 1,2-Dichloroetl
+ 85 Heptane
+ 94 Trichloroethen
+ 95 Methyl Cyclohe:
+ 97 1,2-Dichloropr
+ 98 1,4-Dioxane
+ 100 Bromodichlorom
+ 102 cis-1,3-Dichlo
+ 103 4-Methyl-2-pen
+ 105 Toluene
+ 108 trans-1,3-Dich.
+ 110 1,1,2-Trichlor
+ 112 Tetrachloroeth
+ 114 2-Hexanone
+ 116 Dibromochlorom
+ 117 1,2-Dibromoeth.
+ 126 Chlorobenzene
+ 129 Ethyl Benzene
5 10 15 20
HP MS 8053005.d, Scan 368: 12.032 min. (SUB)
43 85 135 207 265 281
0.0
30 60 90 120 150 180 210 240 270
Reference Spectrum for 4-Methyl-2-pentanone
43
0.0
30 60 90 120 150 180 210 240 270
Ion 58.00
11.5 12.0 12.5 13.0
Ion 43.00
11.5 12.0 12.5 13.0
Ion 85.00
11.5 12.0 12.5 13.0
8053005.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
11.645 2880 234
2 12.032 63447 2.526 2.526 100
12.032 123002 194
12.032 21458 34

/ Initial	6/1/07 OL
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	

after
NL 6/1/07



Air Toxics Ltd.

Modified EPA Methods TO-14A/TO-15

Internal Standard and Associated Target Compounds and Surrogates

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-31may.b/8053103.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 31-MAY-2007 11:48
Operator : JG Inst ID: msd8.i
Smp Info : 50ml #1487-275
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd8.i/8-31may.b/t14q530a.m
Meth Date : 01-Jun-2007 10:48 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 17:02 Cal File: 8053009.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.415 (1.000)	130	440756	25.0000		80.00- 120.00	100.00
7.387	7.415 (1.000)	128	346888			48.60- 108.60	78.70
7.387	7.387 (1.000)	49	625716			114.98- 174.98	141.96
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	2010798	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	311662			0.00- 45.16	15.50
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1506758	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	856520			0.00- 30.00	56.85
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	572200	24.8051	24.805	80.00- 120.00	100.00
8.465	8.465 (1.146)	67	351230			0.00- 30.00	61.38
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1737699	24.9622	24.962	80.00- 120.00	100.00
12.115	12.115 (1.307)	70	186801			0.00- 30.00	10.75

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1549990			0.00- 30.00	89.20
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	897285	25.0287	25.029	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	1158459			105.65- 165.65	129.11
16.207	16.207 (1.112)	176	894688			66.34- 126.34	99.71
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.078 (0.278)	85	2778941	46.0212	46.021	80.00- 120.00	100.00
2.050	2.078 (0.278)	87	891336			0.00- 30.00	32.07
6 Freon 114					CAS #: 76-14-2		
2.161	2.189 (0.293)	135	2562967	46.9817	46.982	80.00- 120.00	100.00
2.161	2.189 (0.293)	137	809100			0.71- 60.71	31.57
8 Chloromethane					CAS #: 74-87-3		
2.272	2.299 (0.308)	50	1366974	49.1562	49.156	80.00- 120.00	100.00
2.272	2.299 (0.308)	52	419326			0.00- 30.00	30.68
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.438 (0.326)	62	1506942	46.6352	46.635	80.00- 120.00	100.00
2.410	2.438 (0.326)	64	471709			0.00- 30.00	31.30
10 1,3-Butadiene					CAS #: 106-99-0		
2.382	2.410 (0.322)	54	1138555	41.1922	41.192	80.00- 120.00	100.00
2.382	2.410 (0.322)	39	1152974			0.00- 30.00	101.27
13 Bromomethane					CAS #: 74-83-9		
2.852	2.880 (0.386)	94	1047024	48.5003	48.500	80.00- 120.00	100.00
2.852	2.880 (0.386)	96	1003279			63.65- 123.65	95.82
16 Chloroethane					CAS #: 75-00-3		
2.963	2.991 (0.401)	64	798701	46.7036	46.704	80.00- 120.00	100.00
2.935	2.963 (0.397)	49	208062			0.00- 30.00	26.05
2.963	2.991 (0.401)	66	241751			0.00- 30.00	30.27
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.239 (0.435)	101	3306964	48.1826	48.183	80.00- 120.00	100.00
3.212	3.239 (0.435)	103	2152698			34.50- 94.50	65.10
23 Ethanol					CAS #: 64-17-5		
3.516	3.544 (0.476)	45	588478	53.6942	53.694	80.00- 120.00	100.00
3.516	3.544 (0.476)	43	117595			0.00- 30.00	19.98
3.516	3.544 (0.476)	46	241557			0.00- 30.00	41.05

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
28 Freon 113					CAS #: 76-13-1		
3.931	3.958 (0.532)	151	2312964	50.9343	50.934	80.00- 120.00	100.00
3.931	3.958 (0.532)	153	1528932			34.32- 94.32	66.10
3.931	3.958 (0.532)	101	2826353			85.50- 145.50	122.20
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.986 (0.536)	61	2385056	52.8867	52.887	80.00- 120.00	100.00
3.958	3.986 (0.536)	96	1431121			29.81- 89.81	60.00
3.958	3.986 (0.536)	98	913818			9.00- 69.00	38.31
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	750144	49.6648	49.665	80.00- 120.00	100.00
4.124	4.124 (0.558)	43	2233113			0.00- 30.00	297.69
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	2687206	49.2062	49.206	80.00- 120.00	100.00
4.318	4.318 (0.584)	43	509221			0.00- 30.00	18.95
4.318	4.318 (0.584)	59	100187			0.00- 30.00	3.73
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	4015505	47.5101	47.510	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.594 (0.618)	76	692936	51.3911	51.391	80.00- 120.00	100.00
4.566	4.594 (0.618)	41	2090707			0.00- 30.00	301.72
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	1736664	51.4364	51.436	80.00- 120.00	100.00
4.815	4.843 (0.652)	84	1236611			40.47- 100.47	71.21
4.815	4.815 (0.652)	51	518270			0.00- 30.00	29.84
43 MTBE					CAS #: 1634-04-4		
5.147	5.175 (0.697)	73	2334781	48.6230	48.623	80.00- 120.00	100.00
5.147	5.175 (0.697)	57	526586			0.00- 52.63	22.55
5.147	5.175 (0.697)	41	546280			0.00- 30.00	23.40
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.203 (0.701)	96	1480166	46.3832	46.383	80.00- 120.00	100.00
5.175	5.203 (0.701)	61	2223377			119.47- 179.47	150.21
5.175	5.203 (0.701)	98	951148			0.00- 30.00	64.26
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	2449048	50.6003	50.600	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	1575746			0.00- 30.00	64.34
5.534	5.534 (0.749)	86	364966			0.00- 30.00	14.90

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	2639497	50.7389	50.739	80.00- 120.00	100.00
5.949	5.949 (0.805)	65	834971			1.86- 61.86	31.63
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	692091	47.3821	47.382	80.00- 120.00	100.00
7.027	7.027 (0.951)	43	2937806			409.65- 469.65	424.48
7.027	7.027 (0.951)	57	229143			0.00- 30.00	33.11
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	1927506	46.8160	46.816	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	1448922			43.20- 103.20	75.17
6.972	6.972 (0.944)	98	903977			17.85- 77.85	46.90
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.415 (1.000)	42	1762470	46.4222	46.422	80.00- 120.00	100.00
7.387	7.415 (1.000)	71	616972			5.48- 65.48	35.01
7.387	7.415 (1.000)	72	683813			0.00- 30.00	38.80
70 Chloroform					CAS #: 67-66-3		
7.525	7.553 (1.019)	83	2568490	45.8768	45.877	80.00- 120.00	100.00
7.525	7.553 (1.019)	85	1587019			32.67- 92.67	61.79
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	2636611	48.3678	48.368	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	1692005			34.55- 94.55	64.17
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	2011710	46.6032	46.603	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	2573375			96.25- 156.25	127.92
7.746	7.746 (1.049)	41	1297745			32.28- 92.28	64.51
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	8.023 (1.082)	119	2542777	51.2619	51.262	80.00- 120.00	100.00
7.995	8.023 (1.082)	117	2618298			73.30- 133.30	102.97
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	6011320	46.6484	46.648	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	1918609			0.00- 30.00	31.92
8.465	8.465 (1.146)	41	1389836			0.00- 30.00	23.12
81 Benzene					CAS #: 71-43-2		
8.437	8.438 (0.910)	78	4287698	45.2681	45.268	80.00- 120.00	100.00
8.437	8.438 (0.910)	77	959130			0.00- 30.00	22.37
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	1763231	47.8421	47.842	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
83 1,2-Dichloroethane (continued)							
8.603	8.603 (0.928)	64	570080			0.00- 30.00	32.33
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	422399	42.9697	42.970	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	2420809			0.00- 30.00	573.11
8.852	8.852 (0.955)	71	1375374			0.00- 30.00	325.61
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	1722090	47.8377	47.838	80.00- 120.00	100.00
9.682	9.682 (1.045)	130	1803299			78.57- 138.57	104.72
9.682	9.682 (1.045)	97	1080675			34.08- 94.08	62.75
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	1484383	47.1518	47.152	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	1055399			42.26- 102.26	71.10
10.179	10.179 (1.098)	41	846166			26.77- 86.77	57.00
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	953301	49.6479	49.648	80.00- 120.00	100.00
10.428	10.428 (1.125)	58	672923			41.45- 101.45	70.59
10.428	10.428 (1.125)	57	202353			0.00- 30.00	21.23
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	2523493	47.9946	47.995	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	1562917			31.75- 91.75	61.93
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.673 (1.260)	75	2069212	47.2977	47.298	80.00- 120.00	100.00
11.672	11.673 (1.260)	77	655311			1.36- 61.36	31.67
11.672	11.673 (1.260)	39	1004071			17.70- 77.70	48.52
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	1179076	49.8183	49.818	80.00- 120.00	100.00
12.032	12.032 (1.298)	43	2851980			0.00- 30.00	241.88
12.032	12.032 (1.298)	85	496153			0.00- 30.00	42.08
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	4606596	49.8972	49.897	80.00- 120.00	100.00
12.253	12.253 (1.322)	92	2757068			29.69- 89.69	59.85
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.861 (0.880)	75	2120788	48.5501	48.550	80.00- 120.00	100.00
12.834	12.861 (0.880)	77	642673			0.08- 60.08	30.30
12.834	12.834 (0.880)	39	956206			15.97- 75.97	45.09

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	1450072	45.2633	45.263	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	903189			29.85- 89.85	62.29
13.138	13.138 (0.901)	83	1268499			54.93- 114.93	87.48
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	2052640	47.3396	47.340	80.00- 120.00	100.00
13.193	13.193 (0.905)	129	1598570			45.08- 105.08	77.88
13.193	13.193 (0.905)	131	1573037			44.22- 104.22	76.63
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	1578878	49.7385	49.738	80.00- 120.00	100.00
13.580	13.580 (0.932)	43	2839029			148.62- 208.62	179.81
13.580	13.580 (0.932)	100	328947			0.00- 30.00	20.83
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.719 (0.941)	129	2441815	48.6342	48.634	80.00- 120.00	100.00
13.718	13.719 (0.941)	127	1862028			0.00- 30.00	76.26
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	2264782	46.3953	46.395	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	2141958			63.81- 123.81	94.58
126 Chlorobenzene					CAS #: 108-90-7		
14.603	14.631 (1.002)	112	3600449	46.5367	46.537	80.00- 120.00	100.00
14.603	14.631 (1.002)	114	1156467			1.84- 61.84	32.12
14.603	14.603 (1.002)	77	2040419			26.78- 86.78	56.67
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	1875253	45.8007	45.801	80.00- 120.00	100.00
14.769	14.769 (1.013)	91	5813094			0.00- 30.00	309.99
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	2373682	47.5756	47.576	80.00- 120.00	100.00
14.935	14.935 (1.025)	91	4516302			0.00- 30.00	190.27
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	2318082	46.0425	46.042	80.00- 120.00	100.00
15.488	15.488 (1.063)	91	4803654			178.74- 238.74	207.23
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	3405235	47.9066	47.907	80.00- 120.00	100.00
15.516	15.516 (1.064)	78	1716218			20.27- 80.27	50.40
135 Bromoform					CAS #: 75-25-2		
15.764	15.765 (1.082)	173	2241846	50.7630	50.763	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
135 Bromoform (continued)							
15.764	15.765 (1.082)	171	1157469			20.67- 80.67	51.63
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	3338269	45.3401	45.340	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	2060617			31.59- 91.59	61.73
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	6752548	49.9730	49.973	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	2056264			0.00- 59.85	30.45
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	6260050	48.1979	48.198	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	3095852			0.00- 30.00	49.45
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	6608084	50.5445	50.544	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	2956336			15.22- 75.22	44.74
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	4297022	50.4188	50.419	80.00- 120.00	100.00
17.451	17.451 (1.197)	148	2703733			0.00- 30.00	62.92
17.451	17.451 (1.197)	111	1752089			0.00- 30.00	40.77
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	3673574	45.4817	45.482	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	2397507			0.00- 30.00	65.26
17.562	17.562 (1.205)	111	1301488			0.00- 30.00	35.43
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	6425001	54.7247	54.725	80.00- 120.00	100.00
17.700	17.700 (1.214)	126	1322597			0.00- 30.00	20.59
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	3730128	45.4352	45.435	80.00- 120.00	100.00
17.921	17.921 (1.230)	148	2410442			33.37- 93.37	64.62
17.921	17.921 (1.230)	111	1412557			7.65- 67.65	37.87
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	3988477	48.0685	48.068	80.00- 120.00	100.00
19.276	19.276 (1.322)	182	3802153			64.68- 124.68	95.33
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	2159382	45.3397	45.340	80.00- 120.00	100.00
19.359	19.359 (1.328)	223	1379410			33.22- 93.22	63.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.484 (1.131)	91	8066062	51.1778	51.178	80.00- 120.00	100.00
16.483	16.484 (1.131)	120	1852431			0.00- 30.00	22.97
16.483	16.484 (1.131)	105	285850			0.00- 30.00	3.54
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	6813817	47.9676	47.968	80.00- 120.00	100.00
15.958	15.986 (1.095)	120	1785636			0.00- 30.00	26.21
15.958	15.958 (1.095)	51	636171			0.00- 30.00	9.34
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	9185790	52.4933	52.493	80.00- 120.00	100.00
19.470	19.470 (1.336)	127	1071085			0.00- 30.00	11.66
9 Butane					CAS #: 106-97-8		
2.327	2.355 (0.315)	58	350243	48.2264	48.226	70.00- 130.00	100.00
2.327	2.355 (0.315)	43	2575697			0.00- 30.00	735.40
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	1966389	48.7352	48.735	70.00- 130.00	100.00
2.963	2.963 (0.401)	57	1333134			0.00- 30.00	67.80
2.963	2.963 (0.401)	72	143213			0.00- 30.00	7.28
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	2603625	48.4146	48.414	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	1166714			0.00- 30.00	44.81
9.903	9.903 (1.341)	55	2051809			0.00- 30.00	78.81

Report Date: 01-Jun-2007 10:48

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053103.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd8.i/8-31may.b/t14q530a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 31-MAY-2007
Calibration Time: 11:20
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	510079	306047	714111	440756	-13.59
88 1,4-Difluorobenze	2335966	1401580	3270352	2010798	-13.92
125 Chlorobenzene-d5	1717992	1030795	2405189	1506758	-12.30

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.41	7.08	7.74	7.39	-0.37
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

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

Report Date: 01-Jun-2007 10:48

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-31may
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: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd8.i/8-31may.b/t14q530a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	47.907	95.81	70-130
108 trans-1,3-Dichloro	50.000	48.550	97.10	70-130
4 Dichlorodifluorome	50.000	46.021	92.04	70-130
6 Freon 114	50.000	46.982	93.96	70-130
8 Chloromethane	50.000	49.156	98.31	70-130
11 Vinyl Chloride	50.000	46.635	93.27	70-130
10 1,3-Butadiene	50.000	41.192	82.38	60-140
13 Bromomethane	50.000	48.500	97.00	70-130
16 Chloroethane	50.000	46.704	93.41	70-130
18 Trichlorofluoromet	50.000	48.183	96.37	70-130
23 Ethanol	50.000	53.694	107.39	60-140
28 Freon 113	50.000	50.934	101.87	70-130
29 1,1-Dichloroethene	50.000	52.887	105.77	70-130
30 Acetone	50.000	49.665	99.33	60-140
33 Carbon Disulfide	50.000	47.510	95.02	60-140
34 2-Propanol	50.000	49.206	98.41	60-140
40 Methylene Chloride	50.000	51.436	102.87	70-130
43 MTBE	50.000	48.623	97.25	60-140
45 trans-1,2-Dichloro	50.000	46.383	92.77	60-140
46 Hexane	50.000	50.600	101.20	60-140
54 1,1-Dichloroethane	50.000	50.739	101.48	70-130
64 cis-1,2-Dichloroet	50.000	46.816	93.63	70-130
65 2-Butanone	50.000	47.382	94.76	60-140
67 Tetrahydrofuran	50.000	46.422	92.84	60-140
70 Chloroform	50.000	45.877	91.75	70-130
73 Cyclohexane	50.000	46.603	93.21	60-140
75 1,1,1-Trichloroeth	50.000	48.368	96.74	70-130
77 Carbon Tetrachlori	50.000	51.262	102.52	70-130
81 Benzene	50.000	45.268	90.54	70-130
83 1,2-Dichloroethane	50.000	47.842	95.68	70-130
85 Heptane	50.000	42.970	85.94	60-140
94 Trichloroethene	50.000	47.838	95.68	70-130
97 1,2-Dichloropropan	50.000	47.152	94.30	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,4-Dioxane	50.000	49.648	99.30	60-140
100 Bromodichlorometha	50.000	47.995	95.99	60-140
102 cis-1,3-Dichloropr	50.000	47.298	94.60	70-130
103 4-Methyl-2-pentano	50.000	49.818	99.64	60-140
105 Toluene	50.000	49.897	99.79	70-130
110 1,1,2-Trichloroeth	50.000	45.263	90.53	70-130
112 Tetrachloroethene	50.000	47.340	94.68	70-130
114 2-Hexanone	50.000	49.738	99.48	60-140
116 Dibromochlorometha	50.000	48.634	97.27	60-140
117 1,2-Dibromoethane	50.000	46.395	92.79	70-130
126 Chlorobenzene	50.000	46.537	93.07	70-130
129 Ethyl Benzene	50.000	45.801	91.60	70-130
130 m,p-Xylene	50.000	47.576	95.15	70-130
132 o-Xylene	50.000	46.042	92.08	70-130
135 Bromoform	50.000	50.763	101.53	60-140
144 1,1,2,2-Tetrachlor	50.000	45.340	90.68	70-130
147 4-Ethyltoluene	50.000	49.973	99.95	60-140
148 1,3,5-Trimethylben	50.000	48.198	96.40	70-130
153 1,2,4-Trimethylben	50.000	50.544	101.09	70-130
156 1,3-Dichlorobenzen	50.000	50.419	100.84	70-130
157 1,4-Dichlorobenzen	50.000	45.482	90.96	70-130
158 alpha-Chlorotoluen	50.000	54.725	109.45	70-130
161 1,2-Dichlorobenzen	50.000	45.435	90.87	70-130
167 1,2,4-Trichloroben	50.000	48.068	96.14	70-130
168 Hexachlorobutadien	50.000	45.340	90.68	70-130
137 Cumene	50.000	47.968	95.94	60-140
145 Propylbenzene	50.000	51.178	102.36	60-140
37 3-Chloropropene	50.000	51.391	102.78	60-140
80 2,2,4-Trimethylpen	50.000	46.648	93.30	60-140
169 Naphthalene	50.000	52.493	104.99	60-140
9 Butane	50.000	48.226	96.45	70-130
15 Isopentane	50.000	48.735	97.47	70-130
95 Methyl Cyclohexane	50.000	48.414	96.83	70-130

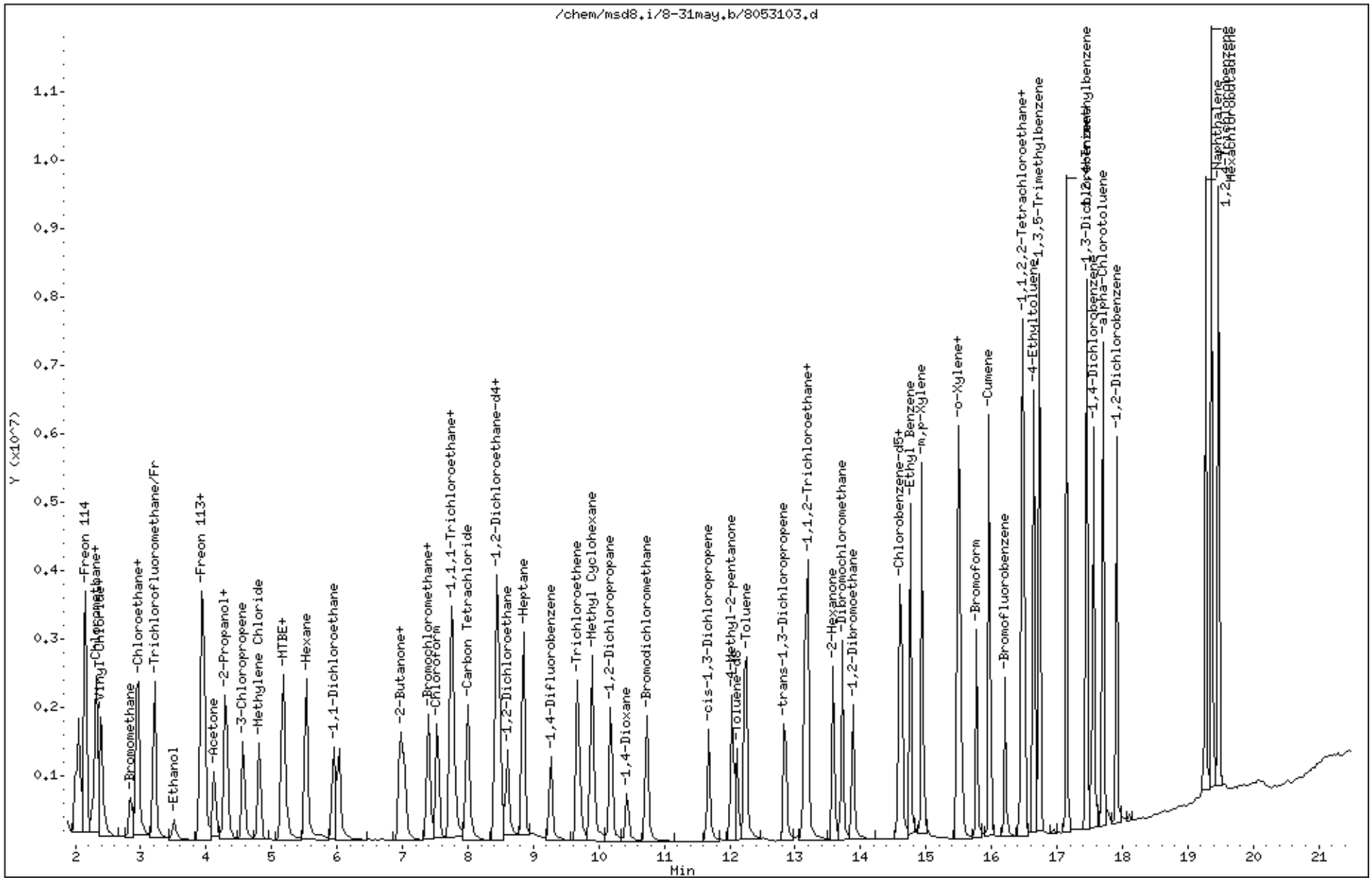
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.805	99.22	70-130
$ 104 Toluene-d8	25.000	24.962	99.85	70-130
$ 140 Bromofluorobenzene	25.000	25.029	100.11	70-130

9900

Data File: /chem/msd8.i/8-31may.b/8053103.d
Date : 31-MAY-2007 11:48
Client ID: LCS-1
Sample Info: 50ml #1487-275

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053003.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 30-MAY-2007 14:12
Operator : db Inst ID: msd8.i
Smp Info : 0.2ml #1487-289
Misc Info : 200ppbv-0.2ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 31-May-2007 14:52 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 14:12 Cal File: 8053003.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.387	7.387 (1.000)	130	449663	25.0000		70.00- 130.00		100.00
7.387	7.387 (1.000)	128	347373			47.57- 107.57		77.25
7.387	7.387 (1.000)	49	653261			113.47- 173.47		145.28
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.267	9.267 (1.000)	114	2011611	25.0000		70.00- 130.00		100.00
9.267	9.267 (1.000)	88	307684			0.00- 45.68		15.30
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1511139	25.0000		70.00- 130.00		100.00
14.576	14.576 (1.000)	82	870029			0.00- 30.00		57.57
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	580550	25.0000	24.668	70.00- 130.00		100.00
8.465	8.465 (1.146)	67	304406			0.00- 30.00		52.43
$ 104 Toluene-d8						CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1800242	25.0000	25.850	70.00- 130.00		100.00
12.115	12.115 (1.307)	70	162095			0.00- 30.00		9.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1155287			0.00- 30.00	64.17
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	863540	25.0000	24.018	70.00- 130.00	100.00
16.207	16.207 (1.112)	95	1149176			102.16- 162.16	133.08
16.207	16.207 (1.112)	176	834188			64.31- 124.31	96.60
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	16272	0.20000	0.3066	70.00- 130.00	100.00(a)
7.525	7.525 (1.019)	85	9678			31.98- 91.98	59.48
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	23610	0.20000	0.2598	70.00- 130.00	100.00(a)
8.437	8.437 (0.910)	77	8272			0.00- 30.00	35.04
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	13430	0.20000	0.1866	70.00- 130.00	100.00(a)
15.516	15.516 (1.064)	78	8927			20.25- 80.25	66.47
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	33835	0.20000	0.2452	70.00- 130.00	100.00(a)
15.958	15.958 (1.095)	120	10282			0.00- 30.00	30.39
15.958	15.958 (1.095)	51	4623			0.00- 30.00	13.66

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053003.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-0.2ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 16:03
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	441133	264680	617586	449663	1.93
88 1,4-Difluorobenze	1992312	1195387	2789237	2011611	0.97
125 Chlorobenzene-d5	1475337	885202	2065472	1511139	2.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

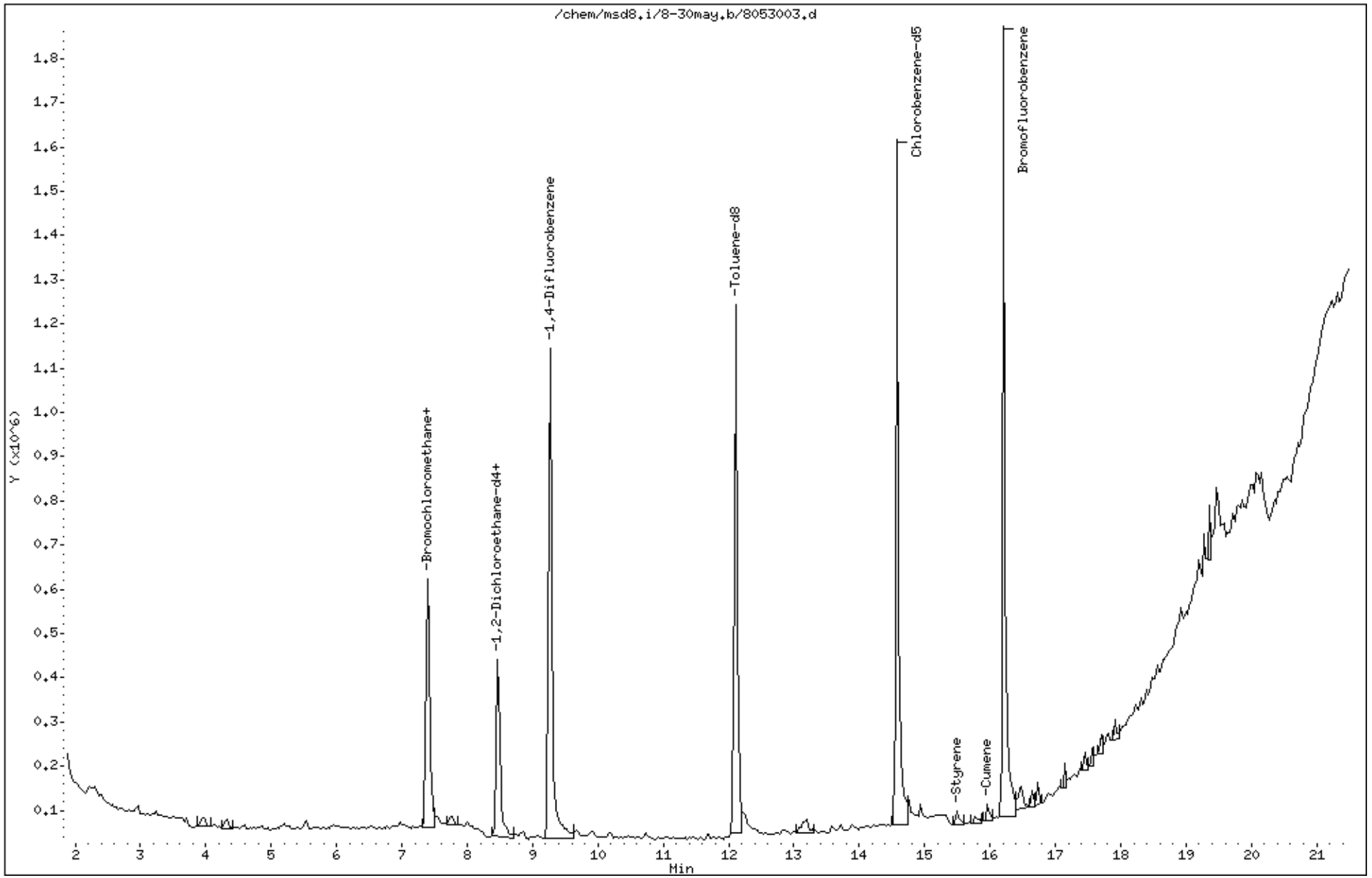
0070

Data File: /chem/msd8.i/8-30may.b/8053003.d
Date : 30-MAY-2007 14:12
Client ID: Level 1
Sample Info: 0.2ml #1487-289

Column phase: RTx-624

Instrument: msd8.i

Operator: db
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053004.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 30-MAY-2007 14:39
Operator : db Inst ID: msd8.i
Smp Info : 0.5ml #1487-289
Misc Info : 200ppbv-0.5ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 01-Jun-2007 10:56 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 14:39 Cal File: 8053004.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04Low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.387	7.415 (1.000)	130	441719	25.0000		80.00- 120.00		100.00
7.387	7.415 (1.000)	128	338788			48.60- 108.60		76.70
7.387	7.415 (1.000)	49	651629			114.98- 174.98		147.52
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.267	9.267 (1.000)	114	1974518	25.0000		80.00- 120.00		100.00
9.267	9.267 (1.000)	88	311817			0.00- 45.16		15.79
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.576	14.576 (1.000)	117	1505104	25.0000		80.00- 120.00		100.00
14.576	14.576 (1.000)	82	859236			0.00- 30.00		57.09
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.465	8.465 (1.146)	65	566125	25.0000	24.488	80.00- 120.00		100.00
8.465	8.465 (1.146)	67	303961			0.00- 30.00		53.69
$ 104 Toluene-d8					CAS #: 2037-26-5			
12.115	12.115 (1.307)	98	1755155	25.0000	25.676	80.00- 120.00		100.00
12.115	12.115 (1.307)	70	183881			0.00- 30.00		10.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1118700			0.00- 30.00	63.74
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	856607	25.0000	23.920	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	1122836			105.65- 165.65	131.08
16.207	16.207 (1.112)	176	830280			66.34- 126.34	96.93
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.078 (0.278)	85	37346	0.50000	0.6171	80.00- 120.00	100.00
2.050	2.078 (0.278)	87	12534			0.00- 30.00	33.56
6 Freon 114					CAS #: 76-14-2		
2.216	2.189 (0.300)	135	31980	0.50000	0.5849	80.00- 120.00	100.00(H)
2.216	2.189 (0.300)	137	10844			0.71- 60.71	33.91
11 Vinyl Chloride					CAS #: 75-01-4		
2.438	2.438 (0.330)	62	20739	0.50000	0.6404	80.00- 120.00	100.00
2.438	2.438 (0.330)	64	16204			0.00- 30.00	78.13
10 1,3-Butadiene					CAS #: 106-99-0		
2.438	2.410 (0.330)	54	18786	0.50000	0.6782	80.00- 120.00	100.00
2.410	2.410 (0.326)	39	32703			0.00- 30.00	174.08
13 Bromomethane					CAS #: 74-83-9		
2.852	2.880 (0.386)	94	11115	0.50000	0.5137	80.00- 120.00	100.00
2.852	2.880 (0.386)	96	7716			63.65- 123.65	69.42
16 Chloroethane					CAS #: 75-00-3		
2.991	2.991 (0.405)	64	9774	0.50000	0.5703	80.00- 120.00	100.00
2.991	2.991 (0.405)	49	2239			0.00- 30.00	22.91
2.963	2.991 (0.401)	66	2848			0.00- 30.00	29.14
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.239	3.239 (0.439)	101	35922	0.50000	0.5222	80.00- 120.00	100.00
3.239	3.239 (0.439)	103	24332			34.50- 94.50	67.74
28 Freon 113					CAS #: 76-13-1		
3.931	3.958 (0.532)	151	25449	0.50000	0.5592	80.00- 120.00	100.00
3.931	3.958 (0.532)	153	17314			34.32- 94.32	68.03
3.931	3.958 (0.532)	101	27551			85.50- 145.50	108.26
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.986	3.986 (0.540)	61	25336	0.50000	0.5606	80.00- 120.00	100.00
3.986	3.986 (0.540)	96	14575			29.81- 89.81	57.53
3.986	3.986 (0.540)	98	11440			9.00- 69.00	45.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Carbon Disulfide					CAS #: 75-15-0		
4.318	4.290 (0.585)	76	49375	0.50000	0.5829	80.00- 120.00	100.00
40 Methylene Chloride					CAS #: 75-09-2		
4.843	4.815 (0.656)	49	19995	0.50000	0.5909	80.00- 120.00	100.00
4.871	4.815 (0.659)	84	18154			40.47- 100.47	90.79
4.843	4.815 (0.656)	51	6239			0.00- 30.00	31.20
43 MTBE					CAS #: 1634-04-4		
5.175	5.175 (0.701)	73	22887	0.50000	0.4756	80.00- 120.00	100.00(a)
5.147	5.175 (0.697)	57	8958			0.00- 52.63	39.14
5.175	5.175 (0.701)	41	6914			0.00- 30.00	30.21
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.203	5.203 (0.704)	96	19355	0.50000	0.6052	80.00- 120.00	100.00
5.203	5.203 (0.704)	61	29045			119.47- 179.47	150.06
5.203	5.203 (0.704)	98	12410			0.00- 30.00	64.12
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	24684	0.50000	0.5089	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	18247			0.00- 30.00	73.92
5.534	5.534 (0.749)	86	4409			0.00- 30.00	17.86
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	25663	0.50000	0.4922	80.00- 120.00	100.00(a)
5.949	5.949 (0.805)	65	13490			1.86- 61.86	52.57
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	8897	0.50000	0.6078	80.00- 120.00	100.00
7.027	7.027 (0.951)	43	35422			409.65- 469.65	398.13
7.055	7.027 (0.955)	57	4439			0.00- 30.00	49.89
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	26832	0.50000	0.6503	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	19889			43.20- 103.20	74.12
6.972	6.972 (0.944)	98	13061			17.85- 77.85	48.68
67 Tetrahydrofuran					CAS #: 109-99-9		
7.415	7.415 (1.004)	42	23210	0.50000	0.6100	80.00- 120.00	100.00
7.415	7.415 (1.004)	71	9141			5.48- 65.48	39.38
7.415	7.415 (1.004)	72	10737			0.00- 30.00	46.26
70 Chloroform					CAS #: 67-66-3		
7.525	7.553 (1.019)	83	29884	0.50000	0.5731	80.00- 120.00	100.00
7.525	7.553 (1.019)	85	17860			32.67- 92.67	59.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	32604	0.50000	0.5968	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	18613			34.55- 94.55	57.09
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	27736	0.50000	0.6411	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	29634			96.25- 156.25	106.84
7.746	7.746 (1.049)	41	14639			32.28- 92.28	52.78
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	8.023 (1.082)	119	26063	0.50000	0.5243	80.00- 120.00	100.00
7.995	8.023 (1.082)	117	24950			73.30- 133.30	95.73
81 Benzene					CAS #: 71-43-2		
8.438	8.438 (0.910)	78	52333	0.50000	0.5867	80.00- 120.00	100.00
8.438	8.438 (0.910)	77	11248			0.00- 30.00	21.49
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	22290	0.50000	0.6159	80.00- 120.00	100.00
8.603	8.603 (0.928)	64	6977			0.00- 30.00	31.30
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	7535	0.50000	0.7806	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	29890			0.00- 30.00	396.68
8.852	8.852 (0.955)	71	17485			0.00- 30.00	232.05
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	21043	0.50000	0.5953	80.00- 120.00	100.00
9.682	9.682 (1.045)	130	22414			78.57- 138.57	106.52
9.682	9.682 (1.045)	97	14838			34.08- 94.08	70.51
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	16877	0.50000	0.5460	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	13213			42.26- 102.26	78.29
10.179	10.179 (1.098)	41	10990			26.77- 86.77	65.12
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	28920	0.50000	0.5601	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	18413			31.75- 91.75	63.67
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.673 (1.260)	75	24425	0.50000	0.5686	80.00- 120.00	100.00
11.672	11.673 (1.260)	77	6970			1.36- 61.36	28.54
11.700	11.673 (1.263)	39	8862			17.70- 77.70	36.28
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	11214	0.50000	0.4825	80.00- 120.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
103 4-Methyl-2-pentanone (continued)							
12.032	12.032 (1.298)	43	37485			0.00- 30.00	334.27
12.032	12.032 (1.298)	85	6047			0.00- 30.00	53.92
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	49671	0.50000	0.5479	80.00- 120.00	100.00
12.253	12.253 (1.322)	92	32962			29.69- 89.69	66.36
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.861	12.861 (0.882)	75	22841	0.50000	0.5235	80.00- 120.00	100.00
12.834	12.861 (0.880)	77	6413			0.08- 60.08	28.08
12.834	12.861 (0.880)	39	12864			15.97- 75.97	56.32
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	19937	0.50000	0.6230	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	10911			29.85- 89.85	54.73
13.138	13.138 (0.901)	83	15123			54.93- 114.93	75.85
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	23583	0.50000	0.5445	80.00- 120.00	100.00
13.193	13.193 (0.905)	129	18864			45.08- 105.08	79.99
13.193	13.193 (0.905)	131	17800			44.22- 104.22	75.48
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	16251	0.50000	0.5125	80.00- 120.00	100.00
13.580	13.580 (0.932)	43	29468			148.62- 208.62	181.33
13.580	13.580 (0.932)	100	5765			0.00- 30.00	35.47
116 Dibromochloromethane					CAS #: 124-48-1		
13.719	13.719 (0.941)	129	25600	0.50000	0.5104	80.00- 120.00	100.00
13.719	13.719 (0.941)	127	16875			0.00- 30.00	65.92
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	26910	0.50000	0.5519	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	23468			63.81- 123.81	87.21
126 Chlorobenzene					CAS #: 108-90-7		
14.631	14.631 (1.004)	112	36793	0.50000	0.4761	80.00- 120.00	100.00(a)
14.631	14.631 (1.004)	114	11501			1.84- 61.84	31.26
14.603	14.631 (1.002)	77	32356			26.78- 86.78	87.94
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	24362	0.50000	0.5957	80.00- 120.00	100.00
14.769	14.769 (1.013)	91	64080			0.00- 30.00	263.03
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	25452	0.50000	0.5107	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
14.935	14.935 (1.025)	91	55732			0.00- 30.00	218.97
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	27489	0.50000	0.5466	80.00- 120.00	100.00
15.488	15.488 (1.063)	91	51508			178.74- 238.74	187.38
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	35605	0.50000	0.4966	80.00- 120.00	100.00(a)
15.516	15.516 (1.064)	78	18620			20.27- 80.27	52.30
135 Bromoform					CAS #: 75-25-2		
15.765	15.765 (1.082)	173	19027	0.50000	0.4313	80.00- 120.00	100.00(a)
15.765	15.765 (1.082)	171	11415			20.67- 80.67	59.99
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	40065	0.50000	0.5448	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	25337			31.59- 91.59	63.24
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	67698	0.50000	0.5016	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	22846			0.00- 59.85	33.75
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	71898	0.50000	0.5542	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	34076			0.00- 30.00	47.39
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	72353	0.50000	0.5540	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	33530			15.22- 75.22	46.34
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	40043	0.50000	0.4704	80.00- 120.00	100.00(a)
17.451	17.451 (1.197)	148	25065			0.00- 30.00	62.60
17.451	17.451 (1.197)	111	16317			0.00- 30.00	40.75
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	46404	0.50000	0.5751	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	26549			0.00- 30.00	57.21
17.562	17.562 (1.205)	111	15041			0.00- 30.00	32.41
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	56800	0.50000	0.4843	80.00- 120.00	100.00(a)
17.700	17.700 (1.214)	126	13675			0.00- 30.00	24.08
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	44406	0.50000	0.5415	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
17.921	17.921 (1.230)	148	29125			33.37- 93.37	65.59
17.921	17.921 (1.230)	111	15806			7.65- 67.65	35.59
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	72289	0.50000	0.5259	80.00- 120.00	100.00
15.958	15.958 (1.095)	120	21844			0.00- 30.00	30.22
15.958	15.958 (1.095)	51	7145			0.00- 30.00	9.88
145 Propylbenzene					CAS #: 103-65-1		
16.484	16.484 (1.131)	91	84913	0.50000	0.5394	80.00- 120.00	100.00
16.484	16.484 (1.131)	120	21938			0.00- 30.00	25.84
16.484	16.484 (1.131)	105	3685			0.00- 30.00	4.34
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	69240	0.50000	0.5361	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	27170			0.00- 30.00	39.24
8.465	8.465 (1.146)	41	17762			0.00- 30.00	25.65
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	28853	0.50000	0.5354	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	14551			0.00- 30.00	50.43
9.903	9.903 (1.341)	55	24257			0.00- 30.00	84.07

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053004.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-0.5ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 14:39
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448309	268985	627633	441719	-1.47
88 1,4-Difluorobenze	2033490	1220094	2846886	1974518	-2.90
125 Chlorobenzene-d5	1524596	914758	2134434	1505104	-1.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

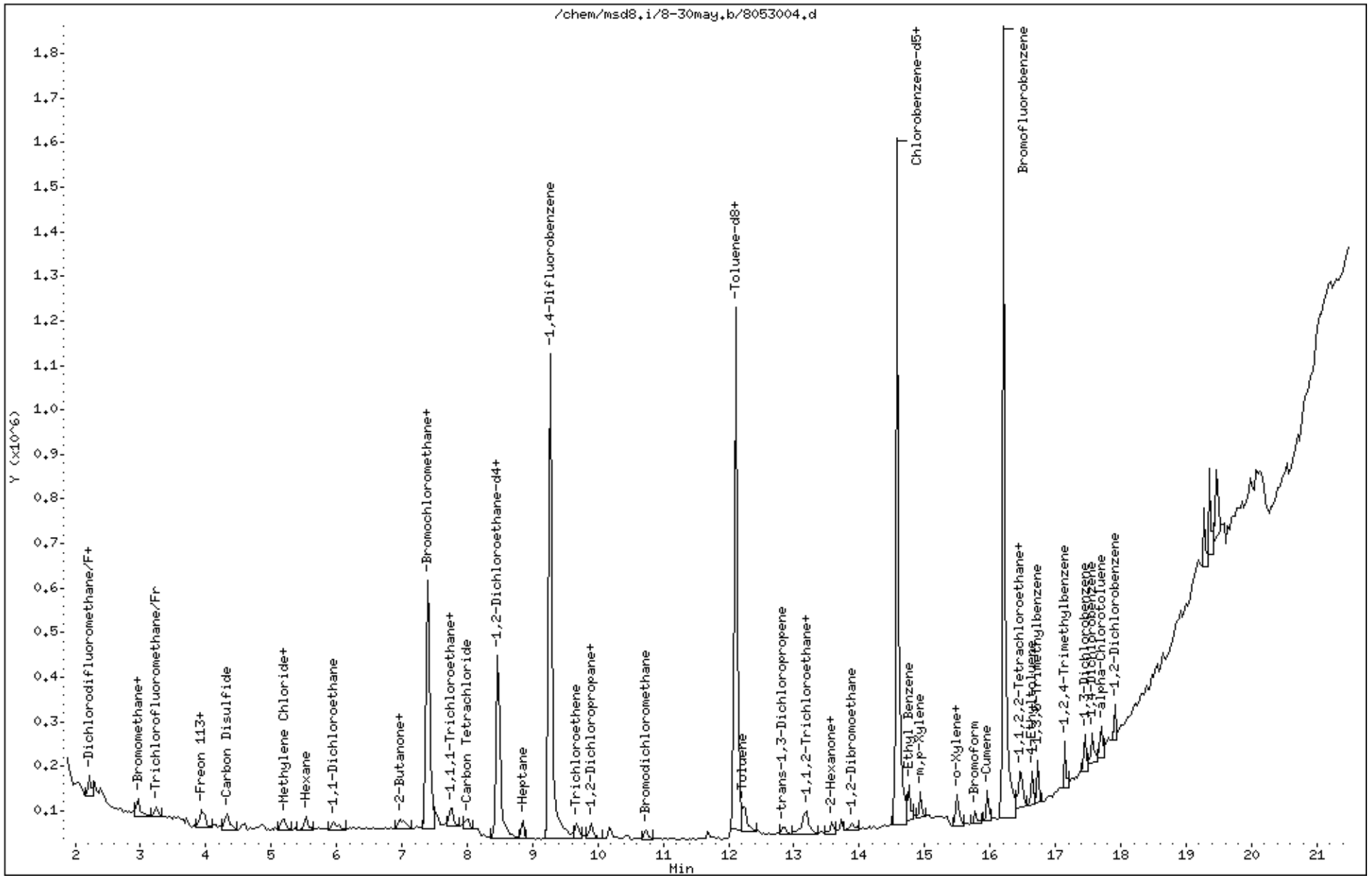
0079

Data File: /chem/msd8.i/8-30may.b/8053004.d
Date : 30-MAY-2007 14:39
Client ID: Level 2
Sample Info: 0.5ml #1487-289

Column phase: RTx-624

Instrument: msd8.i

Operator: db
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-17jul.b/8071702.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 17-JUL-2007 09:41
Operator : lmr Inst ID: msd8.i
Smp Info : 2ml #1487-336
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msd8.i/8-17jul.b/t14q530c.m
Meth Date : 17-Jul-2007 12:55 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 09:41 Cal File: 8071702.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.414	7.414 (1.000)	130	370423	25.0000		70.00- 130.00		100.00
7.414	7.414 (1.000)	128	285937			46.10- 106.10		77.19
7.414	7.414 (1.000)	49	562623			120.10- 180.10		151.89
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.267	9.267 (1.000)	114	1560090	25.0000		70.00- 130.00		100.00
9.267	9.267 (1.000)	88	239843			0.00- 44.57		15.37
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.576	14.576 (1.000)	117	1075642	25.0000		70.00- 130.00		100.00
14.576	14.576 (1.000)	82	643761			0.00- 30.00		59.85
60 2,2-Dichloropropane					CAS #: 594-20-7			
6.917	6.917 (0.933)	77	46612	2.00000	1.848	70.00- 130.00		100.00(a)
6.917	6.917 (0.933)	79	18786			2.33- 62.33		40.30
6.917	6.917 (0.933)	97	8311			0.00- 30.00		17.83
72 1,1-Dichloropropene					CAS #: 563-58-6			
8.078	8.078 (1.089)	110	26152	2.00000	2.397	70.00- 130.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
72 1,1-Dichloropropene (continued)							
8.078	8.078 (1.089)	75	70938			0.00- 30.00	271.25
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.769	14.769 (1.013)	131	63093	2.00000	2.332	70.00- 130.00	100.00
14.769	14.769 (1.013)	117	61468			0.00- 30.00	97.42
14.769	14.769 (1.013)	95	25867			0.00- 30.00	41.00
139 Bromobenzene					CAS #: 108-86-1		
16.373	16.373 (1.123)	156	67411	2.00000	2.422	70.00- 130.00	100.00
16.373	16.373 (1.123)	77	97925			129.56- 189.56	145.27
16.373	16.373 (1.123)	158	69297			0.00- 30.00	102.80
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.483	16.483 (1.131)	110	29835	2.00000	2.276	70.00- 130.00	100.00
16.483	16.483 (1.131)	61	24349			0.00- 30.00	81.61
16.483	16.483 (1.131)	112	19901			0.00- 30.00	66.70
143 2-Chlorotoluene					CAS #: 95-49-8		
16.594	16.594 (1.138)	126	52577	2.00000	2.337	70.00- 130.00	100.00
16.594	16.594 (1.138)	91	144737			271.12- 331.12	275.29
16.594	16.594 (1.138)	65	13743			0.00- 30.00	26.14
146 4-Chlorotoluene					CAS #: 106-43-4		
16.760	16.760 (1.150)	126	50813	2.00000	2.466	70.00- 130.00	100.00
16.760	16.760 (1.150)	91	137838			252.70- 312.70	271.27
16.760	16.760 (1.150)	63	16172			0.00- 30.00	31.83
150 tert-Butylbenzene					CAS #: 98-06-6		
17.064	17.064 (1.171)	119	214445	2.00000	2.235	70.00- 130.00	100.00
17.064	17.064 (1.171)	134	46403			0.00- 51.23	21.64
17.064	17.064 (1.171)	91	114606			0.00- 30.00	53.44
151 Pentachloroethane					CAS #: 76-01-7		
17.119	17.119 (1.175)	167	51415	2.00000	2.150	70.00- 130.00	100.00
17.119	17.119 (1.175)	117	49531			0.00- 30.00	96.34
152 sec-Butylbenzene					CAS #: 135-98-8		
17.313	17.313 (1.188)	105	258689	2.00000	2.249	70.00- 130.00	100.00
17.313	17.313 (1.188)	134	51832			0.00- 50.56	20.04
17.313	17.313 (1.188)	91	39734			0.00- 30.00	15.36
154 p-Cymene					CAS #: 99-87-6		
17.479	17.479 (1.199)	134	54541	2.00000	2.336	70.00- 130.00	100.00
17.479	17.479 (1.199)	119	199053			346.40- 406.40	364.96
17.479	17.479 (1.199)	91	42181			0.00- 30.00	77.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.589	17.589 (1.207)	120	67375	2.00000	2.386	70.00- 130.00	100.00
17.589	17.589 (1.207)	105	155136			196.77- 256.77	230.26
17.589	17.589 (1.207)	77	15977			0.00- 30.00	23.71
159 Butylbenzene					CAS #: 104-51-8		
17.866	17.866 (1.226)	134	51395	2.00000	2.102	70.00- 130.00	100.00
17.866	17.866 (1.226)	91	197130			314.63- 374.63	383.56
17.866	17.866 (1.226)	92	101072			0.00- 30.00	196.66
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.640	18.640 (1.279)	157	52607	2.00000	2.350	70.00- 130.00	100.00
18.612	18.612 (1.277)	75	52971			78.67- 138.67	100.69
18.640	18.640 (1.279)	155	40793			0.00- 30.00	77.54

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071702.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-17jul.b/t14q530c.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 17-JUL-2007
Calibration Time: 10:09
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	307788	184673	430903	370423	20.35
88 1,4-Difluorobenze	1283947	770368	1797526	1560090	21.51
125 Chlorobenzene-d5	928052	556831	1299273	1075642	15.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.41	0.37
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

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

Data File: /chem/msd8.i/8-17jul.b/8071702.d

Date : 17-JUL-2007 09:41

Client ID: Level 3

Sample Info: 2ml #1487-336

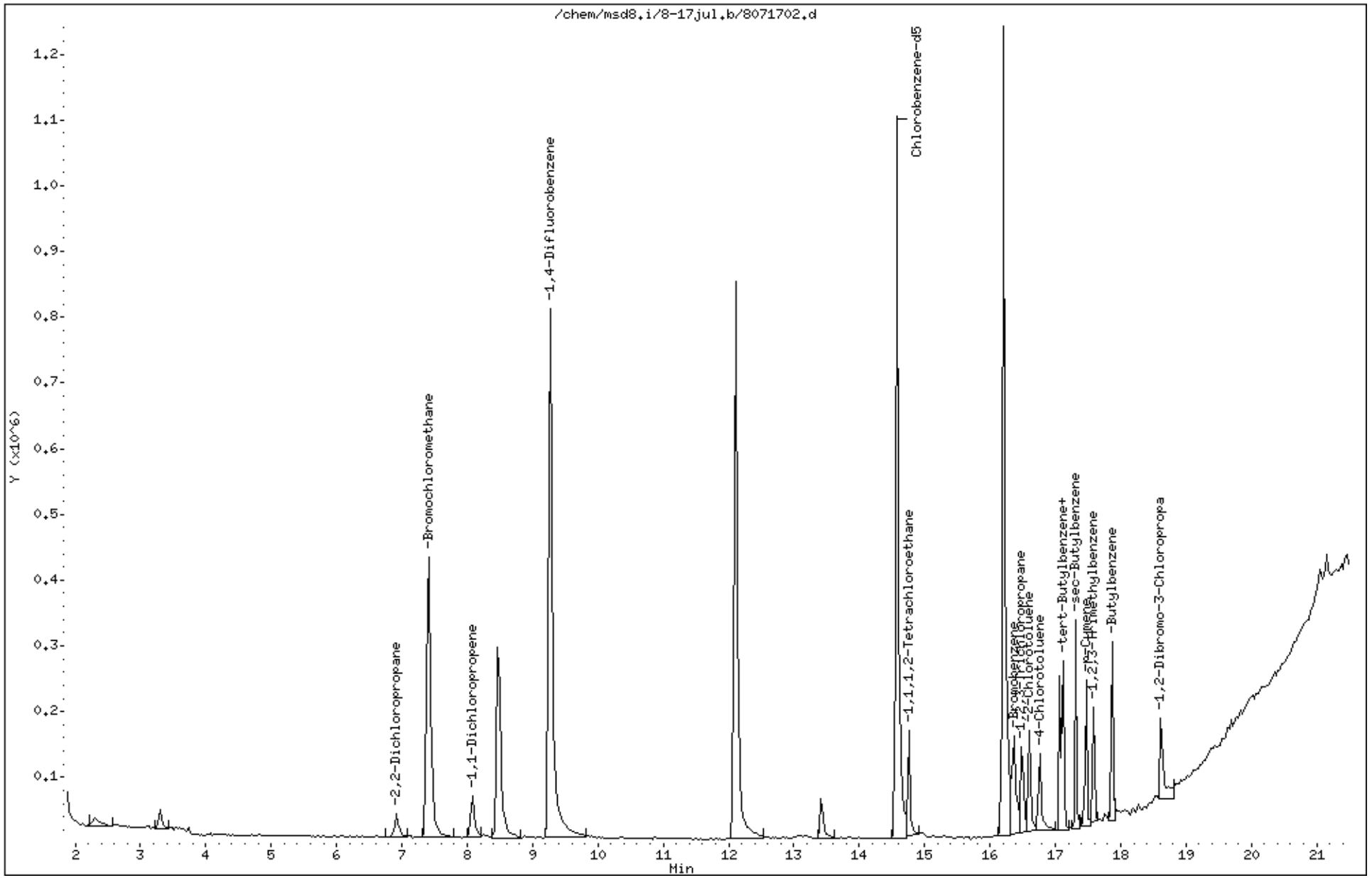
Column phase: RTx-624

Instrument: msd8.i

Operator: lmr

Column diameter: 0.53

0084



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07jun.b/8060704.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 07-JUN-2007 11:09
Operator : JG Inst ID: msd8.i
Smp Info : 2mL #1443-96
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msd8.i/8-07jun.b/t14q530b.m
Meth Date : 07-Jun-2007 13:41 jgray Quant Type: ISTD
Cal Date : 07-JUN-2007 11:09 Cal File: 8060704.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.387	7.387 (1.000)	130	359827	25.0000		70.00- 130.00		100.00
7.387	7.387 (1.000)	128	276445			42.98- 102.98		76.83
7.387	7.387 (1.000)	49	515800			112.53- 172.53		143.35
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1618571	25.0000		70.00- 130.00		100.00
9.267	9.267 (1.000)	88	239337			0.00- 44.58		14.79
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1231123	25.0000		70.00- 130.00		100.00
14.576	14.576 (1.000)	82	682772			0.00- 30.00		55.46
1 Freon 152a						CAS #: 75-37-6		
2.050	2.050 (0.278)	65	28430	2.00000	2.281	70.00- 130.00		100.00
2.078	2.078 (0.281)	51	113235			0.00- 30.00		398.29
20 Freon123a						CAS #: 354-23-4		
3.682	3.682 (0.498)	67	39913	2.00000	2.074	70.00- 130.00		100.00
3.709	3.709 (0.502)	117	33578			0.00- 30.00		84.13

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
21 Freon123					CAS #: 306-83-2		
3.792	3.792 (0.513)	83	24804	2.00000	2.045	70.00- 130.00	100.00
3.792	3.792 (0.513)	133	7379			0.00- 30.00	29.75
3.792	3.792 (0.513)	85	18073			0.00- 30.00	72.86
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.954	4.954 (0.671)	59	67488	2.00000	2.691	70.00- 130.00	100.00
4.954	4.954 (0.671)	41	16170			0.00- 30.00	23.96
4.954	4.954 (0.671)	57	7979			0.00- 30.00	11.82
49 Isopropyl ether					CAS #: 108-20-3		
5.949	5.949 (0.805)	45	127830	2.00000	2.038	70.00- 130.00	100.00
5.977	5.977 (0.809)	87	31904			0.00- 30.00	24.96
5.977	5.977 (0.809)	59	14776			0.00- 30.00	11.56
52 1-Propanol					CAS #: 71-23-8		
6.170	6.170 (0.835)	42	9618	2.00000	2.128	70.00- 130.00	100.00
6.170	6.170 (0.835)	59	11102			0.00- 30.00	115.43
6.170	6.170 (0.835)	41	10796			0.00- 30.00	112.25
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.585	6.585 (0.891)	59	75388	2.00000	1.800	70.00- 130.00	100.00(a)
6.585	6.585 (0.891)	87	27007			0.00- 30.00	35.82
6.585	6.585 (0.891)	41	10624			0.00- 30.00	14.09
61 Ethyl Acetate					CAS #: 141-78-6		
7.083	7.083 (0.959)	70	11438	2.00000	2.093	70.00- 130.00	100.00
7.083	7.083 (0.959)	43	92650			0.00- 30.00	810.02
7.083	7.083 (0.959)	61	15040			0.00- 30.00	131.49
78 Isobutanol					CAS #: 78-83-1		
8.437	8.437 (0.910)	43	35107	2.00000	1.890	70.00- 130.00	100.00
8.437	8.437 (0.910)	41	23753			0.00- 30.00	67.66
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.631	8.631 (1.168)	73	74928	2.00000	1.956	70.00- 130.00	100.00(a)
8.631	8.631 (1.168)	87	18030			0.00- 30.00	24.06
8.631	8.631 (1.168)	55	22510			0.00- 30.00	30.04
89 1-Butanol					CAS #: 71-36-3		
9.737	9.737 (1.051)	56	28801	2.00000	1.818	70.00- 130.00	100.00(a)
9.737	9.737 (1.051)	41	18725			0.00- 30.00	65.02
9.737	9.737 (1.051)	43	17406			0.00- 30.00	60.44
136 Cyclohexanone					CAS #: 108-94-1		
16.152	16.152 (1.108)	55	54831	2.00000	1.946	70.00- 130.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
136 Cyclohexanone (continued)							
16.152	16.152 (1.108)	98	24425			0.00- 30.00	44.55
16.152	16.152 (1.108)	42	35102			0.00- 30.00	64.02

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8060704.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd8.i/8-07jun.b/t14q530b.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 07-JUN-2007
Calibration Time: 11:37
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	350593	210356	490830	359827	2.63
88 1,4-Difluorobenze	1524282	914569	2133995	1618571	6.19
125 Chlorobenzene-d5	1168126	700876	1635376	1231123	5.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

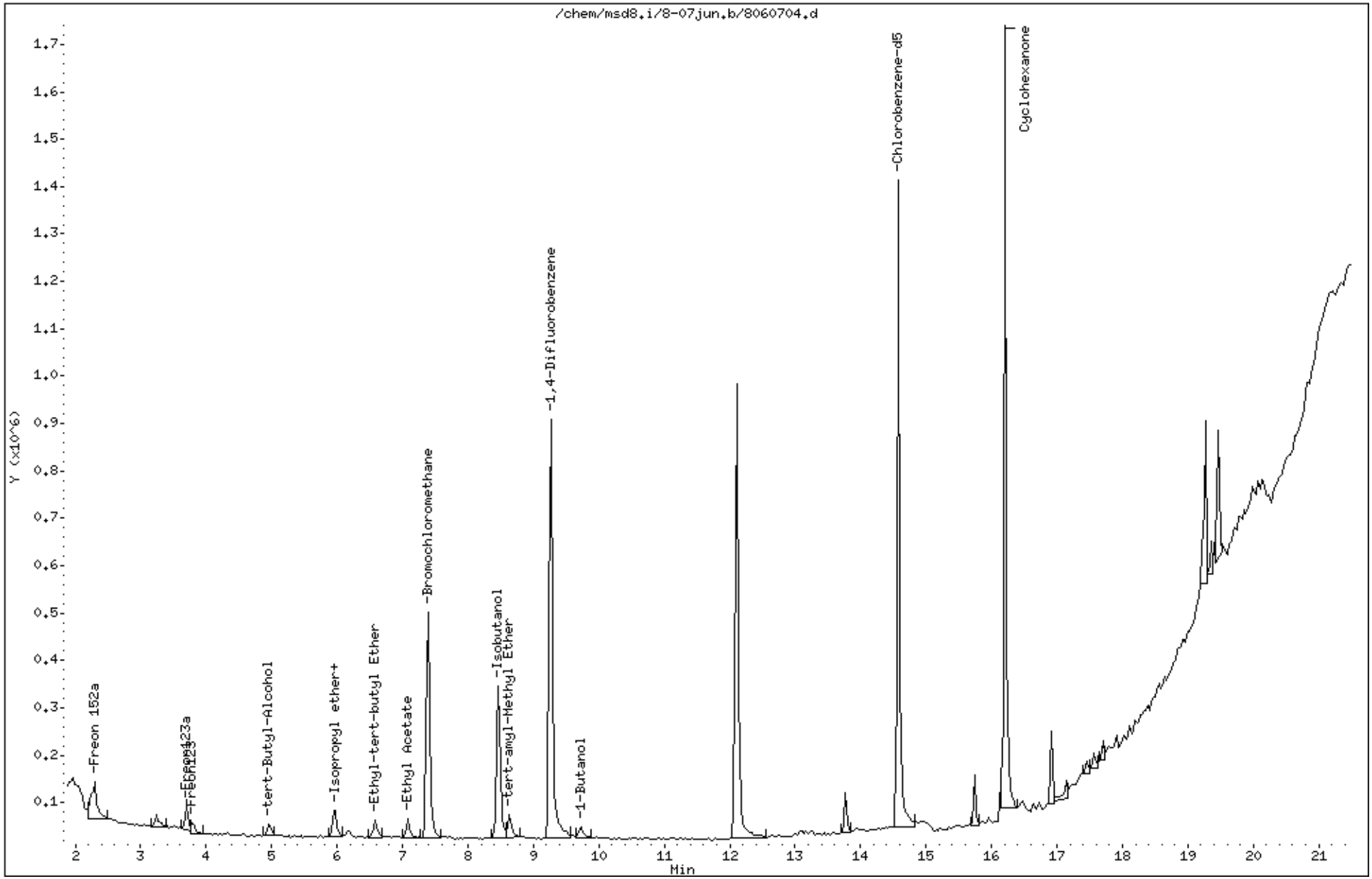
0089

Data File: /chem/msd8.i/8-07jun.b/8060704.d
Date : 07-JUN-2007 11:09
Client ID: Level 3
Sample Info: 2mL #1443-96

Instrument: msd8.i

Operator: JG
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053005.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 30-MAY-2007 15:07
Operator : db Inst ID: msd8.i
Smp Info : 2.0ml #1487-289
Misc Info : 200ppbv-2.0ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 31-May-2007 14:52 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 15:07 Cal File: 8053005.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.387	7.387 (1.000)	130	444018	25.0000		70.00- 130.00		100.00
7.387	7.387 (1.000)	128	343097			47.57- 107.57		77.27
7.387	7.387 (1.000)	49	663820			113.47- 173.47		149.50
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.267	9.267 (1.000)	114	2035031	25.0000		70.00- 130.00		100.00
9.267	9.267 (1.000)	88	289330			0.00- 45.68		14.22
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.576	14.576 (1.000)	117	1499190	25.0000		70.00- 130.00		100.00
14.576	14.576 (1.000)	82	846297			0.00- 30.00		56.45
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.465	8.465 (1.146)	65	590610	25.0000	25.415	70.00- 130.00		100.00
8.465	8.465 (1.146)	67	303638			0.00- 30.00		51.41
$ 104 Toluene-d8					CAS #: 2037-26-5			
12.115	12.115 (1.307)	98	1781631	25.0000	25.288	70.00- 130.00		100.00
12.115	12.115 (1.307)	70	175095			0.00- 30.00		9.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1161193			0.00- 30.00	65.18
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	877440	25.0000	24.599	70.00- 130.00	100.00
16.207	16.207 (1.112)	95	1139577			102.16- 162.16	129.88
16.207	16.207 (1.112)	176	835648			64.31- 124.31	95.24
3 Propylene					CAS #: 115-07-1		
2.023	2.023 (0.274)	41	68550	2.00000	2.852	70.00- 130.00	100.00
2.023	2.023 (0.274)	42	32909			0.00- 30.00	48.01
2.023	2.023 (0.274)	39	33753			0.00- 30.00	49.24
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.050 (0.278)	85	143030	2.00000	2.351	70.00- 130.00	100.00
2.050	2.050 (0.278)	87	45048			0.00- 30.00	31.50
6 Freon 114					CAS #: 76-14-2		
2.216	2.216 (0.300)	135	109387	2.00000	1.990	70.00- 130.00	100.00
2.216	2.216 (0.300)	137	29718			1.53- 61.53	27.17
8 Chloromethane					CAS #: 74-87-3		
2.299	2.299 (0.311)	50	62645	2.00000	2.236	70.00- 130.00	100.00
2.299	2.299 (0.311)	52	20724			0.00- 30.00	33.08
9 Butane					CAS #: 106-97-8		
2.382	2.382 (0.322)	58	17616	2.00000	2.408	70.00- 130.00	100.00
2.382	2.382 (0.322)	43	128408			0.00- 30.00	728.93
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.410 (0.326)	62	65793	2.00000	2.021	70.00- 130.00	100.00
2.437	2.437 (0.330)	64	27327			0.00- 30.00	41.53
10 1,3-Butadiene					CAS #: 106-99-0		
2.410	2.410 (0.326)	54	61421	2.00000	2.206	70.00- 130.00	100.00
2.410	2.410 (0.326)	39	64322			0.00- 30.00	104.72
13 Bromomethane					CAS #: 74-83-9		
2.852	2.852 (0.386)	94	42582	2.00000	1.958	70.00- 130.00	100.00
2.852	2.852 (0.386)	96	42273			65.03- 125.03	99.27
16 Chloroethane					CAS #: 75-00-3		
2.990	2.990 (0.405)	64	36761	2.00000	2.134	70.00- 130.00	100.00
2.990	2.990 (0.405)	49	9519			0.00- 30.00	25.89
2.990	2.990 (0.405)	66	10406			0.00- 30.00	28.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	84741	2.00000	2.085	70.00- 130.00	100.00
2.963	2.963 (0.401)	57	57480			0.00- 30.00	67.83
2.963	2.963 (0.401)	72	7193			0.00- 30.00	8.49
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.239	3.239 (0.439)	101	149777	2.00000	2.166	70.00- 130.00	100.00
3.239	3.239 (0.439)	103	91623			34.97- 94.97	61.17
23 Ethanol					CAS #: 64-17-5		
3.516	3.516 (0.476)	45	24067	2.00000	2.180	70.00- 130.00	100.00
3.516	3.516 (0.476)	43	13031			0.00- 30.00	54.14
3.516	3.516 (0.476)	46	11087			0.00- 30.00	46.07
28 Freon 113					CAS #: 76-13-1		
3.931	3.931 (0.532)	151	99380	2.00000	2.172	70.00- 130.00	100.00
3.931	3.931 (0.532)	153	59189			33.71- 93.71	59.56
3.931	3.931 (0.532)	101	109122			86.34- 146.34	109.80
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.986	3.986 (0.540)	61	96927	2.00000	2.133	70.00- 130.00	100.00
3.986	3.986 (0.540)	96	59254			30.42- 90.42	61.13
3.986	3.986 (0.540)	98	44431			8.39- 68.39	45.84
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	34898	2.00000	2.294	70.00- 130.00	100.00
4.124	4.124 (0.558)	43	95643			0.00- 30.00	274.06
33 Carbon Disulfide					CAS #: 75-15-0		
4.318	4.318 (0.584)	76	172959	2.00000	2.031	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	129095	2.00000	2.346	70.00- 130.00	100.00
4.318	4.318 (0.584)	43	34823			0.00- 30.00	26.97
4.318	4.318 (0.584)	59	7801			0.00- 30.00	6.04
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.566 (0.618)	76	25780	2.00000	1.898	70.00- 130.00	100.00(a)
4.566	4.566 (0.618)	41	78835			0.00- 30.00	305.80
40 Methylene Chloride					CAS #: 75-09-2		
4.843	4.843 (0.656)	49	72037	2.00000	2.118	70.00- 130.00	100.00
4.843	4.843 (0.656)	84	56488			41.01- 101.01	78.42
4.843	4.843 (0.656)	51	22744			0.00- 30.00	31.57
43 MTBE					CAS #: 1634-04-4		
5.175	5.175 (0.701)	73	78059	2.00000	1.614	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.147	5.147 (0.697)	57	21684			0.00- 53.82	27.78
5.147	5.147 (0.697)	41	16336			0.00- 30.00	20.93
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.202	5.202 (0.704)	96	70934	2.00000	2.206	70.00- 130.00	100.00
5.202	5.202 (0.704)	61	94977			119.04- 179.04	133.89
5.202	5.202 (0.704)	98	40611			0.00- 30.00	57.25
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	95925	2.00000	1.967	70.00- 130.00	100.00
5.534	5.534 (0.749)	43	60460			0.00- 30.00	63.03
5.534	5.534 (0.749)	86	15672			0.00- 30.00	16.34
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	114940	2.00000	2.193	70.00- 130.00	100.00
5.949	5.949 (0.805)	65	34286			1.22- 61.22	29.83
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	14556	2.00000	1.968	70.00- 130.00	100.00(a)
6.032	6.032 (0.817)	43	135869			0.00- 30.00	933.42
6.032	6.032 (0.817)	42	12791			0.00- 30.00	87.87
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	84153	2.00000	2.029	70.00- 130.00	100.00
6.972	6.972 (0.944)	96	66205			45.09- 105.09	78.67
6.972	6.972 (0.944)	98	40871			17.66- 77.66	48.57
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	30203	2.00000	2.052	70.00- 130.00	100.00
7.027	7.027 (0.951)	43	124260			398.56- 458.56	411.42
7.027	7.027 (0.951)	57	9637			0.00- 30.00	31.91
67 Tetrahydrofuran					CAS #: 109-99-9		
7.414	7.414 (1.004)	42	78266	2.00000	2.046	70.00- 130.00	100.00
7.414	7.414 (1.004)	71	36816			5.14- 65.14	47.04
7.414	7.414 (1.004)	72	33830			0.00- 30.00	43.22
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	105767	2.00000	2.018	70.00- 130.00	100.00
7.525	7.525 (1.019)	85	69135			31.98- 91.98	65.37
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	84366	2.00000	1.940	70.00- 130.00	100.00
7.746	7.746 (1.049)	56	109014			99.30- 159.30	129.22
7.746	7.746 (1.049)	41	61541			33.84- 93.84	72.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	108279	2.00000	1.972	70.00- 130.00	100.00
7.774	7.774 (1.052)	99	66999			34.73- 94.73	61.88
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	87757	2.00000	1.756	70.00- 130.00	100.00
7.995	7.995 (1.082)	117	99969			74.04- 134.04	113.92
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	185467	2.00000	2.017	70.00- 130.00	100.00
8.437	8.437 (0.910)	77	44486			0.00- 30.00	23.99
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	269118	2.00000	2.073	70.00- 130.00	100.00
8.465	8.465 (1.146)	56	84149			0.00- 30.00	31.27
8.465	8.465 (1.146)	41	62827			0.00- 30.00	23.35
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	74900	2.00000	2.008	70.00- 130.00	100.00
8.603	8.603 (0.928)	64	24637			0.00- 30.00	32.89
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	18594	2.00000	1.869	70.00- 130.00	100.00
8.852	8.852 (0.955)	43	110807			0.00- 30.00	595.93
8.852	8.852 (0.955)	71	61004			0.00- 30.00	328.08
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	73161	2.00000	2.008	70.00- 130.00	100.00
9.682	9.682 (1.045)	130	72926			77.84- 137.84	99.68
9.682	9.682 (1.045)	97	48621			34.22- 94.22	66.46
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	109945	2.00000	2.029	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	54584			0.00- 30.00	49.65
9.903	9.903 (1.341)	55	89274			0.00- 30.00	81.20
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	70027	2.00000	2.198	70.00- 130.00	100.00
10.179	10.179 (1.098)	62	47177			42.15- 102.15	67.37
10.179	10.179 (1.098)	41	36977			26.47- 86.47	52.80
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	40326	2.00000	2.075	70.00- 130.00	100.00
10.428	10.428 (1.125)	58	27930			44.03- 104.03	69.26
10.428	10.428 (1.125)	57	7847			0.00- 30.00	19.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	104941	2.00000	1.972	70.00- 130.00	100.00
10.732	10.732 (1.158)	85	62504			31.03- 91.03	59.56
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	85811	2.00000	1.938	70.00- 130.00	100.00
11.672	11.672 (1.260)	77	26235			1.19- 61.19	30.57
11.672	11.672 (1.260)	39	39774			16.93- 76.93	46.35
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	49522	2.00000	2.067	70.00- 130.00	100.00(M)
12.032	12.032 (1.298)	43	123001			0.00- 30.00	248.38
12.032	12.032 (1.298)	85	21457			0.00- 30.00	43.33
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	186889	2.00000	2.000	70.00- 130.00	100.00
12.253	12.253 (1.322)	92	110346			30.46- 90.46	59.04
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.861	12.861 (0.882)	75	84129	2.00000	1.936	70.00- 130.00	100.00
12.861	12.861 (0.882)	77	21596			0.11- 60.11	25.67
12.834	12.834 (0.880)	39	40030			15.75- 75.75	47.58
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	63448	2.00000	1.990	70.00- 130.00	100.00
13.138	13.138 (0.901)	99	41614			31.47- 91.47	65.59
13.138	13.138 (0.901)	83	50435			58.25- 118.25	79.49
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	89856	2.00000	2.083	70.00- 130.00	100.00
13.193	13.193 (0.905)	129	69545			45.90- 105.90	77.40
13.193	13.193 (0.905)	131	66172			43.88- 103.88	73.64
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	52105	2.00000	1.650	70.00- 130.00	100.00(a)
13.580	13.580 (0.932)	43	110802			147.03- 207.03	212.65
13.580	13.580 (0.932)	100	12762			0.00- 30.00	24.49
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.718 (0.941)	129	95939	2.00000	1.920	70.00- 130.00	100.00
13.718	13.718 (0.941)	127	73156			0.00- 30.00	76.25
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	96620	2.00000	1.989	70.00- 130.00	100.00
13.884	13.884 (0.953)	109	96596			65.18- 125.18	99.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.631	14.631 (1.004)	112	172950	2.00000	2.247	70.00- 130.00	100.00
14.631	14.631 (1.004)	114	49642			1.91- 61.91	28.70
14.603	14.603 (1.002)	77	98312			26.50- 86.50	56.84
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	80000	2.00000	1.964	70.00- 130.00	100.00
14.769	14.769 (1.013)	91	248489			0.00- 30.00	310.61
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	101958	2.00000	2.054	70.00- 130.00	100.00
14.935	14.935 (1.025)	91	191884			0.00- 30.00	188.20
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	101432	2.00000	2.025	70.00- 130.00	100.00
15.488	15.488 (1.063)	91	208881			177.47- 237.47	205.93
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	133562	2.00000	1.870	70.00- 130.00	100.00
15.516	15.516 (1.064)	78	71778			20.25- 80.25	53.74
135 Bromoform					CAS #: 75-25-2		
15.764	15.764 (1.082)	173	78478	2.00000	1.786	70.00- 130.00	100.00
15.764	15.764 (1.082)	171	40496			21.05- 81.05	51.60
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	282468	2.00000	2.063	70.00- 130.00	100.00
15.958	15.958 (1.095)	120	74218			0.00- 30.00	26.27
15.958	15.958 (1.095)	51	28040			0.00- 30.00	9.93
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	148008	2.00000	2.020	70.00- 130.00	100.00
16.456	16.456 (1.129)	85	94627			31.99- 91.99	63.93
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	328901	2.00000	2.097	70.00- 130.00	100.00
16.483	16.483 (1.131)	120	75360			0.00- 30.00	22.91
16.483	16.483 (1.131)	105	9519			0.00- 30.00	2.89
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	271508	2.00000	2.019	70.00- 130.00	100.00
16.649	16.649 (1.142)	120	87836			0.00- 59.60	32.35
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	279904	2.00000	2.166	70.00- 130.00	100.00
16.732	16.732 (1.148)	120	137880			0.00- 30.00	49.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	275228	2.00000	2.116	70.00- 130.00	100.00
17.147	17.147 (1.176)	120	129173			15.41- 75.41	46.93
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	167109	2.00000	1.971	70.00- 130.00	100.00
17.451	17.451 (1.197)	148	106537			0.00- 30.00	63.75
17.451	17.451 (1.197)	111	73203			0.00- 30.00	43.81
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	138434	2.00000	1.722	70.00- 130.00	100.00
17.562	17.562 (1.205)	148	127853			0.00- 30.00	92.36
17.562	17.562 (1.205)	111	69398			0.00- 30.00	50.13
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	230635	2.00000	1.974	70.00- 130.00	100.00
17.700	17.700 (1.214)	126	47342			0.00- 30.00	20.53
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	165520	2.00000	2.026	70.00- 130.00	100.00
17.921	17.921 (1.230)	148	106977			32.70- 92.70	64.63
17.921	17.921 (1.230)	111	68354			7.07- 67.07	41.30
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	177945	2.00000	2.155	70.00- 130.00	100.00
19.276	19.276 (1.322)	182	166734			65.19- 125.19	93.70
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	114250	2.00000	2.411	70.00- 130.00	100.00
19.359	19.359 (1.328)	223	74622			33.26- 93.26	65.31
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	467801	2.00000	2.687	70.00- 130.00	100.00
19.470	19.470 (1.336)	127	67084			0.00- 30.00	14.34

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 31-May-2007 14:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053005.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-2.0ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 16:03
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	441133	264680	617586	444018	0.65
88 1,4-Difluorobenze	1992312	1195387	2789237	2035031	2.14
125 Chlorobenzene-d5	1475337	885202	2065472	1499190	1.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

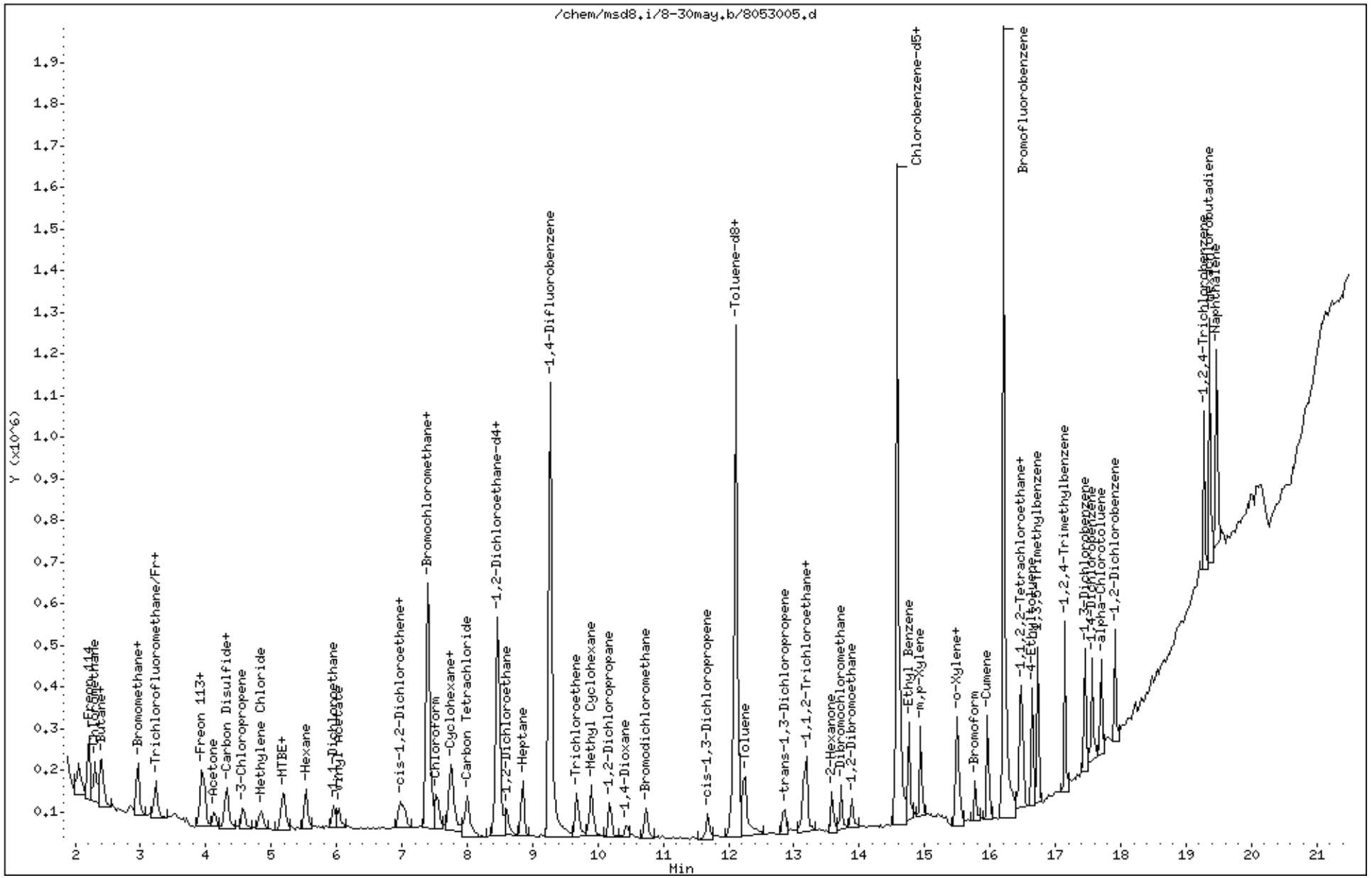
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd8.i/8-30may.b/8053005.d
Date : 30-MAY-2007 15:07
Client ID: Level 3
Sample Info: 2.0ml #1487-289

Column phase: RTx-624

Instrument: msd8.i

Operator: db
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053006.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 30-MAY-2007 15:35
Operator : db Inst ID: msd8.i
Smp Info : 25ml #1487-289
Misc Info : 200ppbv-25ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 01-Jun-2007 10:56 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 15:35 Cal File: 8053006.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.415 (1.000)	130	442807	25.0000		80.00- 120.00	100.00
7.387	7.415 (1.000)	128	348882			48.60- 108.60	78.79
7.387	7.415 (1.000)	49	642051			114.98- 174.98	145.00
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	2029767	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	305336			0.00- 45.16	15.04
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1539410	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	880295			0.00- 30.00	57.18
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	557163	25.0000	24.041	80.00- 120.00	100.00
8.465	8.465 (1.146)	67	328511			0.00- 30.00	58.96
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1689996	25.0000	24.050	80.00- 120.00	100.00
12.115	12.115 (1.307)	70	173996			0.00- 30.00	10.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1337051			0.00- 30.00	79.12
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	923372	25.0000	25.210	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	1221505			105.65- 165.65	132.29
16.207	16.207 (1.112)	176	870157			66.34- 126.34	94.24
3 Propylene					CAS #: 115-07-1		
1.995	1.995 (0.270)	41	583695	25.0000	24.354	70.00- 130.00	100.00
1.995	1.995 (0.270)	42	385435			0.00- 30.00	66.03
1.995	1.995 (0.270)	39	385271			0.00- 30.00	66.01
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.078 (0.278)	85	1479581	25.0000	24.389	80.00- 120.00	100.00
2.050	2.078 (0.278)	87	460934			0.00- 30.00	31.15
6 Freon 114					CAS #: 76-14-2		
2.161	2.189 (0.293)	135	1377957	25.0000	25.142	80.00- 120.00	100.00
2.161	2.189 (0.293)	137	436681			0.71- 60.71	31.69
8 Chloromethane					CAS #: 74-87-3		
2.272	2.299 (0.308)	50	730257	25.0000	26.138	80.00- 120.00	100.00
2.272	2.299 (0.308)	52	232404			0.00- 30.00	31.82
9 Butane					CAS #: 106-97-8		
2.327	2.355 (0.315)	58	190942	25.0000	26.170	70.00- 130.00	100.00
2.327	2.355 (0.315)	43	1372202			0.00- 30.00	718.65
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.438 (0.326)	62	788546	25.0000	24.290	80.00- 120.00	100.00
2.410	2.438 (0.326)	64	250595			0.00- 30.00	31.78
10 1,3-Butadiene					CAS #: 106-99-0		
2.382	2.410 (0.322)	54	644846	25.0000	23.222	80.00- 120.00	100.00
2.382	2.410 (0.322)	39	672011			0.00- 30.00	104.21
13 Bromomethane					CAS #: 74-83-9		
2.852	2.880 (0.386)	94	560666	25.0000	25.851	80.00- 120.00	100.00
2.852	2.880 (0.386)	96	514411			63.65- 123.65	91.75
16 Chloroethane					CAS #: 75-00-3		
2.935	2.991 (0.397)	64	435981	25.0000	25.376	80.00- 120.00	100.00
2.935	2.991 (0.397)	49	106716			0.00- 30.00	24.48
2.935	2.991 (0.397)	66	126764			0.00- 30.00	29.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.935	2.963 (0.397)	43	1053632	25.0000	25.992	70.00- 130.00	100.00
2.963	2.963 (0.401)	57	687436			0.00- 30.00	65.24
2.963	2.963 (0.401)	72	78712			0.00- 30.00	7.47
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.239 (0.435)	101	1753350	25.0000	25.428	80.00- 120.00	100.00
3.212	3.239 (0.435)	103	1132129			34.50- 94.50	64.57
23 Ethanol					CAS #: 64-17-5		
3.516	3.544 (0.476)	45	293783	25.0000	26.681	80.00- 120.00	100.00
3.516	3.544 (0.476)	43	57563			0.00- 30.00	19.59
3.516	3.544 (0.476)	46	113176			0.00- 30.00	38.52
28 Freon 113					CAS #: 76-13-1		
3.930	3.958 (0.532)	151	1151774	25.0000	25.246	80.00- 120.00	100.00
3.930	3.958 (0.532)	153	703274			34.32- 94.32	61.06
3.930	3.958 (0.532)	101	1334210			85.50- 145.50	115.84
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.986 (0.536)	61	1137998	25.0000	25.117	80.00- 120.00	100.00
3.958	3.986 (0.536)	96	688816			29.81- 89.81	60.53
3.958	3.986 (0.536)	98	424092			9.00- 69.00	37.27
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	378307	25.0000	24.930	80.00- 120.00	100.00
4.124	4.124 (0.558)	43	1131658			0.00- 30.00	299.14
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	2121278	25.0000	24.982	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	1370148	25.0000	24.973	80.00- 120.00	100.00
4.318	4.318 (0.584)	43	262313			0.00- 30.00	19.14
4.318	4.318 (0.584)	59	54411			0.00- 30.00	3.97
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.594 (0.618)	76	360688	25.0000	26.626	80.00- 120.00	100.00
4.566	4.594 (0.618)	41	1082431			0.00- 30.00	300.10
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	845544	25.0000	24.927	80.00- 120.00	100.00
4.815	4.815 (0.652)	84	605378			40.47- 100.47	71.60
4.815	4.815 (0.652)	51	259145			0.00- 30.00	30.65
43 MTBE					CAS #: 1634-04-4		
5.147	5.175 (0.697)	73	1407624	25.0000	29.179	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.147	5.175 (0.697)	57	327200			0.00- 52.63	23.24
5.147	5.175 (0.697)	41	310806			0.00- 30.00	22.08
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.203 (0.701)	96	762528	25.0000	23.784	80.00- 120.00	100.00
5.175	5.203 (0.701)	61	1150624			119.47- 179.47	150.90
5.175	5.203 (0.701)	98	496217			0.00- 30.00	65.08
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	1205663	25.0000	24.795	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	773376			0.00- 30.00	64.15
5.534	5.534 (0.749)	86	198943			0.00- 30.00	16.50
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	1328399	25.0000	25.417	80.00- 120.00	100.00
5.949	5.949 (0.805)	65	419788			1.86- 61.86	31.60
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	186162	25.0000	25.232	70.00- 130.00	100.00
6.032	6.032 (0.817)	43	2005122			0.00- 30.00	1077.08
6.032	6.032 (0.817)	42	151750			0.00- 30.00	81.52
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	1009566	25.0000	24.407	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	744531			43.20- 103.20	73.75
6.972	6.972 (0.944)	98	478476			17.85- 77.85	47.39
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	348381	25.0000	23.740	80.00- 120.00	100.00
7.027	7.027 (0.951)	43	1511122			409.65- 469.65	433.76
7.027	7.027 (0.951)	57	115798			0.00- 30.00	33.24
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.415 (1.000)	42	937522	25.0000	24.579	80.00- 120.00	100.00
7.387	7.415 (1.000)	71	331869			5.48- 65.48	35.40
7.414	7.415 (1.004)	72	366437			0.00- 30.00	39.09
70 Chloroform					CAS #: 67-66-3		
7.525	7.553 (1.019)	83	1299284	25.0000	24.858	80.00- 120.00	100.00
7.525	7.553 (1.019)	85	810995			32.67- 92.67	62.42
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	1057678	25.0000	24.389	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	1367225			96.25- 156.25	129.27
7.746	7.746 (1.049)	41	682191			32.28- 92.28	64.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	1343871	25.0000	24.539	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	876393			34.55- 94.55	65.21
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	8.023 (1.082)	119	1303695	25.0000	26.160	80.00- 120.00	100.00
7.995	8.023 (1.082)	117	1329642			73.30- 133.30	101.99
81 Benzene					CAS #: 71-43-2		
8.437	8.438 (0.910)	78	2220324	25.0000	24.214	80.00- 120.00	100.00
8.437	8.438 (0.910)	77	477752			0.00- 30.00	21.52
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	3208710	25.0000	24.784	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	1043397			0.00- 30.00	32.52
8.465	8.465 (1.146)	41	660582			0.00- 30.00	20.59
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	912402	25.0000	24.525	80.00- 120.00	100.00
8.603	8.603 (0.928)	64	284806			0.00- 30.00	31.21
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	223706	25.0000	22.544	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	1246808			0.00- 30.00	557.34
8.852	8.852 (0.955)	71	718610			0.00- 30.00	321.23
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	899732	25.0000	24.760	80.00- 120.00	100.00
9.682	9.682 (1.045)	130	950218			78.57- 138.57	105.61
9.682	9.682 (1.045)	97	567162			34.08- 94.08	63.04
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	1353516	25.0000	25.052	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	623110			0.00- 30.00	46.04
9.903	9.903 (1.341)	55	1057240			0.00- 30.00	78.11
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	774557	25.0000	24.374	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	537358			42.26- 102.26	69.38
10.179	10.179 (1.098)	41	444960			26.77- 86.77	57.45
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	491146	25.0000	25.340	80.00- 120.00	100.00
10.428	10.428 (1.125)	58	356106			41.45- 101.45	72.51
10.428	10.428 (1.125)	57	107866			0.00- 30.00	21.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	1309837	25.0000	24.679	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	812676			31.75- 91.75	62.04
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.673 (1.260)	75	1088954	25.0000	24.658	80.00- 120.00	100.00
11.672	11.673 (1.260)	77	332460			1.36- 61.36	30.53
11.672	11.673 (1.260)	39	522028			17.70- 77.70	47.94
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	595289	25.0000	24.917	80.00- 120.00	100.00
12.032	12.032 (1.298)	43	1462778			0.00- 30.00	245.73
12.032	12.032 (1.298)	85	250389			0.00- 30.00	42.06
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	2271771	25.0000	24.377	80.00- 120.00	100.00
12.253	12.253 (1.322)	92	1302497			29.69- 89.69	57.33
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.861 (0.880)	75	1101495	25.0000	24.681	80.00- 120.00	100.00
12.834	12.861 (0.880)	77	341616			0.08- 60.08	31.01
12.834	12.861 (0.880)	39	503742			15.97- 75.97	45.73
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	785392	25.0000	23.996	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	476630			29.85- 89.85	60.69
13.138	13.138 (0.901)	83	661660			54.93- 114.93	84.25
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	1075849	25.0000	24.286	80.00- 120.00	100.00
13.193	13.193 (0.905)	129	832653			45.08- 105.08	77.39
13.193	13.193 (0.905)	131	811520			44.22- 104.22	75.43
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	818770	25.0000	25.246	80.00- 120.00	100.00
13.580	13.580 (0.932)	43	1453939			148.62- 208.62	177.58
13.580	13.580 (0.932)	100	165065			0.00- 30.00	20.16
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.719 (0.941)	129	1251408	25.0000	24.396	80.00- 120.00	100.00
13.718	13.719 (0.941)	127	988822			0.00- 30.00	79.02
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	1209824	25.0000	24.258	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	1141289			63.81- 123.81	94.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.603	14.631 (1.002)	112	1910705	25.0000	24.172	80.00- 120.00	100.00
14.631	14.631 (1.004)	114	623141			1.84- 61.84	32.61
14.603	14.631 (1.002)	77	1069076			26.78- 86.78	55.95
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	987199	25.0000	23.600	80.00- 120.00	100.00
14.769	14.769 (1.013)	91	3031265			0.00- 30.00	307.06
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	1223079	25.0000	23.994	80.00- 120.00	100.00
14.935	14.935 (1.025)	91	2365743			0.00- 30.00	193.43
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	1240684	25.0000	24.120	80.00- 120.00	100.00
15.488	15.488 (1.063)	91	2526182			178.74- 238.74	203.61
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	1736719	25.0000	23.686	80.00- 120.00	100.00
15.516	15.516 (1.064)	78	866978			20.27- 80.27	49.92
135 Bromoform					CAS #: 75-25-2		
15.764	15.765 (1.082)	173	1132279	25.0000	25.095	80.00- 120.00	100.00
15.764	15.765 (1.082)	171	579428			20.67- 80.67	51.17
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	3402095	25.0000	24.198	80.00- 120.00	100.00
15.958	15.958 (1.095)	120	915816			0.00- 30.00	26.92
15.958	15.958 (1.095)	51	322973			0.00- 30.00	9.49
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	1774511	25.0000	23.590	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	1091597			31.59- 91.59	61.52
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.484 (1.131)	91	4041657	25.0000	25.100	80.00- 120.00	100.00
16.483	16.484 (1.131)	120	954510			0.00- 30.00	23.62
16.483	16.484 (1.131)	105	145225			0.00- 30.00	3.59
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	3616568	25.0000	26.197	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	1114974			0.00- 59.85	30.83
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	3346408	25.0000	25.218	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	1670014			0.00- 30.00	49.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	3467382	25.0000	25.959	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	1561865			15.22- 75.22	45.04
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	2193262	25.0000	25.189	80.00- 120.00	100.00
17.451	17.451 (1.197)	148	1371901			0.00- 30.00	62.55
17.451	17.451 (1.197)	111	918858			0.00- 30.00	41.89
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	1979487	25.0000	23.988	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	1208680			0.00- 30.00	61.06
17.562	17.562 (1.205)	111	686076			0.00- 30.00	34.66
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	3074757	25.0000	25.634	80.00- 120.00	100.00
17.700	17.700 (1.214)	126	653675			0.00- 30.00	21.26
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	1978729	25.0000	23.591	80.00- 120.00	100.00
17.921	17.921 (1.230)	148	1274964			33.37- 93.37	64.43
17.921	17.921 (1.230)	111	743013			7.65- 67.65	37.55
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	1941314	25.0000	22.900	80.00- 120.00	100.00
19.276	19.276 (1.322)	182	1852644			64.68- 124.68	95.43
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	1156590	25.0000	23.769	80.00- 120.00	100.00
19.359	19.359 (1.328)	223	748967			33.22- 93.22	64.76
169 Naphthalene					CAS #: 91-20-3		
19.469	19.470 (1.336)	128	4917090	25.0000	27.503	80.00- 120.00	100.00
19.469	19.470 (1.336)	127	601613			0.00- 30.00	12.24

Report Date: 01-Jun-2007 13:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053006.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-25ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 15:35
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	448309	268985	627633	442807	-1.23
88 1,4-Difluorobenze	2033490	1220094	2846886	2029767	-0.18
125 Chlorobenzene-d5	1524596	914758	2134434	1539410	0.97

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

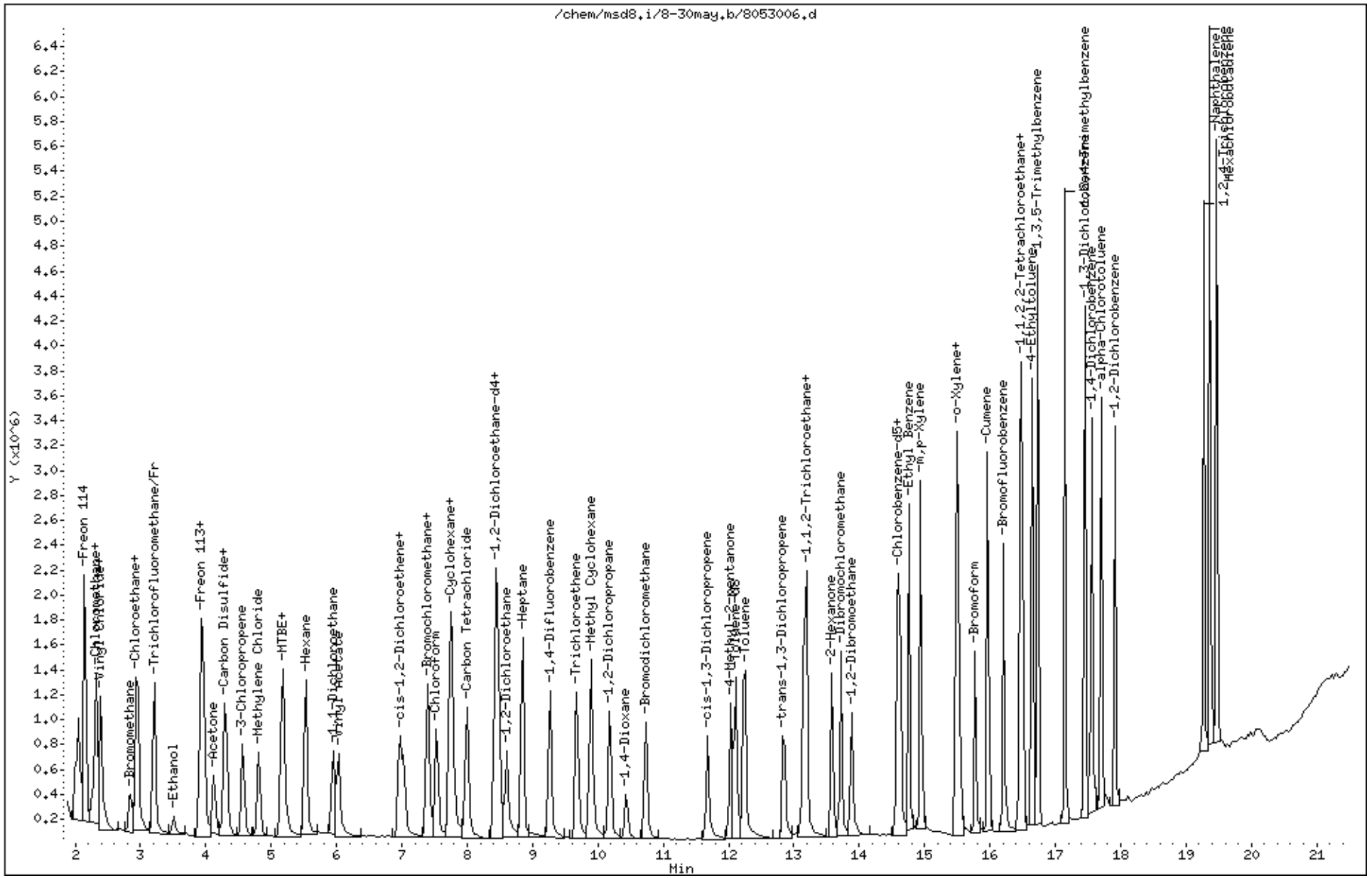
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0109

Data File: /chem/msd8.i/8-30may.b/8053006.d
Date : 30-MAY-2007 15:35
Client ID: Level 4
Sample Info: 25ml #1487-289

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-17jul.b/8071703.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 17-JUL-2007 10:09
Operator : lmr Inst ID: msd8.i
Smp Info : 50ml #1487-336
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd8.i/8-17jul.b/t14q530c.m
Meth Date : 17-Jul-2007 12:49 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 10:09 Cal File: 8071703.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.387	7.387 (1.000)	130	307788	25.0000		80.00- 120.00	100.00
7.387	7.387 (1.000)	128	234218			46.10- 106.10	76.10
7.387	7.387 (1.000)	49	461979			120.10- 180.10	150.10
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.267	9.267 (1.000)	114	1283947	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	187113			0.00- 44.57	14.57
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.576	14.576 (1.000)	117	928052	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	530954			27.21- 87.21	57.21
60 2,2-Dichloropropane						CAS #: 594-20-7	
6.917	6.917 (0.936)	77	1127602	50.0000	50.000	80.00- 120.00	100.00
6.917	6.917 (0.936)	79	364498			2.33- 62.33	32.33
6.917	6.917 (0.936)	97	213373			0.00- 48.92	18.92
72 1,1-Dichloropropene						CAS #: 563-58-6	
8.078	8.078 (1.094)	110	363294	50.0000	50.000	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	72 1,1-Dichloropropene (continued)						
8.078	8.078 (1.094)	75	1007330			247.28- 307.28	277.28
	123 1,1,1,2-Tetrachloroethane				CAS #: 630-20-6		
14.769	14.769 (1.013)	131	972879	50.0000	50.000	80.00- 120.00	100.00
14.769	14.769 (1.013)	117	593860			31.04- 91.04	61.04
14.769	14.769 (1.013)	95	373487			8.39- 68.39	38.39
	139 Bromobenzene				CAS #: 108-86-1		
16.373	16.373 (1.123)	156	947255	50.0000	50.000	80.00- 120.00	100.00
16.345	16.345 (1.121)	77	1511400			129.56- 189.56	159.56
16.373	16.373 (1.123)	158	1002601			75.84- 135.84	105.84
	141 1,2,3-Trichloropropane				CAS #: 96-18-4		
16.484	16.484 (1.131)	110	487443	50.0000	50.000	80.00- 120.00	100.00
16.484	16.484 (1.131)	61	351123			42.03- 102.03	72.03
16.484	16.484 (1.131)	112	310981			33.80- 93.80	63.80
	143 2-Chlorotoluene				CAS #: 95-49-8		
16.594	16.594 (1.138)	126	806985	50.0000	50.000	80.00- 120.00	100.00
16.594	16.594 (1.138)	91	2429987			271.12- 331.12	301.12
16.594	16.594 (1.138)	65	234617			0.00- 59.07	29.07
	146 4-Chlorotoluene				CAS #: 106-43-4		
16.760	16.760 (1.150)	126	681411	50.0000	50.000	80.00- 120.00	100.00
16.760	16.760 (1.150)	91	1926337			252.70- 312.70	282.70
16.760	16.760 (1.150)	63	267963			9.32- 69.32	39.32
	150 tert-Butylbenzene				CAS #: 98-06-6		
17.064	17.064 (1.171)	119	3651148	50.0000	50.000	80.00- 120.00	100.00
17.064	17.064 (1.171)	134	775181			0.00- 51.23	21.23
17.064	17.064 (1.171)	91	1844496			20.52- 80.52	50.52
	151 Pentachloroethane				CAS #: 76-01-7		
17.120	17.120 (1.175)	167	954031	50.0000	50.000	80.00- 120.00	100.00
17.120	17.120 (1.175)	117	924673			66.92- 126.92	96.92
	152 sec-Butylbenzene				CAS #: 135-98-8		
17.313	17.313 (1.188)	105	4342756	50.0000	50.000	80.00- 120.00	100.00
17.313	17.313 (1.188)	134	892676			0.00- 50.56	20.56
17.313	17.313 (1.188)	91	648995			0.00- 44.94	14.94
	154 p-Cymene				CAS #: 99-87-6		
17.479	17.479 (1.199)	134	838158	50.0000	50.000	80.00- 120.00	100.00
17.479	17.479 (1.199)	119	3154855			346.40- 406.40	376.40
17.479	17.479 (1.199)	91	700793			53.61- 113.61	83.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.590	17.590 (1.207)	120	982637	50.0000	50.000	80.00- 120.00	100.00
17.590	17.590 (1.207)	105	2228320			196.77- 256.77	226.77
17.590	17.590 (1.207)	77	254407			0.00- 55.89	25.89
159 Butylbenzene					CAS #: 104-51-8		
17.866	17.866 (1.226)	134	1000775	50.0000	50.000	80.00- 120.00	100.00
17.866	17.866 (1.226)	91	3448928			314.63- 374.63	344.63
17.866	17.866 (1.226)	92	1864908			156.35- 216.35	186.35
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.613	18.613 (1.277)	157	796671	50.0000	50.000	80.00- 120.00	100.00
18.613	18.613 (1.277)	75	865735			78.67- 138.67	108.67
18.613	18.613 (1.277)	155	618269			47.61- 107.61	77.61

Report Date: 17-Jul-2007 12:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071703.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-17jul.b/t14q530c.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 17-JUL-2007
Calibration Time: 10:09
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	307788	184673	430903	307788	0.00
88 1,4-Difluorobenze	1283947	770368	1797526	1283947	0.00
125 Chlorobenzene-d5	928052	556831	1299273	928052	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

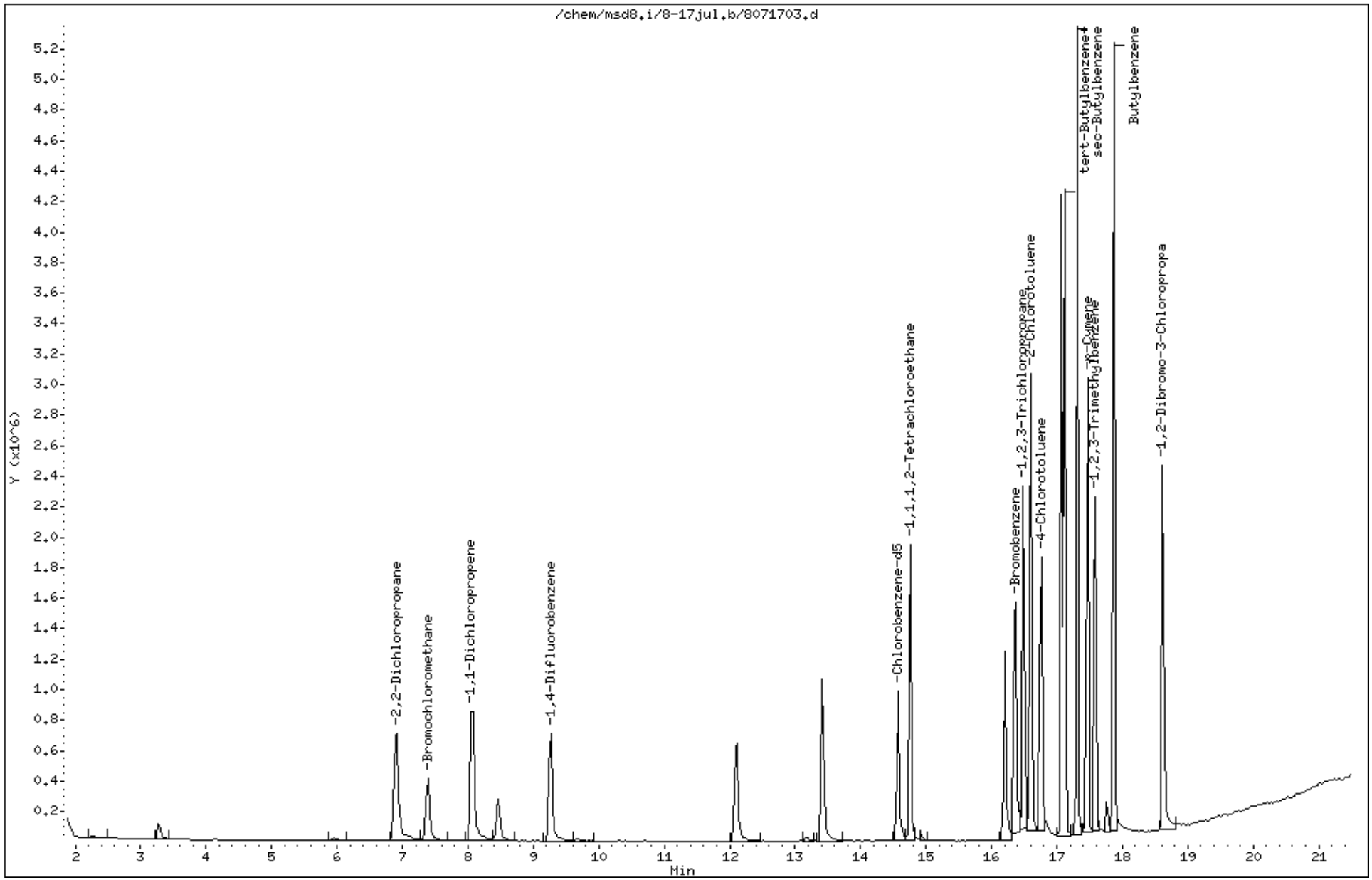
0114

Data File: /chem/msd8.i/8-17jul.b/8071703.d
Date : 17-JUL-2007 10:09
Client ID: Level 5
Sample Info: 50ml #1487-336

Column phase: RTx-624

Instrument: msd8.i

Operator: lmr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07jun.b/8060705.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 07-JUN-2007 11:37
Operator : JG Inst ID: msd8.i
Smp Info : 50ml #1443-96
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd8.i/8-07jun.b/t14q530b.m
Meth Date : 07-Jun-2007 13:41 jgray Quant Type: ISTD
Cal Date : 07-JUN-2007 11:37 Cal File: 8060705.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	350593	25.0000		80.00- 120.00	100.00
7.387	7.387 (1.000)	128	255876			42.98- 102.98	72.98
7.387	7.387 (1.000)	49	499697			112.53- 172.53	142.53
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1524282	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	222191			0.00- 44.58	14.58
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1168126	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	655064			26.08- 86.08	56.08
1 Freon 152a					CAS #: 75-37-6		
1.995	1.995 (0.270)	65	553785	50.0000	45.598	80.00- 120.00	100.00
2.050	2.050 (0.278)	51	2608865			441.10- 501.10	471.10
20 Freon123a					CAS #: 354-23-4		
3.682	3.682 (0.498)	67	930646	50.0000	49.628	80.00- 120.00	100.00
3.682	3.682 (0.498)	117	739080			49.42- 109.42	79.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
21 Freon123					CAS #: 306-83-2		
3.792	3.792 (0.513)	83	592112	50.0000	50.099	80.00- 120.00	100.00
3.792	3.792 (0.513)	133	115001			0.00- 49.42	19.42
3.792	3.792 (0.513)	85	439319			44.20- 104.20	74.20
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.954	4.954 (0.671)	59	1213562	50.0000	49.665	80.00- 120.00	100.00
4.954	4.954 (0.671)	41	281263			0.00- 53.18	23.18
4.954	4.954 (0.671)	57	119569			0.00- 39.85	9.85
49 Isopropyl ether					CAS #: 108-20-3		
5.949	5.949 (0.805)	45	3071363	50.0000	50.259	80.00- 120.00	100.00
5.949	5.949 (0.805)	87	793048			0.00- 55.82	25.82
5.949	5.949 (0.805)	59	334819			0.00- 40.90	10.90
52 1-Propanol					CAS #: 71-23-8		
6.170	6.170 (0.835)	42	208766	50.0000	47.398	80.00- 120.00	100.00
6.170	6.170 (0.835)	59	279123			103.70- 163.70	133.70
6.170	6.170 (0.835)	41	166970			49.98- 109.98	79.98
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.585	6.585 (0.891)	59	2332280	50.0000	57.162	80.00- 120.00	100.00
6.585	6.585 (0.891)	87	900443			8.61- 68.61	38.61
6.585	6.585 (0.891)	41	405190			0.00- 47.37	17.37
61 Ethyl Acetate					CAS #: 141-78-6		
7.083	7.083 (0.959)	70	262488	50.0000	49.298	80.00- 120.00	100.00
7.083	7.083 (0.959)	43	2435365			897.80- 957.80	927.80
7.083	7.083 (0.959)	61	345569			101.65- 161.65	131.65
78 Isobutanol					CAS #: 78-83-1		
8.437	8.437 (0.910)	43	901547	50.0000	51.531	80.00- 120.00	100.00
8.437	8.437 (0.910)	41	603783			36.97- 96.97	66.97
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.631	8.631 (1.168)	73	2090649	50.0000	56.030	80.00- 120.00	100.00
8.631	8.631 (1.168)	87	519620			0.00- 54.85	24.85
8.631	8.631 (1.168)	55	584782			0.00- 57.97	27.97
89 1-Butanol					CAS #: 71-36-3		
9.709	9.709 (1.048)	56	753331	50.0000	50.488	80.00- 120.00	100.00
9.709	9.709 (1.048)	41	501173			36.53- 96.53	66.53
9.709	9.709 (1.048)	43	411551			24.63- 84.63	54.63
136 Cyclohexanone					CAS #: 108-94-1		
16.152	16.152 (1.108)	55	1332835	50.0000	49.854	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
136 Cyclohexanone (continued)							
16.152	16.152 (1.108)	98	595161			14.65- 74.65	44.65
16.124	16.124 (1.106)	42	881662			36.15- 96.15	66.15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8060705.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd8.i/8-07jun.b/t14q530b.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 07-JUN-2007
Calibration Time: 11:37
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	350593	210356	490830	350593	0.00
88 1,4-Difluorobenze	1524282	914569	2133995	1524282	0.00
125 Chlorobenzene-d5	1168126	700876	1635376	1168126	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

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

Data File: /chem/msd8.i/8-07jun.b/8060705.d

Date : 07-JUN-2007 11:37

Client ID: Level 5

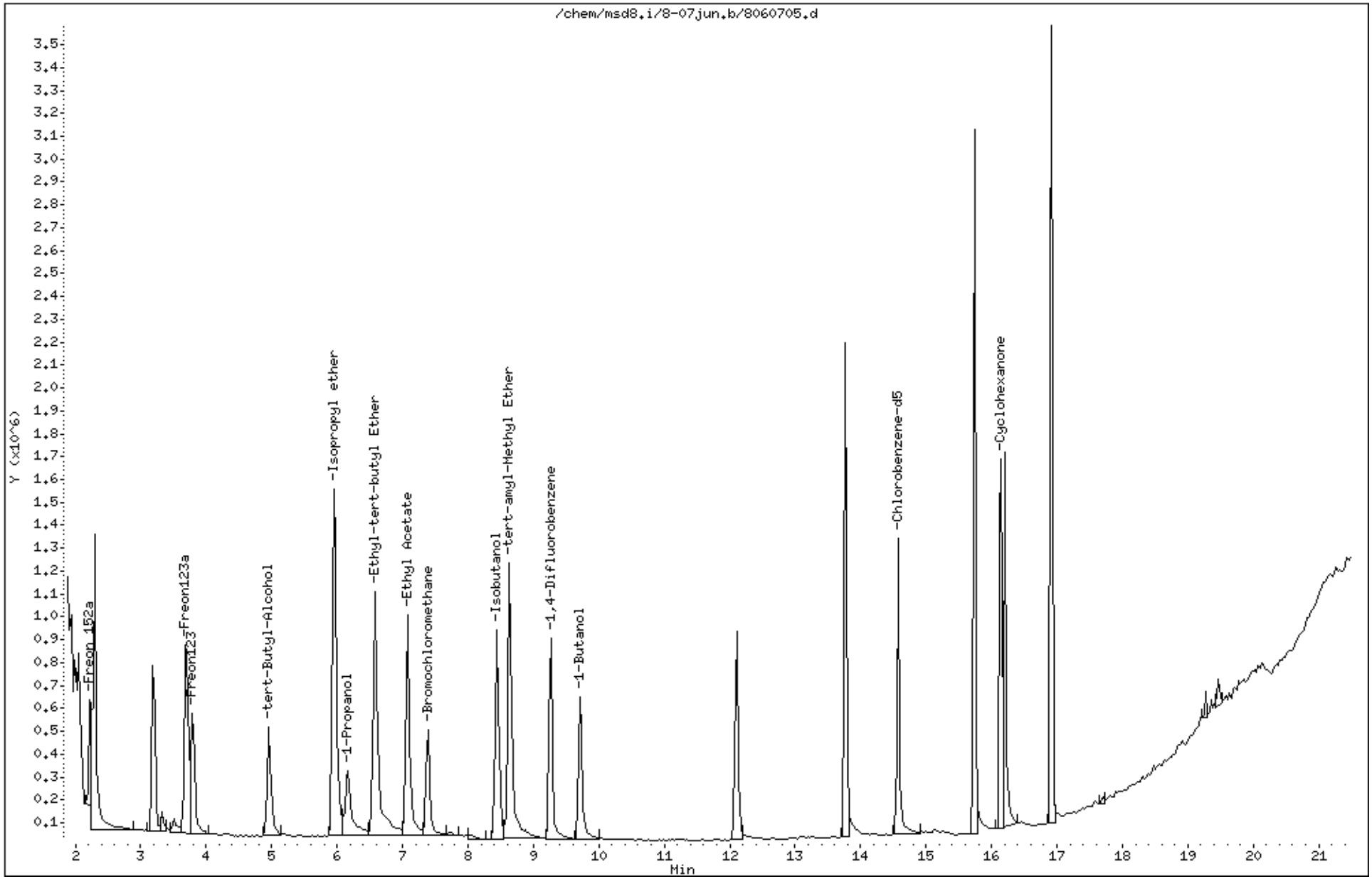
Sample Info: 50ml #1443-96

Column phase: RTx-624

Instrument: msd8.i

Operator: JG

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053007.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 30-MAY-2007 16:03
Operator : db Inst ID: msd8.i
Smp Info : 50ml #1487-289
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 31-May-2007 14:53 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 16:03 Cal File: 8053007.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.387	7.387 (1.000)	130	441133	25.0000		80.00- 120.00		100.00
7.387	7.387 (1.000)	128	342185			47.57- 107.57		77.57
7.387	7.387 (1.000)	49	632872			113.47- 173.47		143.47
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1992312	25.0000		80.00- 120.00		100.00
9.267	9.267 (1.000)	88	312375			0.00- 45.68		15.68
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1475337	25.0000		80.00- 120.00		100.00
14.576	14.576 (1.000)	82	860714			28.34- 88.34		58.34
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	557531	25.0000	24.148	80.00- 120.00		100.00
8.465	8.465 (1.146)	67	334456			29.99- 89.99		59.99
$ 104 Toluene-d8						CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1710823	25.0000	24.804	80.00- 120.00		100.00
12.115	12.115 (1.307)	70	174905			0.00- 40.22		10.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1606916			63.93- 123.93	93.93
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	903252	25.0000	25.732	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	1193763			102.16- 162.16	132.16
16.207	16.207 (1.112)	176	851833			64.31- 124.31	94.31
3 Propylene					CAS #: 115-07-1		
1.995	1.995 (0.270)	41	1060951	50.0000	44.436	80.00- 120.00	100.00
1.995	1.995 (0.270)	42	724676			38.30- 98.30	68.30
1.995	1.995 (0.270)	39	723770			38.22- 98.22	68.22
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.050 (0.278)	85	2666402	50.0000	44.120	80.00- 120.00	100.00
2.050	2.050 (0.278)	87	867034			2.52- 62.52	32.52
6 Freon 114					CAS #: 76-14-2		
2.161	2.161 (0.293)	135	2656241	50.0000	48.650	80.00- 120.00	100.00
2.161	2.161 (0.293)	137	837548			1.53- 61.53	31.53
8 Chloromethane					CAS #: 74-87-3		
2.272	2.272 (0.308)	50	1374103	50.0000	49.370	80.00- 120.00	100.00
2.272	2.272 (0.308)	52	422135			0.72- 60.72	30.72
9 Butane					CAS #: 106-97-8		
2.327	2.327 (0.315)	58	346263	50.0000	47.638	80.00- 120.00	100.00
2.327	2.327 (0.315)	43	2556532			708.32- 768.32	738.32
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.410 (0.326)	62	1538485	50.0000	47.571	80.00- 120.00	100.00
2.410	2.410 (0.326)	64	484291			1.48- 61.48	31.48
10 1,3-Butadiene					CAS #: 106-99-0		
2.382	2.382 (0.322)	54	1245393	50.0000	45.019	80.00- 120.00	100.00
2.382	2.382 (0.322)	39	1201450			66.47- 126.47	96.47
13 Bromomethane					CAS #: 74-83-9		
2.852	2.852 (0.386)	94	1081074	50.0000	50.035	80.00- 120.00	100.00
2.852	2.852 (0.386)	96	1027301			65.03- 125.03	95.03
16 Chloroethane					CAS #: 75-00-3		
2.963	2.963 (0.401)	64	835185	50.0000	48.795	80.00- 120.00	100.00
2.963	2.963 (0.401)	49	206572			0.00- 54.73	24.73
2.963	2.963 (0.401)	66	259149			1.03- 61.03	31.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	1993575	50.0000	49.367	80.00- 120.00	100.00
2.963	2.963 (0.401)	57	1377018			39.07- 99.07	69.07
2.963	2.963 (0.401)	72	149398			0.00- 37.49	7.49
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.212 (0.435)	101	3338623	50.0000	48.602	80.00- 120.00	100.00
3.212	3.212 (0.435)	103	2168945			34.97- 94.97	64.97
23 Ethanol					CAS #: 64-17-5		
3.516	3.516 (0.476)	45	536367	50.0000	48.898	80.00- 120.00	100.00
3.516	3.516 (0.476)	43	110348			0.00- 50.57	20.57
3.516	3.516 (0.476)	46	225695			12.08- 72.08	42.08
28 Freon 113					CAS #: 76-13-1		
3.931	3.931 (0.532)	151	2144041	50.0000	47.174	80.00- 120.00	100.00
3.931	3.931 (0.532)	153	1365964			33.71- 93.71	63.71
3.931	3.931 (0.532)	101	2494396			86.34- 146.34	116.34
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.958 (0.536)	61	2147006	50.0000	47.567	80.00- 120.00	100.00
3.958	3.958 (0.536)	96	1297826			30.45- 90.45	60.45
3.958	3.958 (0.536)	98	824285			8.39- 68.39	38.39
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	743587	50.0000	49.188	80.00- 120.00	100.00
4.124	4.124 (0.558)	43	2174812			262.48- 322.48	292.48
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	4010765	50.0000	47.413	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	2611678	50.0000	47.782	80.00- 120.00	100.00
4.318	4.318 (0.584)	43	497434			0.00- 49.05	19.05
4.318	4.318 (0.584)	59	105698			0.00- 34.05	4.05
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.566 (0.618)	76	692146	50.0000	51.289	80.00- 120.00	100.00
4.566	4.566 (0.618)	41	2087482			271.60- 331.60	301.60
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	1613264	50.0000	47.741	80.00- 120.00	100.00
4.815	4.815 (0.652)	84	1145605			41.01- 101.01	71.01
4.815	4.815 (0.652)	51	477098			0.00- 59.57	29.57
43 MTBE					CAS #: 1634-04-4		
5.147	5.147 (0.697)	73	2615636	50.0000	54.425	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.147	5.147 (0.697)	57	623120			0.00- 53.82	23.82
5.147	5.147 (0.697)	41	585377			0.00- 52.38	22.38
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.175 (0.701)	96	1487814	50.0000	46.583	80.00- 120.00	100.00
5.175	5.175 (0.701)	61	2217443			119.04- 179.04	149.04
5.202	5.202 (0.704)	98	952041			33.99- 93.99	63.99
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	2496765	50.0000	51.542	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	1570026			32.88- 92.88	62.88
5.534	5.534 (0.749)	86	367327			0.00- 44.71	14.71
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	2554528	50.0000	49.064	80.00- 120.00	100.00
5.949	5.949 (0.805)	65	797507			1.22- 61.22	31.22
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	355502	50.0000	48.367	80.00- 120.00	100.00
6.032	6.032 (0.817)	43	3900404			1067.15-1127.15	1097.15
6.032	6.032 (0.817)	42	297238			53.61- 113.61	83.61
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	1890254	50.0000	45.872	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	1419326			45.09- 105.09	75.09
6.972	6.972 (0.944)	98	900856			17.66- 77.66	47.66
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	682086	50.0000	46.657	80.00- 120.00	100.00
7.027	7.027 (0.951)	43	2923118			398.56- 458.56	428.56
7.027	7.027 (0.951)	57	230736			3.83- 63.83	33.83
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.387 (1.000)	42	1794674	50.0000	47.230	80.00- 120.00	100.00
7.387	7.387 (1.000)	71	630736			5.14- 65.14	35.14
7.387	7.387 (1.000)	72	683952			8.11- 68.11	38.11
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	2510438	50.0000	48.212	80.00- 120.00	100.00
7.525	7.525 (1.019)	85	1556022			31.98- 91.98	61.98
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	2021584	50.0000	46.792	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	2613838			99.30- 159.30	129.30
7.746	7.746 (1.049)	41	1290550			33.84- 93.84	63.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	2602285	50.0000	47.697	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	1684374			34.73- 94.73	64.73
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	2509316	50.0000	50.544	80.00- 120.00	100.00
7.995	7.995 (1.082)	117	2610640			74.04- 134.04	104.04
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	4299343	50.0000	47.769	80.00- 120.00	100.00
8.437	8.437 (0.910)	77	953019			0.00- 52.17	22.17
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	6116976	50.0000	47.428	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	1934694			1.63- 61.63	31.63
8.465	8.465 (1.146)	41	1435732			0.00- 53.47	23.47
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	1714995	50.0000	46.965	80.00- 120.00	100.00
8.603	8.603 (0.928)	64	541369			1.57- 61.57	31.57
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	425691	50.0000	43.706	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	2479146			552.38- 612.38	582.38
8.852	8.852 (0.955)	71	1375573			293.14- 353.14	323.14
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	1701628	50.0000	47.708	80.00- 120.00	100.00
9.682	9.682 (1.045)	130	1834985			77.84- 137.84	107.84
9.682	9.682 (1.045)	97	1092814			34.22- 94.22	64.22
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	2612830	50.0000	48.544	80.00- 120.00	100.00
9.903	9.903 (1.341)	98	1224638			16.87- 76.87	46.87
9.903	9.903 (1.341)	55	2044095			48.23- 108.23	78.23
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	1486513	50.0000	47.658	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	1072565			42.15- 102.15	72.15
10.179	10.179 (1.098)	41	839449			26.47- 86.47	56.47
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	944170	50.0000	49.629	80.00- 120.00	100.00
10.428	10.428 (1.125)	58	698982			44.03- 104.03	74.03
10.428	10.428 (1.125)	57	215615			0.00- 52.84	22.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	2547396	50.0000	48.899	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	1554700			31.03- 91.03	61.03
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	2114572	50.0000	48.783	80.00- 120.00	100.00
11.672	11.672 (1.260)	77	659599			1.19- 61.19	31.19
11.672	11.672 (1.260)	39	992332			16.93- 76.93	46.93
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	1183517	50.0000	50.470	80.00- 120.00	100.00
12.032	12.032 (1.298)	43	2867386			212.28- 272.28	242.28
12.032	12.032 (1.298)	85	492895			11.65- 71.65	41.65
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	4422713	50.0000	48.350	80.00- 120.00	100.00
12.253	12.253 (1.322)	92	2673976			30.46- 90.46	60.46
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.834 (0.880)	75	2149165	50.0000	50.248	80.00- 120.00	100.00
12.834	12.834 (0.880)	77	647075			0.11- 60.11	30.11
12.834	12.834 (0.880)	39	983279			15.75- 75.75	45.75
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	1477573	50.0000	47.104	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	908334			31.47- 91.47	61.47
13.138	13.138 (0.901)	83	1303964			58.25- 118.25	88.25
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	2055564	50.0000	48.417	80.00- 120.00	100.00
13.193	13.193 (0.905)	129	1560241			45.90- 105.90	75.90
13.193	13.193 (0.905)	131	1518741			43.88- 103.88	73.88
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	1624483	50.0000	52.265	80.00- 120.00	100.00
13.580	13.580 (0.932)	43	2875801			147.03- 207.03	177.03
13.580	13.580 (0.932)	100	334216			0.00- 50.57	20.57
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.718 (0.941)	129	2439103	50.0000	49.615	80.00- 120.00	100.00
13.718	13.718 (0.941)	127	1880746			47.11- 107.11	77.11
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	2349832	50.0000	49.163	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	2236461			65.18- 125.18	95.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.631	14.631 (1.004)	112	3693405	50.0000	48.755	80.00- 120.00	100.00
14.631	14.631 (1.004)	114	1178415			1.91- 61.91	31.91
14.603	14.603 (1.002)	77	2086900			26.50- 86.50	56.50
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	1897967	50.0000	47.343	80.00- 120.00	100.00
14.769	14.769 (1.013)	91	5944387			283.20- 343.20	313.20
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	2397145	50.0000	49.069	80.00- 120.00	100.00
14.935	14.935 (1.025)	91	4593983			161.64- 221.64	191.64
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	2399345	50.0000	48.671	80.00- 120.00	100.00
15.488	15.488 (1.063)	91	4977982			177.47- 237.47	207.47
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	3513401	50.0000	49.997	80.00- 120.00	100.00
15.516	15.516 (1.064)	78	1765544			20.25- 80.25	50.25
135 Bromoform					CAS #: 75-25-2		
15.764	15.764 (1.082)	173	2267799	50.0000	52.444	80.00- 120.00	100.00
15.764	15.764 (1.082)	171	1157789			21.05- 81.05	51.05
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	6732590	50.0000	49.967	80.00- 120.00	100.00
15.958	15.958 (1.095)	120	1777182			0.00- 56.40	26.40
15.958	15.958 (1.095)	51	616754			0.00- 39.16	9.16
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	3534141	50.0000	49.023	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	2190780			31.99- 91.99	61.99
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	8126384	50.0000	52.659	80.00- 120.00	100.00
16.483	16.483 (1.131)	120	1859596			0.00- 52.88	22.88
16.483	16.483 (1.131)	105	291527			0.00- 33.59	3.59
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	7105769	50.0000	53.707	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	2103349			0.00- 59.60	29.60
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	6609789	50.0000	51.974	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	3263943			19.38- 79.38	49.38

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	6904880	50.0000	53.940	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	3135375			15.41- 75.41	45.41
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	4379647	50.0000	52.483	80.00- 120.00	100.00
17.451	17.451 (1.197)	148	2790179			33.71- 93.71	63.71
17.451	17.451 (1.197)	111	1812557			11.39- 71.39	41.39
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	3953538	50.0000	49.990	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	2487194			32.91- 92.91	62.91
17.562	17.562 (1.205)	111	1393312			5.24- 65.24	35.24
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	6430403	50.0000	55.937	80.00- 120.00	100.00
17.700	17.700 (1.214)	126	1298111			0.00- 50.19	20.19
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	3963669	50.0000	49.308	80.00- 120.00	100.00
17.921	17.921 (1.230)	148	2485367			32.70- 92.70	62.70
17.921	17.921 (1.230)	111	1469135			7.07- 67.07	37.07
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	4243469	50.0000	52.231	80.00- 120.00	100.00
19.276	19.276 (1.322)	182	4039439			65.19- 125.19	95.19
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	2274747	50.0000	48.779	80.00- 120.00	100.00
19.359	19.359 (1.328)	223	1438980			33.26- 93.26	63.26
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	10653699	50.0000	62.178	80.00- 120.00	100.00
19.470	19.470 (1.336)	127	1203008			0.00- 41.29	11.29

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053007.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 16:03
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	441133	264680	617586	441133	0.00
88 1,4-Difluorobenze	1992312	1195387	2789237	1992312	0.00
125 Chlorobenzene-d5	1475337	885202	2065472	1475337	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

0129

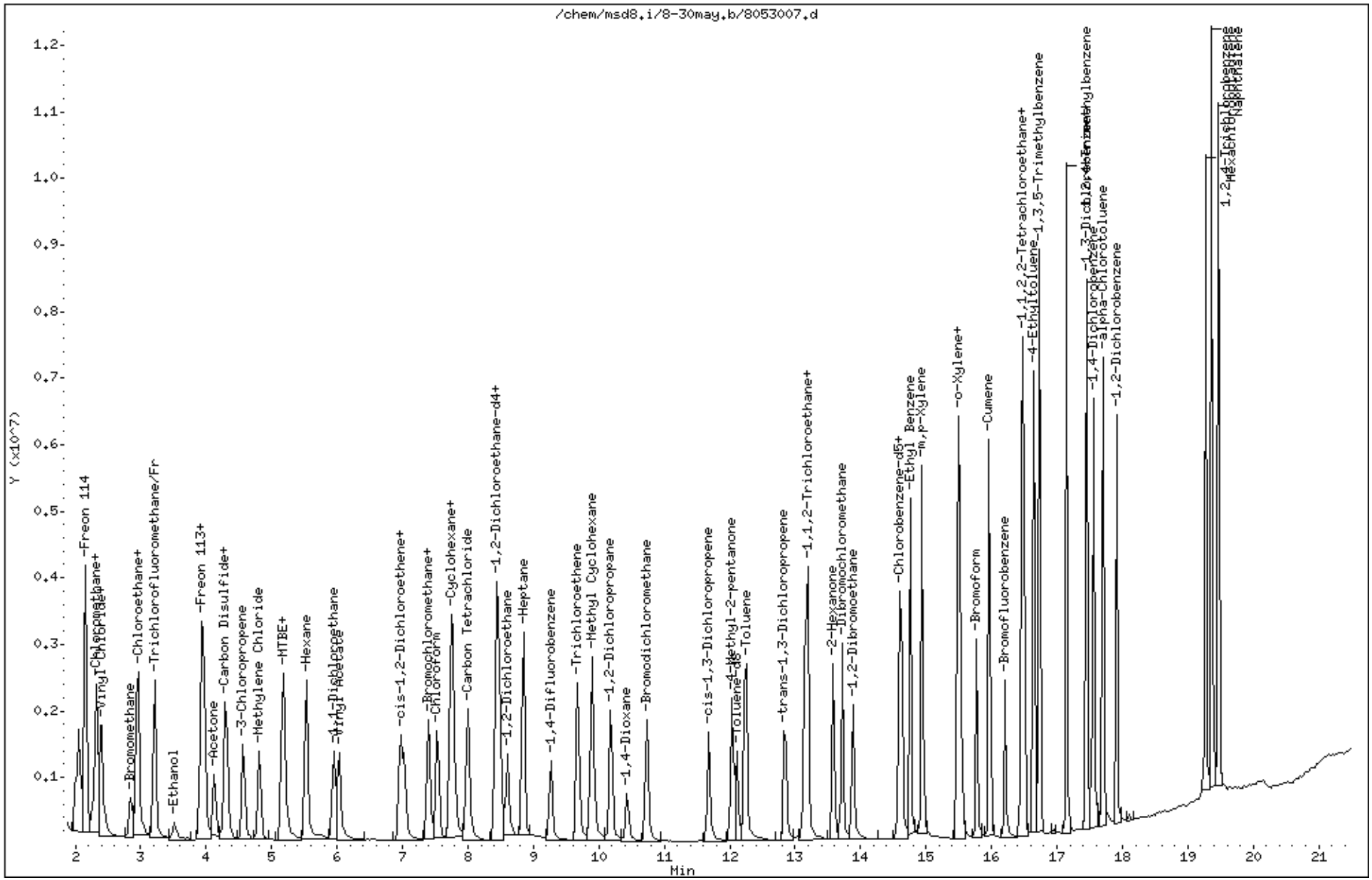
Data File: /chem/msd8.i/8-30may.b/8053007.d
Date : 30-MAY-2007 16:03
Client ID: Level 5
Sample Info: 50ml #1487-289

Instrument: msd8.i

Operator: db

Column phase: RTx-624

Column diameter: 0.53



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AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053008.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 30-MAY-2007 16:31
Operator : db Inst ID: msd8.i
Smp Info : 100ml #1487-289
Misc Info : 200ppbv-100ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 31-May-2007 14:53 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 16:31 Cal File: 8053008.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	456242	25.0000		70.00- 130.00	100.00
7.387	7.387 (1.000)	128	338679			47.57- 107.57	74.23
7.387	7.387 (1.000)	49	641995			113.47- 173.47	140.71
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	2079239	25.0000		70.00- 130.00	100.00
9.267	9.267 (1.000)	88	315764			0.00- 45.68	15.19
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1515229	25.0000		70.00- 130.00	100.00
14.576	14.576 (1.000)	82	883171			0.00- 30.00	58.29
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	611646	25.0000	25.615	70.00- 130.00	100.00
8.465	8.465 (1.146)	67	381750			0.00- 30.00	62.41
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1771106	25.0000	24.605	70.00- 130.00	100.00
12.115	12.115 (1.307)	70	167250			0.00- 30.00	9.44

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1418894			0.00- 30.00	80.11
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	936709	25.0000	25.982	70.00- 130.00	100.00
16.207	16.207 (1.112)	95	1233267			102.16- 162.16	131.66
16.207	16.207 (1.112)	176	887102			64.31- 124.31	94.70
3 Propylene					CAS #: 115-07-1		
1.995	1.995 (0.270)	41	2111882	100.000	85.522	70.00- 130.00	100.00
1.995	1.995 (0.270)	42	1405317			0.00- 30.00	66.54
1.995	1.995 (0.270)	39	1426212			0.00- 30.00	67.53
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.050 (0.278)	85	5440637	100.000	87.042	70.00- 130.00	100.00
2.050	2.050 (0.278)	87	1735219			0.00- 30.00	31.89
6 Freon 114					CAS #: 76-14-2		
2.161	2.161 (0.293)	135	5255420	100.000	93.067	70.00- 130.00	100.00
2.161	2.161 (0.293)	137	1643521			1.53- 61.53	31.27
8 Chloromethane					CAS #: 74-87-3		
2.272	2.272 (0.308)	50	2731679	100.000	94.896	70.00- 130.00	100.00
2.272	2.272 (0.308)	52	810595			0.00- 30.00	29.67
9 Butane					CAS #: 106-97-8		
2.327	2.327 (0.315)	58	666073	100.000	88.601	70.00- 130.00	100.00
2.327	2.327 (0.315)	43	5010913			0.00- 30.00	752.31
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.410 (0.326)	62	2979171	100.000	89.067	70.00- 130.00	100.00
2.410	2.410 (0.326)	64	906402			0.00- 30.00	30.42
10 1,3-Butadiene					CAS #: 106-99-0		
2.410	2.410 (0.326)	54	2379256	100.000	83.158	70.00- 130.00	100.00
2.382	2.382 (0.322)	39	2438472			0.00- 30.00	102.49
13 Bromomethane					CAS #: 74-83-9		
2.852	2.852 (0.386)	94	2174749	100.000	97.320	70.00- 130.00	100.00
2.852	2.852 (0.386)	96	2040837			65.03- 125.03	93.84
16 Chloroethane					CAS #: 75-00-3		
2.963	2.963 (0.401)	64	1587282	100.000	89.665	70.00- 130.00	100.00
2.963	2.963 (0.401)	49	396910			0.00- 30.00	25.01
2.963	2.963 (0.401)	66	488935			0.00- 30.00	30.80

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	3971363	100.000	95.086	70.00- 130.00	100.00
2.963	2.963 (0.401)	57	2686310			0.00- 30.00	67.64
2.963	2.963 (0.401)	72	284025			0.00- 30.00	7.15
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.212 (0.435)	101	6617115	100.000	93.139	70.00- 130.00	100.00
3.212	3.212 (0.435)	103	4259322			34.97- 94.97	64.37
23 Ethanol					CAS #: 64-17-5		
3.543	3.543 (0.480)	45	1062280	100.000	93.635	70.00- 130.00	100.00
3.516	3.516 (0.476)	43	191015			0.00- 30.00	17.98
3.516	3.516 (0.476)	46	431356			0.00- 30.00	40.61
28 Freon 113					CAS #: 76-13-1		
3.930	3.930 (0.532)	151	4294641	100.000	91.363	70.00- 130.00	100.00
3.930	3.930 (0.532)	153	2715258			33.71- 93.71	63.22
3.930	3.930 (0.532)	101	5038552			86.34- 146.34	117.32
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.958 (0.536)	61	4286913	100.000	91.832	70.00- 130.00	100.00
3.958	3.958 (0.536)	96	2549826			30.45- 90.45	59.48
3.958	3.958 (0.536)	98	1633650			8.39- 68.39	38.11
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	1456647	100.000	93.167	70.00- 130.00	100.00
4.124	4.124 (0.558)	43	4343030			0.00- 30.00	298.15
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	8061972	100.000	92.149	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	5257774	100.000	93.009	70.00- 130.00	100.00
4.318	4.318 (0.584)	43	986622			0.00- 30.00	18.77
4.318	4.318 (0.584)	59	208508			0.00- 30.00	3.97
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.566 (0.618)	76	1354721	100.000	97.062	70.00- 130.00	100.00
4.566	4.566 (0.618)	41	4132615			0.00- 30.00	305.05
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	3152614	100.000	90.205	70.00- 130.00	100.00
4.815	4.815 (0.652)	84	2300704			41.01- 101.01	72.98
4.815	4.815 (0.652)	51	949529			0.00- 30.00	30.12
43 MTBE					CAS #: 1634-04-4		
5.147	5.147 (0.697)	73	5123497	100.000	103.08	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.147	5.147 (0.697)	57	1222306			0.00- 53.82	23.86
5.147	5.147 (0.697)	41	1170037			0.00- 30.00	22.84
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.175 (0.701)	96	2948613	100.000	89.263	70.00- 130.00	100.00
5.175	5.175 (0.701)	61	4422228			119.04- 179.04	149.98
5.175	5.175 (0.701)	98	1894246			0.00- 30.00	64.24
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	4711392	100.000	94.039	70.00- 130.00	100.00
5.534	5.534 (0.749)	43	2957338			0.00- 30.00	62.77
5.534	5.534 (0.749)	86	725012			0.00- 30.00	15.39
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	5084008	100.000	94.412	70.00- 130.00	100.00
5.949	5.949 (0.805)	65	1596380			1.22- 61.22	31.40
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	761982	100.000	100.24	70.00- 130.00	100.00
6.032	6.032 (0.817)	43	8054687			0.00- 30.00	1057.07
6.032	6.032 (0.817)	42	616418			0.00- 30.00	80.90
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	3773397	100.000	88.539	70.00- 130.00	100.00
6.972	6.972 (0.944)	96	2782950			45.09- 105.09	73.75
6.972	6.972 (0.944)	98	1774497			17.66- 77.66	47.03
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	1390585	100.000	91.971	70.00- 130.00	100.00
7.027	7.027 (0.951)	43	5954215			398.56- 458.56	428.18
7.027	7.027 (0.951)	57	451831			0.00- 30.00	32.49
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.387 (1.000)	42	3522933	100.000	89.642	70.00- 130.00	100.00
7.387	7.387 (1.000)	71	1272954			5.14- 65.14	36.13
7.387	7.387 (1.000)	72	1374375			0.00- 30.00	39.01
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	4994804	100.000	92.746	70.00- 130.00	100.00
7.525	7.525 (1.019)	85	3098846			31.98- 91.98	62.04
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	4057695	100.000	90.810	70.00- 130.00	100.00
7.746	7.746 (1.049)	56	5201149			99.30- 159.30	128.18
7.746	7.746 (1.049)	41	2605789			33.84- 93.84	64.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	5240694	100.000	92.876	70.00- 130.00	100.00
7.774	7.774 (1.052)	99	3350182			34.73- 94.73	63.93
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	5107823	100.000	99.478	70.00- 130.00	100.00
7.995	7.995 (1.082)	117	5255553			74.04- 134.04	102.89
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	8696555	100.000	92.587	70.00- 130.00	100.00
8.437	8.437 (0.910)	77	1944596			0.00- 30.00	22.36
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	12520618	100.000	93.863	70.00- 130.00	100.00
8.465	8.465 (1.146)	56	3975572			0.00- 30.00	31.75
8.465	8.465 (1.146)	41	2931448			0.00- 30.00	23.41
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	3438647	100.000	90.230	70.00- 130.00	100.00
8.603	8.603 (0.928)	64	1083383			0.00- 30.00	31.51
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	862354	100.000	84.838	70.00- 130.00	100.00
8.852	8.852 (0.955)	43	4963883			0.00- 30.00	575.62
8.852	8.852 (0.955)	71	2771790			0.00- 30.00	321.42
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	3411326	100.000	91.643	70.00- 130.00	100.00
9.682	9.682 (1.045)	130	3669068			77.84- 137.84	107.56
9.682	9.682 (1.045)	97	2155039			34.22- 94.22	63.17
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	5261578	100.000	94.518	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	2392828			0.00- 30.00	45.48
9.903	9.903 (1.341)	55	4199922			0.00- 30.00	79.82
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	3003131	100.000	92.255	70.00- 130.00	100.00
10.179	10.179 (1.098)	62	2137034			42.15- 102.15	71.16
10.179	10.179 (1.098)	41	1697497			26.47- 86.47	56.52
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	1913662	100.000	96.383	70.00- 130.00	100.00
10.428	10.428 (1.125)	58	1398870			44.03- 104.03	73.10
10.428	10.428 (1.125)	57	419838			0.00- 30.00	21.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	5128594	100.000	94.331	70.00- 130.00	100.00
10.732	10.732 (1.158)	85	3168965			31.03- 91.03	61.79
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	4289445	100.000	94.820	70.00- 130.00	100.00
11.672	11.672 (1.260)	77	1336780			1.19- 61.19	31.16
11.672	11.672 (1.260)	39	1995148			16.93- 76.93	46.51
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	2412926	100.000	98.595	70.00- 130.00	100.00
12.032	12.032 (1.298)	43	5915330			0.00- 30.00	245.15
12.032	12.032 (1.298)	85	996247			0.00- 30.00	41.29
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	9100045	100.000	95.324	70.00- 130.00	100.00
12.253	12.253 (1.322)	92	5435801			30.46- 90.46	59.73
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.834 (0.880)	75	4335904	100.000	98.705	70.00- 130.00	100.00
12.834	12.834 (0.880)	77	1335466			0.11- 60.11	30.80
12.834	12.834 (0.880)	39	2001936			15.75- 75.75	46.17
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	2964497	100.000	92.018	70.00- 130.00	100.00
13.138	13.138 (0.901)	99	1840259			31.47- 91.47	62.08
13.138	13.138 (0.901)	83	2551394			58.25- 118.25	86.06
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	4186065	100.000	96.002	70.00- 130.00	100.00
13.193	13.193 (0.905)	129	3258954			45.90- 105.90	77.85
13.193	13.193 (0.905)	131	3031301			43.88- 103.88	72.41
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	3291331	100.000	103.10	70.00- 130.00	100.00
13.580	13.580 (0.932)	43	6040547			147.03- 207.03	183.53
13.580	13.580 (0.932)	100	705295			0.00- 30.00	21.43
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.718 (0.941)	129	5095518	100.000	100.92	70.00- 130.00	100.00
13.718	13.718 (0.941)	127	3903792			0.00- 30.00	76.61
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	4784702	100.000	97.469	70.00- 130.00	100.00
13.884	13.884 (0.953)	109	4502499			65.18- 125.18	94.10

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.631	14.631 (1.004)	112	7575451	100.000	97.367	70.00- 130.00	100.00
14.631	14.631 (1.004)	114	2379711			1.91- 61.91	31.41
14.603	14.603 (1.002)	77	4237044			26.50- 86.50	55.93
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	3943287	100.000	95.771	70.00- 130.00	100.00
14.769	14.769 (1.013)	91	12558154			0.00- 30.00	318.47
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	4928477	100.000	98.229	70.00- 130.00	100.00
14.935	14.935 (1.025)	91	9732569			0.00- 30.00	197.48
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	4858089	100.000	95.953	70.00- 130.00	100.00
15.488	15.488 (1.063)	91	10291979			177.47- 237.47	211.85
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	7423994	100.000	102.86	70.00- 130.00	100.00
15.516	15.516 (1.064)	78	3649528			20.25- 80.25	49.16
135 Bromoform					CAS #: 75-25-2		
15.764	15.764 (1.082)	173	4754269	100.000	107.05	70.00- 130.00	100.00
15.764	15.764 (1.082)	171	2426878			21.05- 81.05	51.05
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	14013350	100.000	101.26	70.00- 130.00	100.00
15.958	15.958 (1.095)	120	3600114			0.00- 30.00	25.69
15.958	15.958 (1.095)	51	1268255			0.00- 30.00	9.05
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	7218673	100.000	97.495	70.00- 130.00	100.00
16.456	16.456 (1.129)	85	4420519			31.99- 91.99	61.24
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	16975123	100.000	107.10	70.00- 130.00	100.00
16.483	16.483 (1.131)	120	3752339			0.00- 30.00	22.10
16.483	16.483 (1.131)	105	582164			0.00- 30.00	3.43
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	14848016	100.000	109.27	70.00- 130.00	100.00
16.649	16.649 (1.142)	120	4383266			0.00- 59.60	29.52
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	13957272	100.000	106.86	70.00- 130.00	100.00
16.732	16.732 (1.148)	120	6759537			0.00- 30.00	48.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	14463263	100.000	110.01	70.00- 130.00	100.00
17.147	17.147 (1.176)	120	6341397			15.41- 75.41	43.84
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	9209832	100.000	107.46	70.00- 130.00	100.00
17.451	17.451 (1.197)	148	5794867			0.00- 30.00	62.92
17.451	17.451 (1.197)	111	3806522			0.00- 30.00	41.33
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	8545658	100.000	105.21	70.00- 130.00	100.00
17.562	17.562 (1.205)	148	5364507			0.00- 30.00	62.77
17.562	17.562 (1.205)	111	2979869			0.00- 30.00	34.87
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	14388865	100.000	121.87	70.00- 130.00	100.00
17.700	17.700 (1.214)	126	2812628			0.00- 30.00	19.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	8345519	100.000	101.08	70.00- 130.00	100.00
17.921	17.921 (1.230)	148	5277126			32.70- 92.70	63.23
17.921	17.921 (1.230)	111	3065390			7.07- 67.07	36.73
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	8958905	100.000	107.37	70.00- 130.00	100.00
19.276	19.276 (1.322)	182	8611749			65.19- 125.19	96.13
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	4504987	100.000	94.060	70.00- 130.00	100.00
19.359	19.359 (1.328)	223	2843237			33.26- 93.26	63.11
169 Naphthalene					CAS #: 91-20-3		
19.469	19.469 (1.336)	128	15136012	100.000	86.013	70.00- 130.00	100.00
19.469	19.469 (1.336)	127	2518408			0.00- 30.00	16.64

Report Date: 31-May-2007 14:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053008.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-100ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 16:03
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	441133	264680	617586	456242	3.43
88 1,4-Difluorobenze	1992312	1195387	2789237	2079239	4.36
125 Chlorobenzene-d5	1475337	885202	2065472	1515229	2.70

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

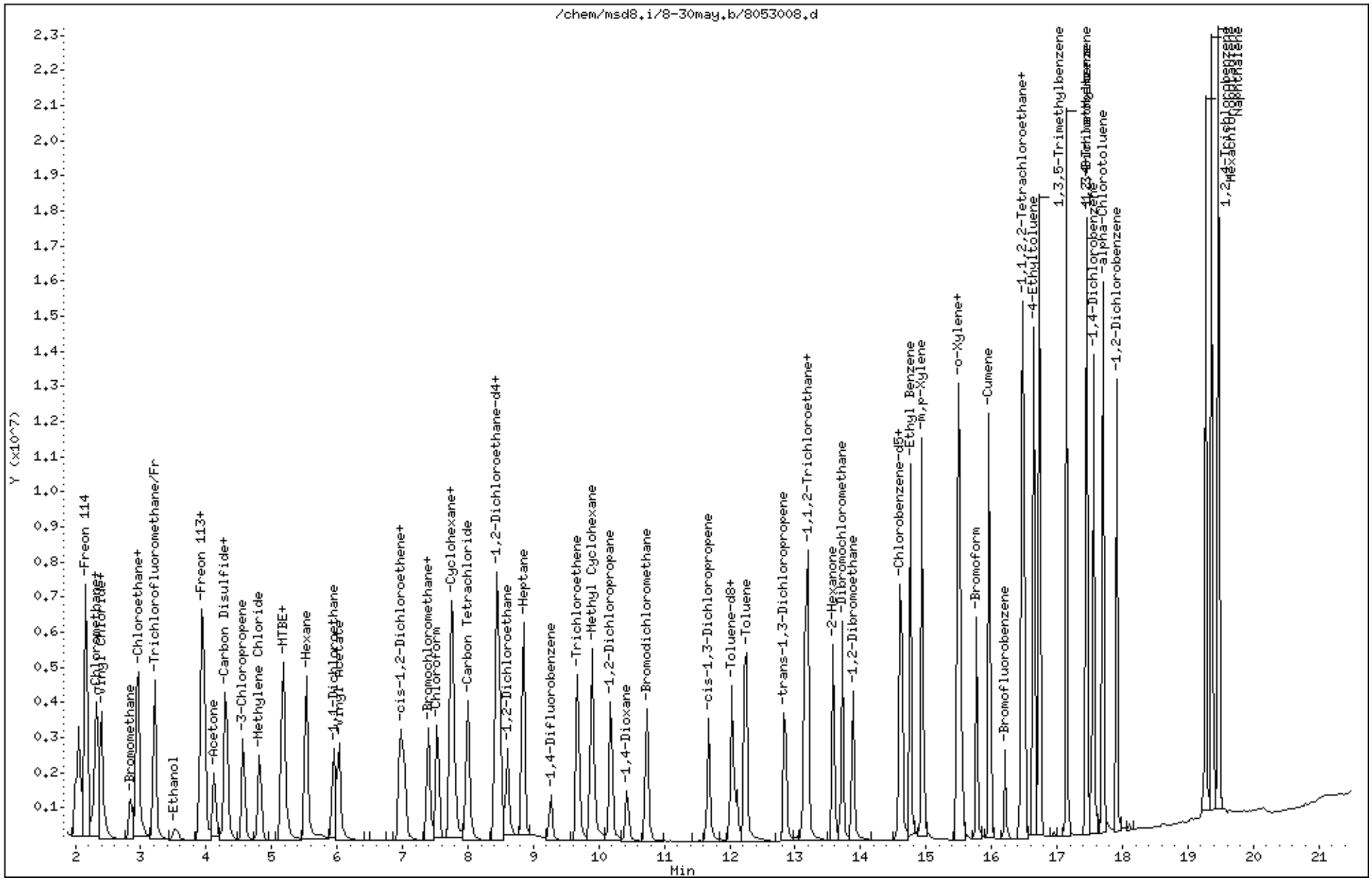
0139

Data File: /chem/msd8.i/8-30may.b/8053008.d
Date : 30-MAY-2007 16:31
Client ID: Level 6
Sample Info: 100ml #1487-289

Column phase: RTx-624

Instrument: msd8.i

Operator: db
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-17jul.b/8071704.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 17-JUL-2007 10:39
Operator : lmr Inst ID: msd8.i
Smp Info : 200ml #1487-336
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd8.i/8-17jul.b/t14q530c.m
Meth Date : 17-Jul-2007 12:55 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 10:39 Cal File: 8071704.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	310507	25.0000		70.00- 130.00	100.00
7.387	7.387 (1.000)	128	236735			46.10- 106.10	76.24
7.387	7.387 (1.000)	49	478937			120.10- 180.10	154.24
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1314809	25.0000		70.00- 130.00	100.00
9.267	9.267 (1.000)	88	197368			0.00- 44.57	15.01
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	942834	25.0000		70.00- 130.00	100.00
14.576	14.576 (1.000)	82	522470			0.00- 30.00	55.41
60 2,2-Dichloropropane					CAS #: 594-20-7		
6.917	6.917 (0.936)	77	4454577	200.000	207.00	70.00- 130.00	100.00(A)
6.917	6.917 (0.936)	79	1410218			2.33- 62.33	31.66
6.917	6.917 (0.936)	97	878624			0.00- 30.00	19.72
72 1,1-Dichloropropene					CAS #: 563-58-6		
8.078	8.078 (1.094)	110	1444358	200.000	169.84	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
72 1,1-Dichloropropene (continued)							
8.050	8.050 (1.090)	75	4034211			0.00- 30.00	279.31
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.769	14.769 (1.013)	131	3871201	200.000	173.92	70.00- 130.00	100.00
14.769	14.769 (1.013)	117	2338898			0.00- 30.00	60.42
14.769	14.769 (1.013)	95	1440342			0.00- 30.00	37.21
139 Bromobenzene					CAS #: 108-86-1		
16.373	16.373 (1.123)	156	3908876	200.000	171.60	70.00- 130.00	100.00
16.345	16.345 (1.121)	77	6171330			129.56- 189.56	157.88
16.373	16.373 (1.123)	158	3823309			0.00- 30.00	97.81
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.483	16.483 (1.131)	110	1964093	200.000	179.64	70.00- 130.00	100.00
16.483	16.483 (1.131)	61	1391360			0.00- 30.00	70.84
16.483	16.483 (1.131)	112	1258592			0.00- 30.00	64.08
143 2-Chlorotoluene					CAS #: 95-49-8		
16.594	16.594 (1.138)	126	3227751	200.000	174.23	70.00- 130.00	100.00
16.594	16.594 (1.138)	91	9895551			271.12- 331.12	306.58
16.594	16.594 (1.138)	65	964599			0.00- 30.00	29.88
146 4-Chlorotoluene					CAS #: 106-43-4		
16.760	16.760 (1.150)	126	2804479	200.000	167.81	70.00- 130.00	100.00
16.760	16.760 (1.150)	91	8283931			252.70- 312.70	295.38
16.760	16.760 (1.150)	63	1016860			0.00- 30.00	36.26
150 tert-Butylbenzene					CAS #: 98-06-6		
17.064	17.064 (1.171)	119	14642300	200.000	181.98	70.00- 130.00	100.00
17.064	17.064 (1.171)	134	2998201			0.00- 51.23	20.48
17.064	17.064 (1.171)	91	7508808			0.00- 30.00	51.28
151 Pentachloroethane					CAS #: 76-01-7		
17.119	17.119 (1.175)	167	3839856	200.000	188.48	70.00- 130.00	100.00
17.119	17.119 (1.175)	117	3752772			0.00- 30.00	97.73
152 sec-Butylbenzene					CAS #: 135-98-8		
17.313	17.313 (1.188)	105	15055683	200.000	163.12	70.00- 130.00	100.00
17.313	17.313 (1.188)	134	3556393			0.00- 50.56	23.62
17.313	17.313 (1.188)	91	2739328			0.00- 30.00	18.19
154 p-Cymene					CAS #: 99-87-6		
17.479	17.479 (1.199)	134	3570273	200.000	182.20	70.00- 130.00	100.00
17.479	17.479 (1.199)	119	13675487			346.40- 406.40	383.04
17.479	17.479 (1.199)	91	2951550			0.00- 30.00	82.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.589	17.589 (1.207)	120	4233094	200.000	179.72	70.00- 130.00	100.00
17.589	17.589 (1.207)	105	9640661			196.77- 256.77	227.75
17.589	17.589 (1.207)	77	1065296			0.00- 30.00	25.17
159 Butylbenzene					CAS #: 104-51-8		
17.866	17.866 (1.226)	134	4363581	200.000	202.40	70.00- 130.00	100.00(A)
17.866	17.866 (1.226)	91	14806137			314.63- 374.63	339.31
17.866	17.866 (1.226)	92	8271919			0.00- 30.00	189.57
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.612	18.612 (1.277)	157	3512638	200.000	185.51	70.00- 130.00	100.00
18.612	18.612 (1.277)	75	4072443			78.67- 138.67	115.94
18.612	18.612 (1.277)	155	2743964			0.00- 30.00	78.12

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071704.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-17jul.b/t14q530c.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 17-JUL-2007
Calibration Time: 10:09
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	307788	184673	430903	310507	0.88
88 1,4-Difluorobenze	1283947	770368	1797526	1314809	2.40
125 Chlorobenzene-d5	928052	556831	1299273	942834	1.59

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

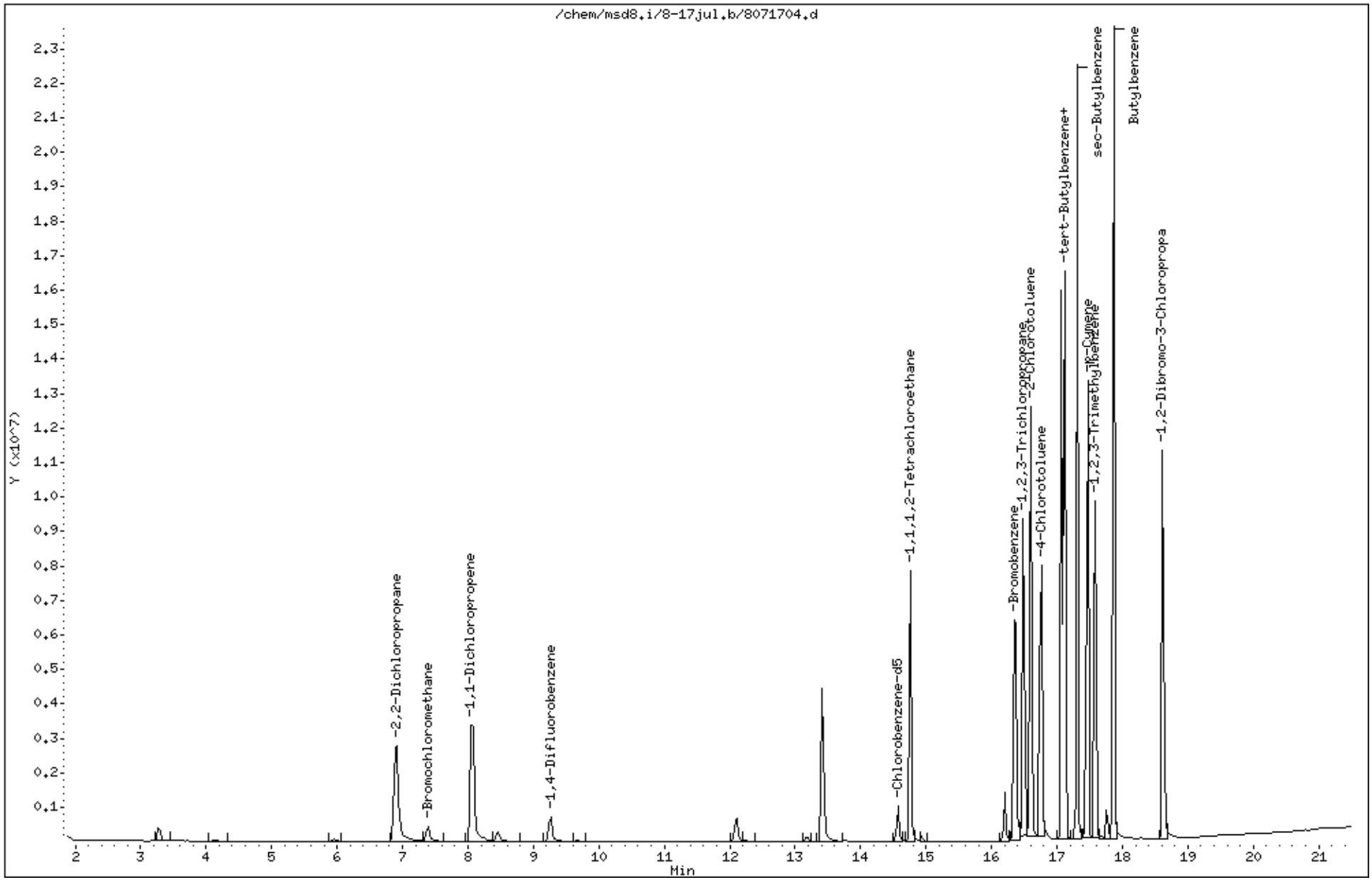
0144

Data File: /chem/msd8.i/8-17jul.b/8071704.d
Date : 17-JUL-2007 10:39
Client ID: Level 7
Sample Info: 200ml #1487-336

Column phase: RTx-624

Instrument: msd8.i

Operator: lmr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07jun.b/8060706.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 07-JUN-2007 12:08
Operator : JG Inst ID: msd8.i
Smp Info : 200ml #1443-96
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd8.i/8-07jun.b/t14q530b.m
Meth Date : 07-Jun-2007 13:41 jgray Quant Type: ISTD
Cal Date : 07-JUN-2007 12:08 Cal File: 8060706.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane						CAS #: 74-97-5	
7.387	7.387 (1.000)	130	361211	25.0000		70.00- 130.00	100.00
7.387	7.387 (1.000)	128	275936			42.98- 102.98	76.39
7.387	7.387 (1.000)	49	511706			112.53- 172.53	141.66
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.267	9.267 (1.000)	114	1595379	25.0000		70.00- 130.00	100.00
9.267	9.267 (1.000)	88	244093			0.00- 44.58	15.30
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.576	14.576 (1.000)	117	1171779	25.0000		70.00- 130.00	100.00
14.576	14.576 (1.000)	82	674436			0.00- 30.00	57.56
1 Freon 152a						CAS #: 75-37-6	
2.023	2.023 (0.274)	65	2371527	200.000	189.53	70.00- 130.00	100.00
2.078	2.078 (0.281)	51	10140161			0.00- 30.00	427.58
20 Freon123a						CAS #: 354-23-4	
3.682	3.682 (0.498)	67	3750189	200.000	194.11	70.00- 130.00	100.00
3.710	3.710 (0.502)	117	2671033			0.00- 30.00	71.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
21 Freon123					CAS #: 306-83-2		
3.792	3.792 (0.513)	83	2375930	200.000	195.12	70.00- 130.00	100.00
3.792	3.792 (0.513)	133	448165			0.00- 30.00	18.86
3.792	3.792 (0.513)	85	1758646			0.00- 30.00	74.02
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.954	4.954 (0.671)	59	3329003	200.000	132.23	70.00- 130.00	100.00
4.954	4.954 (0.671)	41	767923			0.00- 30.00	23.07
4.954	4.954 (0.671)	57	334446			0.00- 30.00	10.05
49 Isopropyl ether					CAS #: 108-20-3		
5.949	5.949 (0.805)	45	12287330	200.000	195.16	70.00- 130.00	100.00
5.949	5.949 (0.805)	87	3425229			0.00- 30.00	27.88
5.949	5.949 (0.805)	59	1325426			0.00- 30.00	10.79
52 1-Propanol					CAS #: 71-23-8		
6.170	6.170 (0.835)	42	896926	200.000	197.65	70.00- 130.00	100.00
6.170	6.170 (0.835)	59	1152290			0.00- 30.00	128.47
6.143	6.143 (0.832)	41	735160			0.00- 30.00	81.96
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.585	6.585 (0.891)	59	8042475	200.000	191.32	70.00- 130.00	100.00
6.585	6.585 (0.891)	87	3100400			0.00- 30.00	38.55
6.585	6.585 (0.891)	41	1355089			0.00- 30.00	16.85
61 Ethyl Acetate					CAS #: 141-78-6		
7.083	7.083 (0.959)	70	1061516	200.000	193.50	70.00- 130.00	100.00
7.083	7.083 (0.959)	43	9985386			0.00- 30.00	940.67
7.083	7.083 (0.959)	61	1428422			0.00- 30.00	134.56
78 Isobutanol					CAS #: 78-83-1		
8.438	8.438 (0.910)	43	3751872	200.000	204.90	70.00- 130.00	100.00(A)
8.438	8.438 (0.910)	41	2497173			0.00- 30.00	66.56
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.631	8.631 (1.168)	73	6928131	200.000	180.22	70.00- 130.00	100.00
8.631	8.631 (1.168)	87	1658341			0.00- 30.00	23.94
8.631	8.631 (1.168)	55	1860950			0.00- 30.00	26.86
89 1-Butanol					CAS #: 71-36-3		
9.709	9.709 (1.048)	56	3377553	200.000	216.27	70.00- 130.00	100.00(A)
9.709	9.709 (1.048)	41	2212090			0.00- 30.00	65.49
9.709	9.709 (1.048)	43	1815594			0.00- 30.00	53.75
136 Cyclohexanone					CAS #: 108-94-1		
16.152	16.152 (1.108)	55	5524328	200.000	205.99	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
136 Cyclohexanone (continued)							
16.152	16.152 (1.108)	98	2497048			0.00- 30.00	45.20
16.124	16.124 (1.106)	42	3645343			0.00- 30.00	65.99

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8060706.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: JG
Method File: /chem/msd8.i/8-07jun.b/t14q530b.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 07-JUN-2007
Calibration Time: 11:37
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	350593	210356	490830	361211	3.03
88 1,4-Difluorobenze	1524282	914569	2133995	1595379	4.66
125 Chlorobenzene-d5	1168126	700876	1635376	1171779	0.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

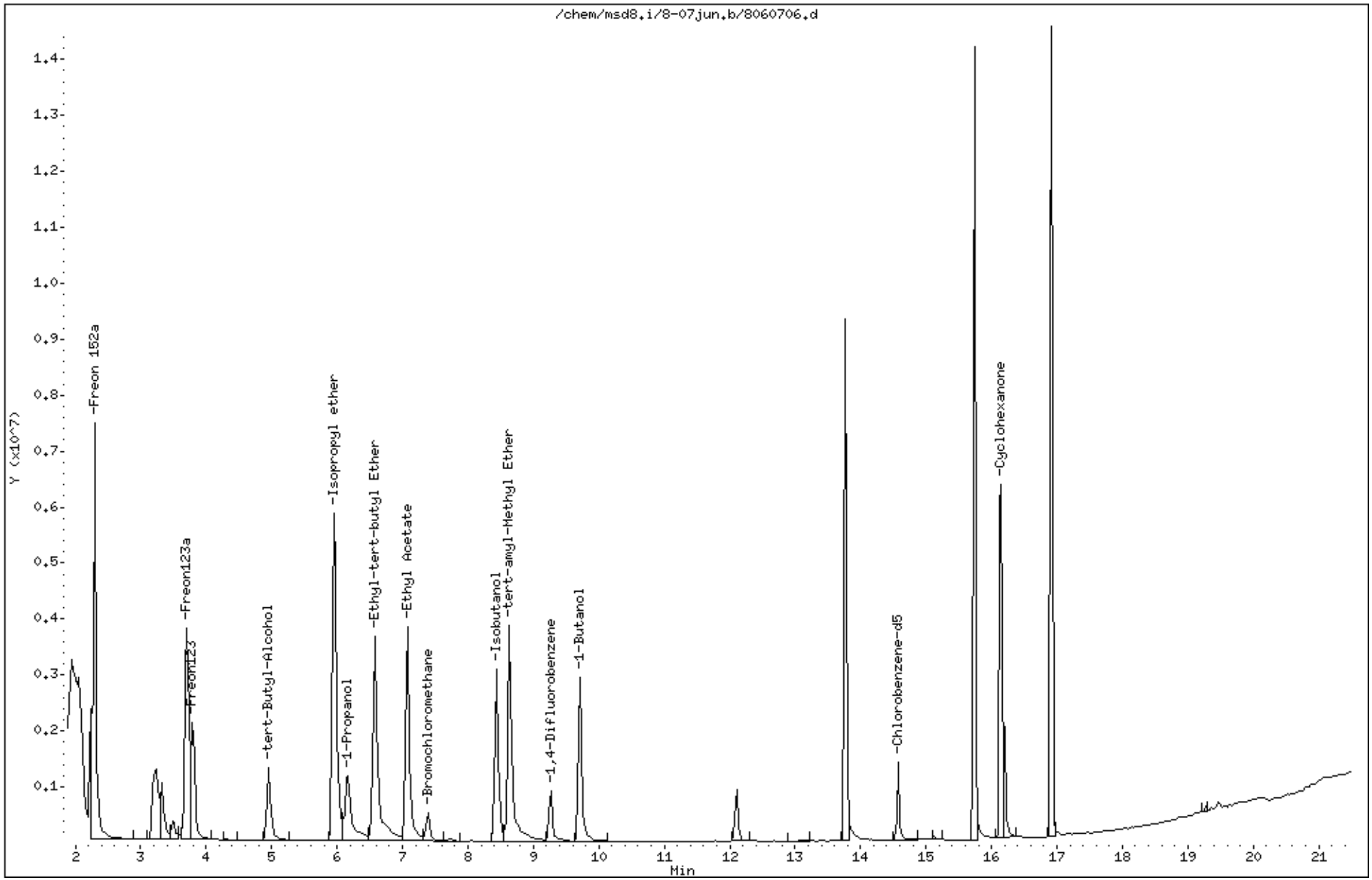
0149

Data File: /chem/msd8.i/8-07jun.b/8060706.d
Date : 07-JUN-2007 12:08
Client ID: Level 7
Sample Info: 200ml #1443-96

Column phase: RTx-624

Instrument: msd8.i

Operator: JG
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-30may.b/8053009.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 30-MAY-2007 17:02
Operator : db Inst ID: msd8.i
Smp Info : 200ml #1487-289
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd8.i/8-30may.b/t14q530a.m
Meth Date : 31-May-2007 14:53 jgray Quant Type: ISTD
Cal Date : 30-MAY-2007 17:02 Cal File: 8053009.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	448309	25.0000		70.00- 130.00	100.00
7.387	7.387 (1.000)	128	332770			47.57- 107.57	74.23
7.387	7.387 (1.000)	49	652713			113.47- 173.47	145.59
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	2033490	25.0000		70.00- 130.00	100.00
9.267	9.267 (1.000)	88	307791			0.00- 45.68	15.14
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	1524596	25.0000		70.00- 130.00	100.00
14.576	14.576 (1.000)	82	864175			0.00- 30.00	56.68
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	624669	25.0000	26.623	70.00- 130.00	100.00
8.465	8.465 (1.146)	67	466938			0.00- 30.00	74.75
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	1740690	25.0000	24.726	70.00- 130.00	100.00
12.115	12.115 (1.307)	70	177697			0.00- 30.00	10.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	1188238			0.00- 30.00	68.26
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	926433	25.0000	25.539	70.00- 130.00	100.00
16.207	16.207 (1.112)	95	1239953			102.16- 162.16	133.84
16.207	16.207 (1.112)	176	905386			64.31- 124.31	97.73
3 Propylene					CAS #: 115-07-1		
1.995	1.995 (0.270)	41	4152556	200.000	171.14	70.00- 130.00	100.00
1.995	1.995 (0.270)	42	2781935			0.00- 30.00	66.99
1.995	1.995 (0.270)	39	2816950			0.00- 30.00	67.84
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.050 (0.278)	85	10585010	200.000	172.34	70.00- 130.00	100.00
2.050	2.050 (0.278)	87	3334935			0.00- 30.00	31.51
6 Freon 114					CAS #: 76-14-2		
2.189	2.189 (0.296)	135	10270951	200.000	185.10	70.00- 130.00	100.00
2.189	2.189 (0.296)	137	3216633			1.53- 61.53	31.32
8 Chloromethane					CAS #: 74-87-3		
2.299	2.299 (0.311)	50	5091461	200.000	180.00	70.00- 130.00	100.00
2.299	2.299 (0.311)	52	1478081			0.00- 30.00	29.03
9 Butane					CAS #: 106-97-8		
2.355	2.355 (0.319)	58	1345216	200.000	182.11	70.00- 130.00	100.00
2.355	2.355 (0.319)	43	9990258			0.00- 30.00	742.65
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.410 (0.326)	62	5882802	200.000	178.99	70.00- 130.00	100.00
2.410	2.410 (0.326)	64	1795563			0.00- 30.00	30.52
10 1,3-Butadiene					CAS #: 106-99-0		
2.410	2.410 (0.326)	54	4947217	200.000	175.97	70.00- 130.00	100.00
2.410	2.410 (0.326)	39	5464185			0.00- 30.00	110.45
13 Bromomethane					CAS #: 74-83-9		
2.852	2.852 (0.386)	94	4328268	200.000	197.12	70.00- 130.00	100.00
2.852	2.852 (0.386)	96	4126213			65.03- 125.03	95.33
16 Chloroethane					CAS #: 75-00-3		
2.963	2.963 (0.401)	64	3148287	200.000	180.99	70.00- 130.00	100.00
2.963	2.963 (0.401)	49	753176			0.00- 30.00	23.92
2.963	2.963 (0.401)	66	936359			0.00- 30.00	29.74

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	8041442	200.000	195.94	70.00- 130.00	100.00
2.963	2.963 (0.401)	57	5344427			0.00- 30.00	66.46
2.963	2.963 (0.401)	72	583435			0.00- 30.00	7.26
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.212 (0.435)	101	13289588	200.000	190.37	70.00- 130.00	100.00
3.212	3.212 (0.435)	103	8582872			34.97- 94.97	64.58
23 Ethanol					CAS #: 64-17-5		
3.571	3.571 (0.483)	45	2070197	200.000	185.71	70.00- 130.00	100.00
3.571	3.571 (0.483)	43	359833			0.00- 30.00	17.38
3.571	3.571 (0.483)	46	831102			0.00- 30.00	40.15
28 Freon 113					CAS #: 76-13-1		
3.931	3.931 (0.532)	151	8576901	200.000	185.69	70.00- 130.00	100.00
3.931	3.931 (0.532)	153	5456307			33.71- 93.71	63.62
3.931	3.931 (0.532)	101	10076601			86.34- 146.34	117.49
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.958 (0.536)	61	8602773	200.000	187.54	70.00- 130.00	100.00
3.958	3.958 (0.536)	96	5115455			30.45- 90.45	59.46
3.958	3.958 (0.536)	98	3278527			8.39- 68.39	38.11
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	2890019	200.000	188.12	70.00- 130.00	100.00
4.124	4.124 (0.558)	43	8716480			0.00- 30.00	301.61
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	16324453	200.000	189.89	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	10466020	200.000	188.42	70.00- 130.00	100.00
4.318	4.318 (0.584)	43	1932601			0.00- 30.00	18.47
4.318	4.318 (0.584)	59	413505			0.00- 30.00	3.95
37 3-Chloropropene					CAS #: 107-05-1		
4.566	4.566 (0.618)	76	2714411	200.000	197.92	70.00- 130.00	100.00
4.566	4.566 (0.618)	41	8255613			0.00- 30.00	304.14
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	6217595	200.000	181.05	70.00- 130.00	100.00
4.815	4.815 (0.652)	84	4498494			41.01- 101.01	72.35
4.815	4.815 (0.652)	51	1878140			0.00- 30.00	30.21
43 MTBE					CAS #: 1634-04-4		
5.147	5.147 (0.697)	73	9333899	200.000	191.11	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
43 MTBE (continued)							
5.147	5.147 (0.697)	57	2192207			0.00- 53.82	23.49
5.147	5.147 (0.697)	41	2086738			0.00- 30.00	22.36
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.175 (0.701)	96	5912048	200.000	182.14	70.00- 130.00	100.00
5.175	5.175 (0.701)	61	8855088			119.04- 179.04	149.78
5.175	5.175 (0.701)	98	3761119			0.00- 30.00	63.62
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	10195455	200.000	207.10	70.00- 130.00	100.00(A)
5.534	5.534 (0.749)	43	6386604			0.00- 30.00	62.64
5.534	5.534 (0.749)	86	1626253			0.00- 30.00	15.95
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	10336900	200.000	195.36	70.00- 130.00	100.00
5.949	5.949 (0.805)	65	3213837			1.22- 61.22	31.09
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	1549543	200.000	207.45	70.00- 130.00	100.00(A)
6.032	6.032 (0.817)	43	16691748			0.00- 30.00	1077.20
6.032	6.032 (0.817)	42	1228627			0.00- 30.00	79.29
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	7586985	200.000	181.17	70.00- 130.00	100.00
6.972	6.972 (0.944)	96	5613120			45.09- 105.09	73.98
6.972	6.972 (0.944)	98	3566701			17.66- 77.66	47.01
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	2839689	200.000	191.14	70.00- 130.00	100.00
7.027	7.027 (0.951)	43	12152318			398.56- 458.56	427.95
7.027	7.027 (0.951)	57	913237			0.00- 30.00	32.16
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.387 (1.000)	42	7203120	200.000	186.53	70.00- 130.00	100.00
7.387	7.387 (1.000)	71	2561625			5.14- 65.14	35.56
7.387	7.387 (1.000)	72	2765395			0.00- 30.00	38.39
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	10146243	200.000	191.74	70.00- 130.00	100.00
7.525	7.525 (1.019)	85	6278598			31.98- 91.98	61.88
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	8151077	200.000	185.65	70.00- 130.00	100.00
7.746	7.746 (1.049)	56	10487225			99.30- 159.30	128.66
7.746	7.746 (1.049)	41	5082554			33.84- 93.84	62.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	10604133	200.000	191.25	70.00- 130.00	100.00
7.774	7.774 (1.052)	99	6750218			34.73- 94.73	63.66
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	10305397	200.000	204.25	70.00- 130.00	100.00(A)
7.995	7.995 (1.082)	117	10656606			74.04- 134.04	103.41
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	17785145	200.000	193.61	70.00- 130.00	100.00
8.437	8.437 (0.910)	77	3896089			0.00- 30.00	21.91
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	26545736	200.000	202.53	70.00- 130.00	100.00(A)
8.465	8.465 (1.146)	56	8248292			0.00- 30.00	31.07
8.465	8.465 (1.146)	41	6074066			0.00- 30.00	22.88
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	7018378	200.000	188.31	70.00- 130.00	100.00
8.603	8.603 (0.928)	64	2171145			0.00- 30.00	30.94
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	1749662	200.000	176.00	70.00- 130.00	100.00
8.852	8.852 (0.955)	43	10101737			0.00- 30.00	577.35
8.852	8.852 (0.955)	71	5661505			0.00- 30.00	323.58
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	6875905	200.000	188.87	70.00- 130.00	100.00
9.682	9.682 (1.045)	130	7400546			77.84- 137.84	107.63
9.682	9.682 (1.045)	97	4412159			34.22- 94.22	64.17
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	10900787	200.000	199.28	70.00- 130.00	100.00
9.903	9.903 (1.341)	98	4807211			0.00- 30.00	44.10
9.903	9.903 (1.341)	55	8581305			0.00- 30.00	78.72
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	6102724	200.000	191.69	70.00- 130.00	100.00
10.179	10.179 (1.098)	62	4318168			42.15- 102.15	70.76
10.179	10.179 (1.098)	41	3413820			26.47- 86.47	55.94
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	3854134	200.000	198.48	70.00- 130.00	100.00
10.428	10.428 (1.125)	58	2794898			44.03- 104.03	72.52
10.428	10.428 (1.125)	57	841647			0.00- 30.00	21.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	10477147	200.000	197.04	70.00- 130.00	100.00
10.732	10.732 (1.158)	85	6434109			31.03- 91.03	61.41
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	8703573	200.000	196.72	70.00- 130.00	100.00
11.672	11.672 (1.260)	77	2719406			1.19- 61.19	31.24
11.672	11.672 (1.260)	39	4066285			16.93- 76.93	46.72
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	4830872	200.000	201.84	70.00- 130.00	100.00(A)
12.032	12.032 (1.298)	43	12195996			0.00- 30.00	252.46
12.032	12.032 (1.298)	85	2017678			0.00- 30.00	41.77
105 Toluene					CAS #: 108-88-3		
12.253	12.253 (1.322)	91	18836110	200.000	201.75	70.00- 130.00	100.00(A)
12.253	12.253 (1.322)	92	11087412			30.46- 90.46	58.86
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.834 (0.880)	75	8893044	200.000	201.20	70.00- 130.00	100.00(A)
12.834	12.834 (0.880)	77	2758588			0.11- 60.11	31.02
12.834	12.834 (0.880)	39	4059278			15.75- 75.75	45.65
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	6072445	200.000	187.33	70.00- 130.00	100.00
13.138	13.138 (0.901)	99	3749841			31.47- 91.47	61.75
13.138	13.138 (0.901)	83	5216234			58.25- 118.25	85.90
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	8509996	200.000	193.97	70.00- 130.00	100.00
13.193	13.193 (0.905)	129	6421962			45.90- 105.90	75.46
13.193	13.193 (0.905)	131	6172896			43.88- 103.88	72.54
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	6995194	200.000	217.79	70.00- 130.00	100.00(A)
13.580	13.580 (0.932)	43	12710091			147.03- 207.03	181.70
13.580	13.580 (0.932)	100	1440713			0.00- 30.00	20.60
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.718 (0.941)	129	10582353	200.000	208.30	70.00- 130.00	100.00(A)
13.718	13.718 (0.941)	127	8100146			0.00- 30.00	76.54
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	9615029	200.000	194.66	70.00- 130.00	100.00
13.884	13.884 (0.953)	109	9190853			65.18- 125.18	95.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
126 Chlorobenzene					CAS #: 108-90-7		
14.603	14.603 (1.002)	112	15794834	200.000	201.76	70.00- 130.00	100.00(A)
14.631	14.631 (1.004)	114	4886367			1.91- 61.91	30.94
14.603	14.603 (1.002)	77	8721903			26.50- 86.50	55.22
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	8105324	200.000	195.65	70.00- 130.00	100.00
14.769	14.769 (1.013)	91	22645192			0.00- 30.00	279.39
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	10381915	200.000	205.65	70.00- 130.00	100.00(A)
14.935	14.935 (1.025)	91	19724408			0.00- 30.00	189.99
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	10154080	200.000	199.32	70.00- 130.00	100.00
15.488	15.488 (1.063)	91	18196909			177.47- 237.47	179.21
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	15909823	200.000	219.09	70.00- 130.00	100.00(A)
15.516	15.516 (1.064)	78	7701877			20.25- 80.25	48.41
135 Bromoform					CAS #: 75-25-2		
15.765	15.765 (1.082)	173	10020398	200.000	224.24	70.00- 130.00	100.00(A)
15.765	15.765 (1.082)	171	5036697			21.05- 81.05	50.26
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	26088631	200.000	187.36	70.00- 130.00	100.00
15.958	15.958 (1.095)	120	7362914			0.00- 30.00	28.22
15.958	15.958 (1.095)	51	2543543			0.00- 30.00	9.75
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	14918929	200.000	200.26	70.00- 130.00	100.00(A)
16.456	16.456 (1.129)	85	9007640			31.99- 91.99	60.38
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	23743906	200.000	148.89	70.00- 130.00	100.00
16.483	16.483 (1.131)	120	7677511			0.00- 30.00	32.33
16.483	16.483 (1.131)	105	1188043			0.00- 30.00	5.00
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	21121664	200.000	154.48	70.00- 130.00	100.00
16.649	16.649 (1.142)	120	9170339			0.00- 59.60	43.42
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	18184900	200.000	138.37	70.00- 130.00	100.00
16.732	16.732 (1.148)	120	14177241			0.00- 30.00	77.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	16318393	200.000	123.36	70.00- 130.00	100.00
17.147	17.147 (1.176)	120	12694037			15.41- 75.41	77.79
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	16249745	200.000	188.43	70.00- 130.00	100.00
17.451	17.451 (1.197)	148	12045123			0.00- 30.00	74.12
17.451	17.451 (1.197)	111	7776993			0.00- 30.00	47.86
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	15969247	200.000	195.40	70.00- 130.00	100.00
17.562	17.562 (1.205)	148	11683869			0.00- 30.00	73.16
17.562	17.562 (1.205)	111	6235138			0.00- 30.00	39.04
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	16188926	200.000	136.28	70.00- 130.00	100.00
17.700	17.700 (1.214)	126	5969592			0.00- 30.00	36.87
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	16002972	200.000	192.64	70.00- 130.00	100.00
17.921	17.921 (1.230)	148	10877445			32.70- 92.70	67.97
17.921	17.921 (1.230)	111	6353120			7.07- 67.07	39.70
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	14910912	200.000	177.60	70.00- 130.00	100.00
19.276	19.276 (1.322)	182	14865436			65.19- 125.19	99.70
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	8939871	200.000	185.51	70.00- 130.00	100.00
19.359	19.359 (1.328)	223	5565949			33.26- 93.26	62.26
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	16033683	200.000	90.554	70.00- 130.00	100.00
19.470	19.470 (1.336)	127	5377959			0.00- 30.00	33.54

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8053009.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: db
Method File: /chem/msd8.i/8-30may.b/t14q530a.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 30-MAY-2007
Calibration Time: 16:03
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	441133	264680	617586	448309	1.63
88 1,4-Difluorobenze	1992312	1195387	2789237	2033490	2.07
125 Chlorobenzene-d5	1475337	885202	2065472	1524596	3.34

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

0159

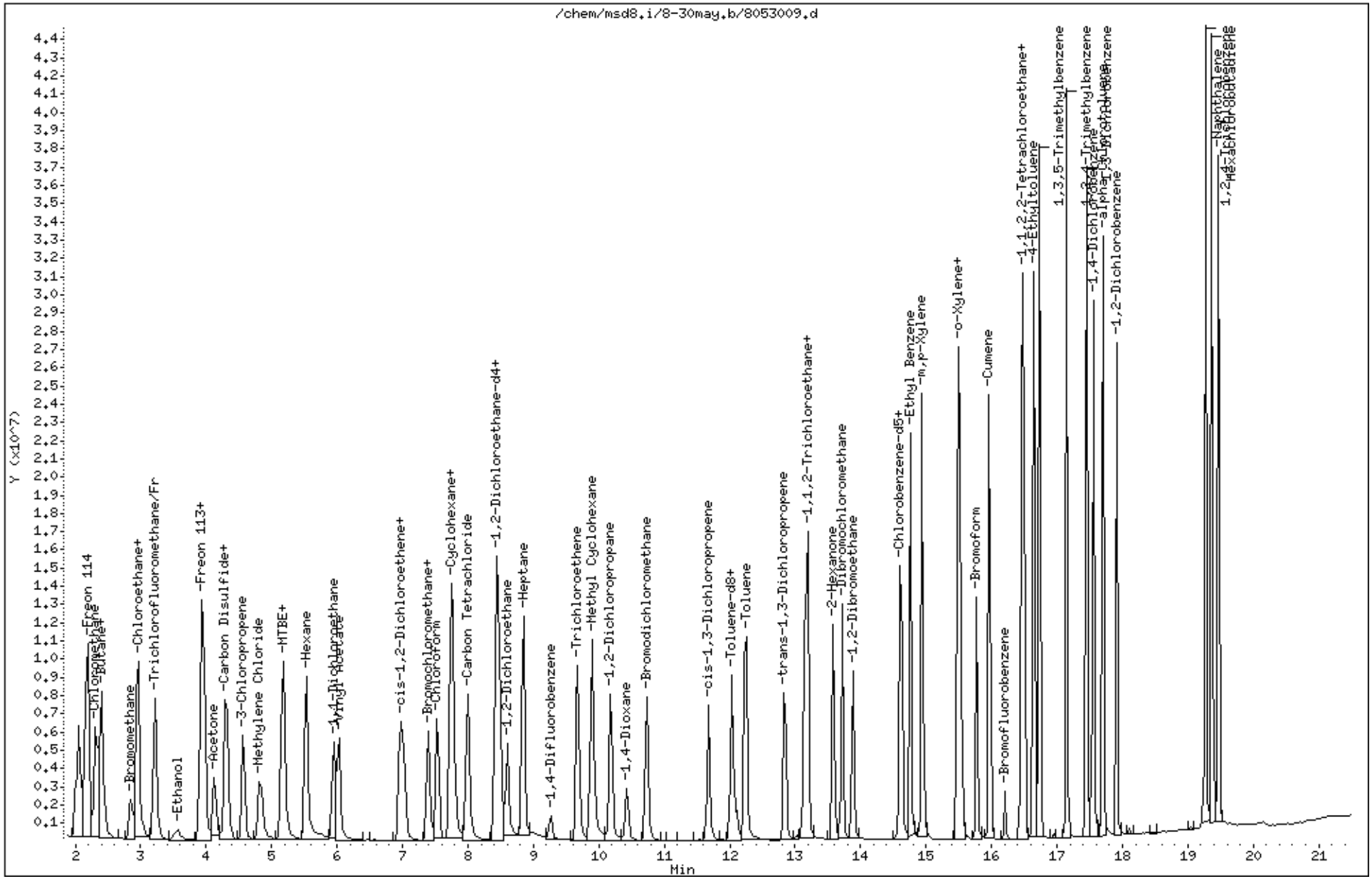
Data File: /chem/msd8.i/8-30may.b/8053009.d
Date : 30-MAY-2007 17:02
Client ID: Level 7
Sample Info: 200ml #1487-289

Instrument: msd8.i

Operator: db

Column phase: RTx-624

Column diameter: 0.53



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707238-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 09:34 AM**	

Compound	%Recovery
Freon 12	110
Freon 114	95
Vinyl Chloride	89
Bromomethane	98
Chloroethane	86
Freon 11	99
1,1-Dichloroethene	89
Freon 113	91
Methylene Chloride	92
1,1-Dichloroethane	88
cis-1,2-Dichloroethene	81
Chloroform	83
1,1,1-Trichloroethane	90
Carbon Tetrachloride	100
Benzene	81
1,2-Dichloroethane	100
Trichloroethene	87
1,2-Dichloropropane	80
cis-1,3-Dichloropropene	80
Toluene	80
trans-1,3-Dichloropropene	89
1,1,2-Trichloroethane	80
Tetrachloroethene	88
1,2-Dibromoethane (EDB)	86
Chlorobenzene	82
Ethyl Benzene	79
m,p-Xylene	83
o-Xylene	77
Styrene	83
1,1,2,2-Tetrachloroethane	74
1,3,5-Trimethylbenzene	81
1,2,4-Trimethylbenzene	87
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	77
alpha-Chlorotoluene	83
1,2-Dichlorobenzene	75
1,3-Butadiene	87
Hexane	81
Cyclohexane	73

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707238-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 09:34 AM**	

Compound	**%Recovery**
Heptane	84
Bromodichloromethane	92
Dibromochloromethane	96
Cumene	87
Propylbenzene	95
Chloromethane	102
1,2,4-Trichlorobenzene	78
Hexachlorobutadiene	126
Acetone	90
Carbon Disulfide	86
2-Propanol	84
trans-1,2-Dichloroethene	82
2-Butanone (Methyl Ethyl Ketone)	76
Tetrahydrofuran	82
1,4-Dioxane	81
4-Methyl-2-pentanone	78
2-Hexanone	70
Bromoform	101
4-Ethyltoluene	85
Ethanol	91
Methyl tert-butyl ether	121
3-Chloropropene	92
2,2,4-Trimethylpentane	71
Naphthalene	76

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 18-JUL-2007 09:34
Lab File ID: 8071802.d Init. Cal. Date(s): 30-MAY-2007 17-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:12 10:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-18jul.b/t14q530c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 82 1,2-Dichloroethane-d4	1.30843	1.46062	0.010	-11.63188	30.00000	Averaged
$ 104 Toluene-d8	0.86549	0.82351	0.010	4.85070	30.00000	Averaged
$ 140 Bromofluorobenzene	0.59482	0.63621	0.010	-6.95761	30.00000	Averaged
3 Propylene	1.35311	1.30541	0.010	3.52524	30.00000	Averaged
4 Dichlorodifluoromethane/Fr1	3.42502	3.77987	0.010	-10.36065	30.00000	Averaged
6 Freon 114	3.09425	2.93610	0.010	5.11127	30.00000	Averaged
8 Chloromethane	1.57733	1.60393	0.010	-1.68585	30.00000	Averaged
11 Vinyl Chloride	1.83284	1.63646	0.010	10.71468	30.00000	Averaged
10 1,3-Butadiene	1.56776	1.36688	0.010	12.81360	30.00000	Averaged
13 Bromomethane	1.22449	1.19481	0.010	2.42365	30.00000	Averaged
16 Chloroethane	0.97001	0.83155	0.010	14.27372	30.00000	Averaged
18 Trichlorofluoromethane/Fr11	3.89297	3.85446	0.010	0.98913	30.00000	Averaged
23 Ethanol	0.62165	0.56532	0.010	9.06093	30.00000	Averaged
28 Freon 113	2.57573	2.33613	0.010	9.30217	30.00000	Averaged
29 1,1-Dichloroethene	2.55796	2.27102	0.010	11.21769	30.00000	Averaged
30 Acetone	0.85672	0.77403	0.010	9.65155	30.00000	Averaged
34 2-Propanol	3.09759	2.61607	0.010	15.54471	30.00000	Averaged
33 Carbon Disulfide	4.79398	4.14642	0.010	13.50783	30.00000	Averaged
37 3-Chloropropene	0.76480	0.70497	0.010	7.82305	30.00000	Averaged
40 Methylene Chloride	1.91508	1.76389	0.010	7.89475	30.00000	Averaged
43 MTBE	2.72362	3.30061	0.010	-21.18484	30.00000	Averaged
45 trans-1,2-Dichloroethene	1.81006	1.49142	0.010	17.60342	30.00000	Averaged
46 Hexane	2.74528	2.22626	0.010	18.90596	30.00000	Averaged
54 1,1-Dichloroethane	2.95068	2.59184	0.010	12.16109	30.00000	Averaged
55 Vinyl Acetate	0.41654	0.32890	0.010	21.03977	30.00000	Averaged
65 2-Butanone	0.82850	0.62888	0.010	24.09433	30.00000	Averaged
64 cis-1,2-Dichloroethene	2.33530	1.88560	0.010	19.25692	30.00000	Averaged
67 Tetrahydrofuran	2.15347	1.76729	0.010	17.93278	30.00000	Averaged
70 Chloroform	3.17561	2.62358	0.010	17.38337	30.00000	Averaged
75 1,1,1-Trichloroethane	3.09194	2.77459	0.010	10.26402	30.00000	Averaged
73 Cyclohexane	2.44845	1.78384	0.010	27.14407	30.00000	Averaged
77 Carbon Tetrachloride	2.81355	2.82007	0.010	-0.23176	30.00000	Averaged
80 2,2,4-Trimethylpentane	7.30928	5.21229	0.010	28.68949	30.00000	Averaged
81 Benzene	1.17761	0.95216	0.010	19.14542	30.00000	Averaged
83 1,2-Dichloroethane	0.45822	0.46067	0.010	-0.53555	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 18-JUL-2007 09:34
Lab File ID: 8071802.d Init. Cal. Date(s): 30-MAY-2007 17-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:12 10:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-18jul.b/t14q530c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
85 Heptane	0.12222	0.10233	0.010	16.26946	30.00000	Averaged	
94 Trichloroethene	0.44757	0.38947	0.010	12.98093	30.00000	Averaged	
97 1,2-Dichloropropane	0.39140	0.31457	0.010	19.62797	30.00000	Averaged	
98 1,4-Dioxane	0.23873	0.19253	0.010	19.34925	30.00000	Averaged	
100 Bromodichloromethane	0.65370	0.60522	0.010	7.41601	30.00000	Averaged	
102 cis-1,3-Dichloropropene	0.54392	0.43270	0.010	20.44819	30.00000	Averaged	
103 4-Methyl-2-pentanone	0.29426	0.23082	0.010	21.55890	30.00000	Averaged	
105 Toluene	1.14782	0.92377	0.010	19.51949	30.00000	Averaged	
108 trans-1,3-Dichloropropene	0.72478	0.64722	0.010	10.69997	30.00000	Averaged	
110 1,1,2-Trichloroethane	0.53155	0.42583	0.010	19.88770	30.00000	Averaged	
112 Tetrachloroethene	0.71942	0.63351	0.010	11.94201	30.00000	Averaged	
114 2-Hexanone	0.52669	0.36688	0.010	30.34190	30.00000	Averaged	<-
116 Dibromochloromethane	0.83304	0.79863	0.010	4.13052	30.00000	Averaged	
117 1,2-Dibromoethane	0.80993	0.69905	0.010	13.69093	30.00000	Averaged	
126 Chlorobenzene	1.28368	1.05796	0.010	17.58400	30.00000	Averaged	
129 Ethyl Benzene	0.67934	0.53440	0.010	21.33507	30.00000	Averaged	
130 m,p-Xylene	0.82782	0.68982	0.010	16.67013	30.00000	Averaged	
132 o-Xylene	0.83535	0.64233	0.010	23.10657	30.00000	Averaged	
134 Styrene	1.17936	0.98083	0.010	16.83408	30.00000	Averaged	
135 Bromoform	0.73275	0.73947	0.010	-0.91764	30.00000	Averaged	
144 1,1,2,2-Tetrachloroethane	1.22162	0.91128	0.010	25.40356	30.00000	Averaged	
147 4-Ethyltoluene	2.24196	1.91426	0.010	14.61680	30.00000	Averaged	
148 1,3,5-Trimethylbenzene	2.15500	1.73810	0.010	19.34565	30.00000	Averaged	
153 1,2,4-Trimethylbenzene	2.16919	1.88222	0.010	13.22941	30.00000	Averaged	
156 1,3-Dichlorobenzene	1.41407	1.27123	0.010	10.10168	30.00000	Averaged	
157 1,4-Dichlorobenzene	1.34013	1.03241	0.010	22.96244	30.00000	Averaged	
158 alpha-Chlorotoluene	1.94799	1.60947	0.010	17.37799	30.00000	Averaged	
161 1,2-Dichlorobenzene	1.36216	1.02456	0.010	24.78399	30.00000	Averaged	
167 1,2,4-Trichlorobenzene	1.37671	1.07925	0.010	21.60644	30.00000	Averaged	
168 Hexachlorobutadiene	0.79022	0.99859	0.010	-26.36902	30.00000	Averaged	
145 Propylbenzene	2.61503	2.48880	0.010	4.82729	30.00000	Averaged	
137 Cumene	2.35689	2.05528	0.010	12.79698	30.00000	Averaged	
169 Naphthalene	2.90342	2.21388	0.010	23.74906	30.00000	Averaged	
9 Butane	0.41193	0.37596	0.010	8.73339	30.00000	Averaged	
15 Isopentane	2.28859	2.13830	0.010	6.56687	30.00000	Averaged	

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 18-JUL-2007 09:34
Lab File ID: 8071802.d Init. Cal. Date(s): 30-MAY-2007 17-JUL-2007
Analysis Type: AIR Init. Cal. Times: 14:12 10:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-18jul.b/t14q530c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
95 Methyl Cyclohexane	3.05031	2.20777	0.010	27.62151	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-18jul.b/8071802.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 18-JUL-2007 09:34
Operator : lmr Inst ID: msd8.i
Smp Info : 50ml #1443-137
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd8.i/8-18jul.b/t14q530c.m
Meth Date : 18-Jul-2007 10:55 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 10:39 Cal File: 8071704.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.387	7.387 (1.000)	130	333126	25.0000		80.00- 120.00		100.00
7.387	7.387 (1.000)	128	259998			48.05- 108.05		78.05
7.387	7.387 (1.000)	49	493099			118.02- 178.02		148.02
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.267	9.267 (1.000)	114	1394778	25.0000		80.00- 120.00		100.00
9.267	9.267 (1.000)	88	207323			0.00- 44.86		14.86
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.576	14.576 (1.000)	117	1020784	25.0000		80.00- 120.00		100.00
14.576	14.576 (1.000)	82	565836			0.00- 30.00		55.43
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.465	8.465 (1.146)	65	486571	25.0000	27.908	80.00- 120.00		100.00
8.465	8.465 (1.146)	67	278240			0.00- 30.00		57.18
$ 104 Toluene-d8					CAS #: 2037-26-5			
12.115	12.115 (1.307)	98	1148613	25.0000	23.787	80.00- 120.00		100.00
12.115	12.115 (1.307)	70	122950			0.00- 30.00		10.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	765842			0.00- 30.00	66.68
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	649433	25.0000	26.739	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	779132			89.97- 149.97	119.97
16.207	16.207 (1.112)	176	627106			66.56- 126.56	96.56
3 Propylene					CAS #: 115-07-1		
2.023	2.023 (0.274)	41	869735	50.0000	48.237	80.00- 120.00	100.00
2.023	2.023 (0.274)	42	565370			0.00- 30.00	65.00
2.023	2.023 (0.274)	39	591136			0.00- 30.00	67.97
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.078	2.078 (0.281)	85	2518348	50.0000	55.180	80.00- 120.00	100.00
2.078	2.078 (0.281)	87	805703			0.00- 30.00	31.99
6 Freon 114					CAS #: 76-14-2		
2.161	2.161 (0.293)	135	1956181	50.0000	47.444	80.00- 120.00	100.00
2.161	2.161 (0.293)	137	624950			1.95- 61.95	31.95
8 Chloromethane					CAS #: 74-87-3		
2.299	2.299 (0.311)	50	1068619	50.0000	50.843	80.00- 120.00	100.00
2.299	2.299 (0.311)	52	321598			0.00- 30.00	30.09
11 Vinyl Chloride					CAS #: 75-01-4		
2.437	2.437 (0.330)	62	1090293	50.0000	44.643	80.00- 120.00	100.00
2.437	2.437 (0.330)	64	335622			0.00- 30.00	30.78
10 1,3-Butadiene					CAS #: 106-99-0		
2.410	2.410 (0.326)	54	910684	50.0000	43.593	80.00- 120.00	100.00
2.410	2.410 (0.326)	39	977708			0.00- 30.00	107.36
13 Bromomethane					CAS #: 74-83-9		
2.852	2.852 (0.386)	94	796044	50.0000	48.788	80.00- 120.00	100.00
2.852	2.852 (0.386)	96	751940			64.46- 124.46	94.46
16 Chloroethane					CAS #: 75-00-3		
2.935	2.935 (0.397)	64	554024	50.0000	42.863	80.00- 120.00	100.00
2.935	2.935 (0.397)	49	150307			0.00- 30.00	27.13
2.935	2.935 (0.397)	66	169939			0.00- 30.00	30.67
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.239	3.239 (0.439)	101	2568043	50.0000	49.505	80.00- 120.00	100.00
3.239	3.239 (0.439)	103	1668040			34.95- 94.95	64.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.543	3.543 (0.480)	45	376646	50.0000	45.470	80.00- 120.00	100.00
3.516	3.516 (0.476)	43	83668			0.00- 30.00	22.21
3.516	3.516 (0.476)	46	159268			0.00- 30.00	42.29
28 Freon 113					CAS #: 76-13-1		
3.958	3.958 (0.536)	151	1556452	50.0000	45.349	80.00- 120.00	100.00
3.958	3.958 (0.536)	153	1027724			36.03- 96.03	66.03
3.958	3.958 (0.536)	101	1782524			84.52- 144.52	114.52
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.986	3.986 (0.540)	61	1513069	50.0000	44.391	80.00- 120.00	100.00
3.986	3.986 (0.540)	96	886493			28.59- 88.59	58.59
3.986	3.986 (0.540)	98	573805			7.92- 67.92	37.92
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	515700	50.0000	45.174	80.00- 120.00	100.00
4.124	4.124 (0.558)	43	1681603			0.00- 30.00	326.08
34 2-Propanol					CAS #: 67-63-0		
4.318	4.318 (0.584)	45	1742965	50.0000	42.228	80.00- 120.00	100.00
4.318	4.318 (0.584)	43	405046			0.00- 30.00	23.24
4.318	4.318 (0.584)	59	68319			0.00- 30.00	3.92
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	2762559	50.0000	43.246	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.594	4.594 (0.622)	76	469686	50.0000	46.088	80.00- 120.00	100.00
4.594	4.594 (0.622)	41	1454744			0.00- 30.00	309.73
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	1175194	50.0000	46.053	80.00- 120.00	100.00
4.815	4.815 (0.652)	84	793419			37.51- 97.51	67.51
4.815	4.815 (0.652)	51	346930			0.00- 30.00	29.52
43 MTBE					CAS #: 1634-04-4		
5.175	5.175 (0.701)	73	2199040	50.0000	60.592	80.00- 120.00	100.00
5.175	5.175 (0.701)	57	501267			0.00- 52.79	22.79
5.175	5.175 (0.701)	41	581558			0.00- 30.00	26.45
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.202	5.202 (0.704)	96	993664	50.0000	41.198	80.00- 120.00	100.00
5.202	5.202 (0.704)	61	1542498			125.23- 185.23	155.23
5.202	5.202 (0.704)	98	649170			0.00- 30.00	65.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	1483248	50.0000	40.547	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	1002055			0.00- 30.00	67.56
5.534	5.534 (0.749)	86	237771			0.00- 30.00	16.03
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	1726820	50.0000	43.919	80.00- 120.00	100.00
5.949	5.949 (0.805)	65	552237			1.98- 61.98	31.98
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	219133	50.0000	39.480	80.00- 120.00	100.00
6.032	6.032 (0.817)	43	2635367			0.00- 30.00	1202.63
6.032	6.032 (0.817)	42	219613			0.00- 30.00	100.22
65 2-Butanone					CAS #: 78-93-3		
7.027	7.027 (0.951)	72	418990	50.0000	37.953	80.00- 120.00	100.00
7.027	7.027 (0.951)	43	1966699			439.39- 499.39	469.39
7.027	7.027 (0.951)	57	146896			0.00- 30.00	35.06
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	1256282	50.0000	40.372	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	900302			41.66- 101.66	71.66
6.972	6.972 (0.944)	98	585993			16.65- 76.65	46.65
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.387 (1.000)	42	1177460	50.0000	41.034	80.00- 120.00	100.00
7.387	7.387 (1.000)	71	379927			2.27- 62.27	32.27
7.387	7.387 (1.000)	72	420657			0.00- 30.00	35.73
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	1747964	50.0000	41.308	80.00- 120.00	100.00
7.525	7.525 (1.019)	85	1096558			32.73- 92.73	62.73
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	1848573	50.0000	44.868	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	1212772			35.61- 95.61	65.61
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	1188489	50.0000	36.428	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	1595488			104.25- 164.25	134.25
7.746	7.746 (1.049)	41	805766			37.80- 97.80	67.80
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	1878879	50.0000	50.116	80.00- 120.00	100.00
7.995	7.995 (1.082)	117	1938659			73.18- 133.18	103.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	3472696	50.0000	35.655	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	1097704			0.00- 30.00	31.61
8.465	8.465 (1.146)	41	967438			0.00- 30.00	27.86
81 Benzene					CAS #: 71-43-2		
8.437	8.437 (0.910)	78	2656091	50.0000	40.427	80.00- 120.00	100.00
8.437	8.437 (0.910)	77	598116			0.00- 30.00	22.52
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	1285065	50.0000	50.268	80.00- 120.00	100.00
8.603	8.603 (0.928)	64	400454			0.00- 30.00	31.16
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	285464	50.0000	41.865	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	1620682			0.00- 30.00	567.74
8.852	8.852 (0.955)	71	845617			0.00- 30.00	296.23
94 Trichloroethene					CAS #: 79-01-6		
9.682	9.682 (1.045)	95	1086443	50.0000	43.510	80.00- 120.00	100.00
9.682	9.682 (1.045)	130	1124715			73.52- 133.52	103.52
9.682	9.682 (1.045)	97	685608			33.11- 93.11	63.11
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	877524	50.0000	40.186	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	617692			40.39- 100.39	70.39
10.179	10.179 (1.098)	41	632708			42.10- 102.10	72.10
98 1,4-Dioxane					CAS #: 123-91-1		
10.428	10.428 (1.125)	88	537086	50.0000	40.325	80.00- 120.00	100.00
10.428	10.428 (1.125)	58	404361			45.29- 105.29	75.29
10.428	10.428 (1.125)	57	133644			0.00- 30.00	24.88
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	1688309	50.0000	46.292	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	1029114			30.96- 90.96	60.96
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	1207039	50.0000	39.776	80.00- 120.00	100.00
11.672	11.672 (1.260)	77	380016			1.48- 61.48	31.48
11.672	11.672 (1.260)	39	723381			29.93- 89.93	59.93
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	643877	50.0000	39.220	80.00- 120.00	100.00
12.032	12.032 (1.298)	43	1730144			0.00- 30.00	268.71
12.032	12.032 (1.298)	85	268172			0.00- 30.00	41.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.225	12.225 (1.319)	91	2576922	50.0000	40.240	80.00- 120.00	100.00
12.225	12.225 (1.319)	92	1527724			29.28- 89.28	59.28
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.834 (0.880)	75	1321353	50.0000	44.650	80.00- 120.00	100.00
12.834	12.834 (0.880)	77	398682			0.17- 60.17	30.17
12.834	12.834 (0.880)	39	687873			22.06- 82.06	52.06
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	869367	50.0000	40.056	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	531110			31.09- 91.09	61.09
13.138	13.138 (0.901)	83	737109			54.79- 114.79	84.79
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	1293354	50.0000	44.029	80.00- 120.00	100.00
13.193	13.193 (0.905)	129	1014902			48.47- 108.47	78.47
13.193	13.193 (0.905)	131	983629			46.05- 106.05	76.05
114 2-Hexanone					CAS #: 591-78-6		
13.580	13.580 (0.932)	58	749010	50.0000	34.829	80.00- 120.00	100.00
13.580	13.580 (0.932)	43	1537742			175.30- 235.30	205.30
13.580	13.580 (0.932)	100	160813			0.00- 30.00	21.47
116 Dibromochloromethane					CAS #: 124-48-1		
13.718	13.718 (0.941)	129	1630465	50.0000	47.935	80.00- 120.00	100.00
13.718	13.718 (0.941)	127	1255257			0.00- 30.00	76.99
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	1427148	50.0000	43.154	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	1363721			65.56- 125.56	95.56
126 Chlorobenzene					CAS #: 108-90-7		
14.603	14.603 (1.002)	112	2159898	50.0000	41.208	80.00- 120.00	100.00
14.603	14.603 (1.002)	114	705118			2.65- 62.65	32.65
14.603	14.603 (1.002)	77	1265009			28.57- 88.57	58.57
129 Ethyl Benzene					CAS #: 100-41-4		
14.769	14.769 (1.013)	106	1091011	50.0000	39.332	80.00- 120.00	100.00
14.769	14.769 (1.013)	91	3451265			0.00- 30.00	316.34
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	1408314	50.0000	41.665	80.00- 120.00	100.00
14.935	14.935 (1.025)	91	2836216			0.00- 30.00	201.39
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	1311354	50.0000	38.447	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)							
15.488	15.488 (1.063)	91	2791381			182.86- 242.86	212.86
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	2002430	50.0000	41.583	80.00- 120.00	100.00
15.516	15.516 (1.064)	78	1086903			24.28- 84.28	54.28
135 Bromoform					CAS #: 75-25-2		
15.764	15.764 (1.082)	173	1509684	50.0000	50.459	80.00- 120.00	100.00
15.764	15.764 (1.082)	171	775413			21.36- 81.36	51.36
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	1860447	50.0000	37.298	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	1156978			32.19- 92.19	62.19
147 4-Ethyltoluene					CAS #: 622-96-8		
16.649	16.649 (1.142)	105	3908093	50.0000	42.692	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	1169922			0.00- 59.94	29.94
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	3548446	50.0000	40.327	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	1724527			0.00- 30.00	48.60
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	3842681	50.0000	43.385	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	1776127			16.22- 76.22	46.22
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	2595299	50.0000	44.949	80.00- 120.00	100.00
17.451	17.451 (1.197)	148	1654567			0.00- 30.00	63.75
17.451	17.451 (1.197)	111	1026974			0.00- 30.00	39.57
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	2107729	50.0000	38.519	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	1364839			0.00- 30.00	64.75
17.562	17.562 (1.205)	111	832333			0.00- 30.00	39.49
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	3285835	50.0000	41.311	80.00- 120.00	100.00
17.700	17.700 (1.214)	126	712187			0.00- 30.00	21.67
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	2091713	50.0000	37.608	80.00- 120.00	100.00
17.921	17.921 (1.230)	148	1342811			34.20- 94.20	64.20
17.893	17.893 (1.228)	111	869332			11.56- 71.56	41.56

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	2203370	50.0000	39.197	80.00- 120.00	100.00
19.276	19.276 (1.322)	182	2130647			66.70- 126.70	96.70
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	2038695	50.0000	63.184	80.00- 120.00	100.00
19.359	19.359 (1.328)	223	1288011			33.18- 93.18	63.18
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	5081045	50.0000	47.586	80.00- 120.00	100.00
16.483	16.483 (1.131)	120	1181646			0.00- 30.00	23.26
16.483	16.483 (1.131)	105	185647			0.00- 30.00	3.65
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	4195987	50.0000	43.602	80.00- 120.00	100.00
15.958	15.958 (1.095)	120	1077472			0.00- 30.00	25.68
15.958	15.958 (1.095)	51	448659			0.00- 30.00	10.69
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	4519792	50.0000	38.125	80.00- 120.00	100.00
19.470	19.470 (1.336)	127	546126			0.00- 30.00	12.08
9 Butane					CAS #: 106-97-8		
2.354	2.354 (0.319)	58	250482	50.0000	45.633	80.00- 120.00	100.00
2.354	2.354 (0.319)	43	1916666			0.00- 30.00	765.19
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	1424649	50.0000	46.716	80.00- 120.00	100.00
2.963	2.963 (0.401)	57	897550			0.00- 30.00	63.00
2.963	2.963 (0.401)	72	95576			0.00- 30.00	6.71
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	1470930	50.0000	36.189	80.00- 120.00	100.00
9.903	9.903 (1.341)	98	676127			0.00- 30.00	45.97
9.903	9.903 (1.341)	55	1229398			0.00- 30.00	83.58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071802.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 18-JUL-2007
Calibration Time: 10:39
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	281202	168721	393683	333126	18.47
88 1,4-Difluorobenze	1179016	707410	1650622	1394778	18.30
125 Chlorobenzene-d5	859862	515917	1203807	1020784	18.71

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	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.

0174

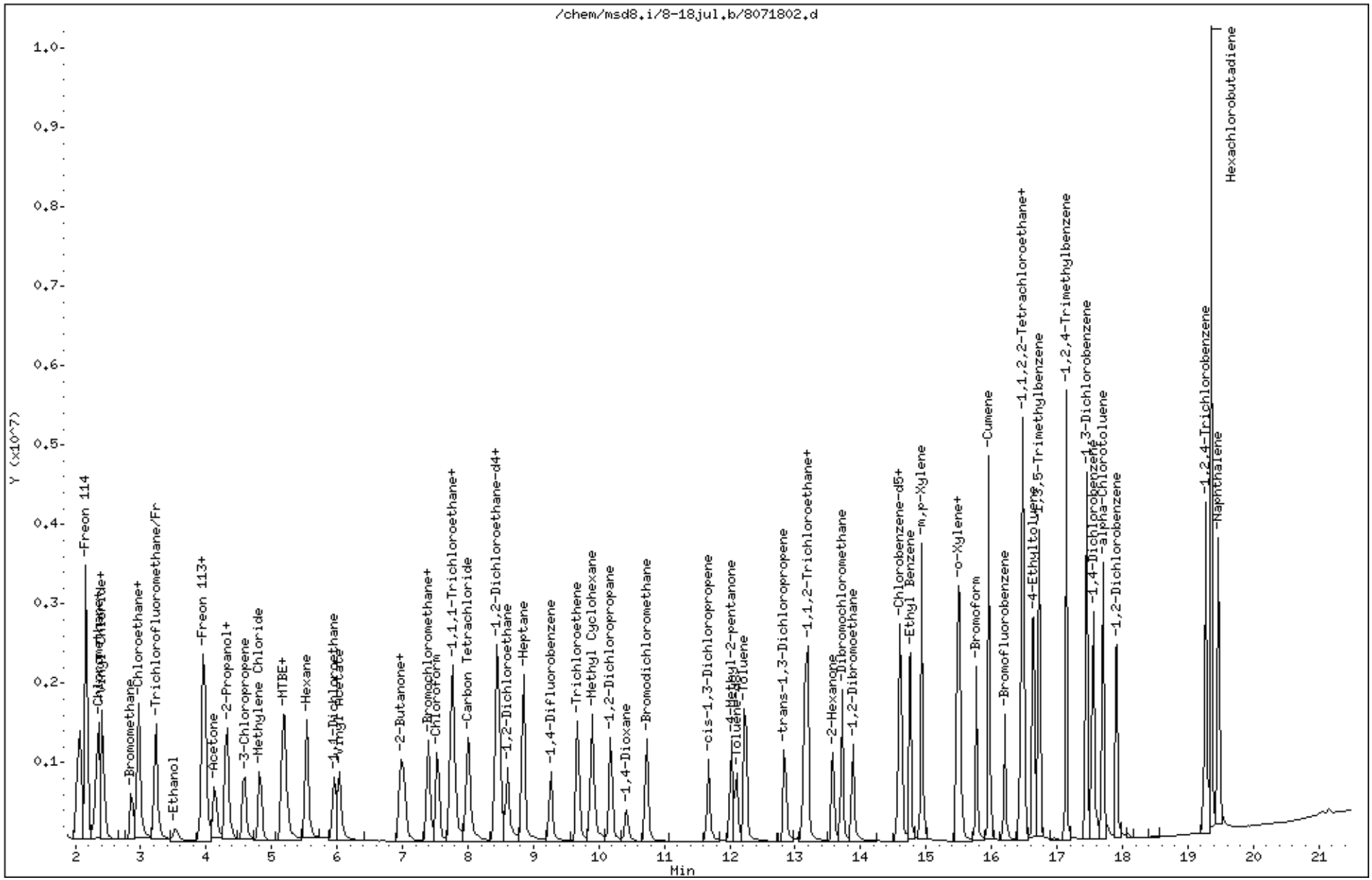
Data File: /chem/msd8.i/8-18jul.b/8071802.d
Date : 18-JUL-2007 09:34
Client ID: CCV-1
Sample Info: 50ml #1443-137

Instrument: msd8.i

Operator: lmr

Column phase: RTx-624

Column diameter: 0.53



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707238-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 10:01 AM**	

Compound	%Recovery
Freon 12	113
Freon 114	99
Vinyl Chloride	95
Bromomethane	104
Chloroethane	92
Freon 11	106
1,1-Dichloroethene	110
Freon 113	111
Methylene Chloride	111
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	92
Chloroform	93
1,1,1-Trichloroethane	101
Carbon Tetrachloride	112
Benzene	89
1,2-Dichloroethane	112
Trichloroethene	96
1,2-Dichloropropane	90
cis-1,3-Dichloropropene	89
Toluene	95
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	97
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	97
Chlorobenzene	97
Ethyl Benzene	90
m,p-Xylene	97
o-Xylene	86
Styrene	103
1,1,2,2-Tetrachloroethane	84
1,3,5-Trimethylbenzene	90
1,2,4-Trimethylbenzene	97
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	97
1,2-Dichlorobenzene	86
1,3-Butadiene	91
Hexane	92
Cyclohexane	81

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707238-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8071803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/07 10:01 AM**	

Compound	%Recovery
Heptane	89
Bromodichloromethane	102
Dibromochloromethane	112
Cumene	105
Propylbenzene	110
Chloromethane	107
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	146 Q
Acetone	98
Carbon Disulfide	94
2-Propanol	100
trans-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	86
Tetrahydrofuran	92
1,4-Dioxane	92
4-Methyl-2-pentanone	92
2-Hexanone	89
Bromoform	121
4-Ethyltoluene	99
Ethanol	106
Methyl tert-butyl ether	138
3-Chloropropene	101
2,2,4-Trimethylpentane	81
Naphthalene	89

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	110	70-130

Report Date: 18-Jul-2007 10:12

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-18jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT04+ENSR.sub
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: 100ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	51.318	102.64	70-130
108 trans-1,3-Dichloro	50.000	52.188	104.38	70-130
3 Propylene	50.000	53.728	107.46	60-140
4 Dichlorodifluorome	50.000	56.449	112.90	70-130
6 Freon 114	50.000	49.605	99.21	70-130
8 Chloromethane	50.000	53.318	106.64	70-130
11 Vinyl Chloride	50.000	47.698	95.40	70-130
10 1,3-Butadiene	50.000	45.741	91.48	60-140
13 Bromomethane	50.000	52.146	104.29	70-130
16 Chloroethane	50.000	45.931	91.86	70-130
18 Trichlorofluoromet	50.000	52.822	105.64	70-130
23 Ethanol	50.000	53.104	106.21	60-140
28 Freon 113	50.000	55.547	111.09	70-130
29 1,1-Dichloroethene	50.000	54.752	109.50	70-130
30 Acetone	50.000	49.202	98.40	60-140
33 Carbon Disulfide	50.000	47.132	94.26	60-140
34 2-Propanol	50.000	49.799	99.60	60-140
40 Methylene Chloride	50.000	55.670	111.34	70-130
43 MTBE	50.000	68.918	137.84	60-140
45 trans-1,2-Dichloro	50.000	46.186	92.37	60-140
46 Hexane	50.000	46.141	92.28	60-140
54 1,1-Dichloroethane	50.000	51.064	102.13	70-130
55 Vinyl Acetate	50.000	44.477	88.95	60-140
64 cis-1,2-Dichloroet	50.000	46.188	92.38	70-130
65 2-Butanone	50.000	43.259	86.52	60-140
67 Tetrahydrofuran	50.000	45.762	91.53	60-140
70 Chloroform	50.000	46.717	93.43	70-130
73 Cyclohexane	50.000	40.511	81.02	60-140
75 1,1,1-Trichloroeth	50.000	50.548	101.10	70-130
77 Carbon Tetrachlori	50.000	55.805	111.61	70-130
81 Benzene	50.000	44.684	89.37	70-130
83 1,2-Dichloroethane	50.000	56.294	112.59	70-130
85 Heptane	50.000	44.510	89.02	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	48.085	96.17	70-130
97 1,2-Dichloropropan	50.000	44.812	89.62	70-130
98 1,4-Dioxane	50.000	46.286	92.57	60-140
100 Bromodichlorometha	50.000	51.028	102.06	60-140
102 cis-1,3-Dichloropr	50.000	44.702	89.40	70-130
103 4-Methyl-2-pentano	50.000	45.937	91.87	60-140
105 Toluene	50.000	47.703	95.41	70-130
110 1,1,2-Trichloroeth	50.000	48.380	96.76	70-130
112 Tetrachloroethene	50.000	53.509	107.02	70-130
114 2-Hexanone	50.000	44.731	89.46	60-140
116 Dibromochlorometha	50.000	56.202	112.40	60-140
117 1,2-Dibromoethane	50.000	48.730	97.46	70-130
126 Chlorobenzene	50.000	48.391	96.78	70-130
129 Ethyl Benzene	50.000	44.946	89.89	70-130
130 m,p-Xylene	50.000	48.685	97.37	70-130
132 o-Xylene	50.000	43.134	86.27	70-130
135 Bromoform	50.000	60.300	120.60	60-140
144 1,1,2,2-Tetrachlor	50.000	42.230	84.46	70-130
147 4-Ethyltoluene	50.000	49.459	98.92	60-140
148 1,3,5-Trimethylben	50.000	45.078	90.16	70-130
153 1,2,4-Trimethylben	50.000	48.631	97.26	70-130
156 1,3-Dichlorobenzen	50.000	52.733	105.47	70-130
157 1,4-Dichlorobenzen	50.000	43.652	87.30	70-130
158 alpha-Chlorotoluen	50.000	48.333	96.67	70-130
161 1,2-Dichlorobenzen	50.000	42.870	85.74	70-130
167 1,2,4-Trichloroben	50.000	50.107	100.21	70-130
168 Hexachlorobutadien	50.000	73.146	146.29*	70-130
137 Cumene	50.000	52.339	104.68	60-140
145 Propylbenzene	50.000	54.997	109.99	60-140
37 3-Chloropropene	50.000	50.414	100.83	60-140
80 2,2,4-Trimethylpen	50.000	40.629	81.26	60-140
169 Naphthalene	50.000	44.701	89.40	60-140
9 Butane	50.000	49.496	98.99	70-130
15 Isopentane	50.000	51.698	103.40	70-130
95 Methyl Cyclohexane	50.000	38.998	78.00	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	28.512	114.05	70-130
$ 104 Toluene-d8	25.000	25.084	100.34	70-130
$ 140 Bromofluorobenzene	25.000	27.426	109.70	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-18jul.b/8071803.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 18-JUL-2007 10:01
Operator : lmr Inst ID: msd8.i
Smp Info : 100ml #1443-146A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /chem/msd8.i/8-18jul.b/t14q530c.m
Meth Date : 18-Jul-2007 10:07 lrandolp Quant Type: ISTD
Cal Date : 17-JUL-2007 10:39 Cal File: 8071704.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.387	7.387 (1.000)	130	263580	25.0000		80.00- 120.00	100.00
7.387	7.387 (1.000)	128	206273			48.05- 108.05	78.26
7.387	7.387 (1.000)	49	397733			118.02- 178.02	150.90
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.267	9.267 (1.000)	114	1122654	25.0000		80.00- 120.00	100.00
9.267	9.267 (1.000)	88	168450			0.00- 44.86	15.00
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.576	14.576 (1.000)	117	793627	25.0000		80.00- 120.00	100.00
14.576	14.576 (1.000)	82	437838			0.00- 30.00	55.17
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.465	8.465 (1.146)	65	393330	28.5125	28.512	80.00- 120.00	100.00
8.465	8.465 (1.146)	67	220323			0.00- 30.00	56.01
$ 104 Toluene-d8					CAS #: 2037-26-5		
12.115	12.115 (1.307)	98	974924	25.0843	25.084	80.00- 120.00	100.00
12.087	12.115 (1.304)	70	101071			0.00- 30.00	10.37

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
12.115	12.115 (1.307)	100	681790			0.00- 30.00	69.93
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.207	16.207 (1.112)	174	517873	27.4257	27.426	80.00- 120.00	100.00
16.207	16.207 (1.112)	95	621685			89.97- 149.97	120.05
16.207	16.207 (1.112)	176	499904			66.56- 126.56	96.53
3 Propylene					CAS #: 115-07-1		
1.995	2.023 (0.270)	41	766494	53.7281	53.728	80.00- 120.00	100.00
1.995	2.023 (0.270)	42	512517			0.00- 30.00	66.87
1.995	2.023 (0.270)	39	540545			0.00- 30.00	70.52
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.050	2.078 (0.278)	85	2038411	56.4490	56.449	80.00- 120.00	100.00
2.050	2.078 (0.278)	87	649738			0.00- 30.00	31.87
6 Freon 114					CAS #: 76-14-2		
2.161	2.161 (0.293)	135	1618288	49.6052	49.605	80.00- 120.00	100.00
2.161	2.161 (0.293)	137	520373			1.95- 61.95	32.16
8 Chloromethane					CAS #: 74-87-3		
2.272	2.299 (0.308)	50	886680	53.3176	53.318	80.00- 120.00	100.00
2.272	2.299 (0.308)	52	270815			0.00- 30.00	30.54
11 Vinyl Chloride					CAS #: 75-01-4		
2.410	2.437 (0.326)	62	921722	47.6983	47.698	80.00- 120.00	100.00
2.410	2.437 (0.326)	64	283003			0.00- 30.00	30.70
10 1,3-Butadiene					CAS #: 106-99-0		
2.410	2.410 (0.326)	54	756059	45.7407	45.741	80.00- 120.00	100.00
2.382	2.410 (0.322)	39	825357			0.00- 30.00	109.17
13 Bromomethane					CAS #: 74-83-9		
2.825	2.852 (0.382)	94	673208	52.1462	52.146	80.00- 120.00	100.00
2.825	2.852 (0.382)	96	646413			64.46- 124.46	96.02
16 Chloroethane					CAS #: 75-00-3		
2.935	2.935 (0.397)	64	469738	45.9311	45.931	80.00- 120.00	100.00
2.935	2.935 (0.397)	49	130377			0.00- 30.00	27.76
2.935	2.935 (0.397)	66	143380			0.00- 30.00	30.52
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.212	3.239 (0.435)	101	2168028	52.8216	52.822	80.00- 120.00	100.00
3.212	3.239 (0.435)	103	1406163			34.95- 94.95	64.86

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.516	3.543 (0.476)	45	348053	53.1042	53.104	80.00- 120.00	100.00
3.516	3.516 (0.476)	43	76756			0.00- 30.00	22.05
3.516	3.516 (0.476)	46	140560			0.00- 30.00	40.38
28 Freon 113					CAS #: 76-13-1		
3.931	3.958 (0.532)	151	1508454	55.5468	55.547	80.00- 120.00	100.00
3.931	3.958 (0.532)	153	964207			36.03- 96.03	63.92
3.931	3.958 (0.532)	101	1667663			84.52- 144.52	110.55
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.958	3.986 (0.536)	61	1476599	54.7515	54.752	80.00- 120.00	100.00
3.958	3.986 (0.536)	96	861802			28.59- 88.59	58.36
3.958	3.986 (0.536)	98	541958			7.92- 67.92	36.70
30 Acetone					CAS #: 67-64-1		
4.124	4.124 (0.558)	58	444423	49.2024	49.202	80.00- 120.00	100.00
4.124	4.124 (0.558)	43	1451367			0.00- 30.00	326.57
34 2-Propanol					CAS #: 67-63-0		
4.290	4.318 (0.581)	45	1626350	49.7987	49.799	80.00- 120.00	100.00
4.290	4.318 (0.581)	43	348634			0.00- 30.00	21.44
4.318	4.318 (0.585)	59	60210			0.00- 30.00	3.70
33 Carbon Disulfide					CAS #: 75-15-0		
4.290	4.290 (0.581)	76	2382239	47.1321	47.132	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.567	4.594 (0.618)	76	406512	50.4143	50.414	80.00- 120.00	100.00
4.567	4.594 (0.618)	41	1287376			0.00- 30.00	316.69
40 Methylene Chloride					CAS #: 75-09-2		
4.815	4.815 (0.652)	49	1124027	55.6695	55.670	80.00- 120.00	100.00
4.815	4.815 (0.652)	84	743719			37.51- 97.51	66.17
4.815	4.815 (0.652)	51	331856			0.00- 30.00	29.52
43 MTBE					CAS #: 1634-04-4		
5.147	5.175 (0.697)	73	1979015	68.9176	68.918	80.00- 120.00	100.00
5.147	5.175 (0.697)	57	464818			0.00- 52.79	23.49
5.147	5.175 (0.697)	41	509093			0.00- 30.00	25.72
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.175	5.202 (0.701)	96	881400	46.1858	46.186	80.00- 120.00	100.00
5.175	5.202 (0.701)	61	1340714			125.23- 185.23	152.11
5.175	5.202 (0.701)	98	569875			0.00- 30.00	64.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.534	5.534 (0.749)	57	1335519	46.1415	46.141	80.00- 120.00	100.00
5.534	5.534 (0.749)	43	876078			0.00- 30.00	65.60
5.534	5.534 (0.749)	86	205964			0.00- 30.00	15.42
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.949	5.949 (0.805)	63	1588575	51.0639	51.064	80.00- 120.00	100.00
5.949	5.949 (0.805)	65	511726			1.98- 61.98	32.21
55 Vinyl Acetate					CAS #: 108-05-4		
6.032	6.032 (0.817)	86	195330	44.4770	44.477	80.00- 120.00	100.00
6.032	6.032 (0.817)	43	2381246			0.00- 30.00	1219.09
6.032	6.032 (0.817)	42	174734			0.00- 30.00	89.46
65 2-Butanone					CAS #: 78-93-3		
7.000	7.027 (0.948)	72	377869	43.2591	43.259	80.00- 120.00	100.00
7.000	7.027 (0.948)	43	1773762			439.39- 499.39	469.41
7.000	7.027 (0.948)	57	127717			0.00- 30.00	33.80
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.972	6.972 (0.944)	61	1137235	46.1886	46.188	80.00- 120.00	100.00
6.972	6.972 (0.944)	96	814530			41.66- 101.66	71.62
6.972	6.972 (0.944)	98	529742			16.65- 76.65	46.58
67 Tetrahydrofuran					CAS #: 109-99-9		
7.387	7.387 (1.000)	42	1039011	45.7625	45.762	80.00- 120.00	100.00
7.387	7.387 (1.000)	71	339561			2.27- 62.27	32.68
7.387	7.387 (1.000)	72	359974			0.00- 30.00	34.65
70 Chloroform					CAS #: 67-66-3		
7.525	7.525 (1.019)	83	1564143	46.7173	46.717	80.00- 120.00	100.00
7.525	7.525 (1.019)	85	970997			32.73- 92.73	62.08
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.774	7.774 (1.052)	97	1647826	50.5484	50.548	80.00- 120.00	100.00
7.774	7.774 (1.052)	99	1064851			35.61- 95.61	64.62
73 Cyclohexane					CAS #: 110-82-7		
7.746	7.746 (1.049)	84	1045782	40.5114	40.511	80.00- 120.00	100.00
7.746	7.746 (1.049)	56	1408598			104.25- 164.25	134.69
7.746	7.746 (1.049)	41	739423			37.80- 97.80	70.71
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.995	7.995 (1.082)	119	1655393	55.8051	55.805	80.00- 120.00	100.00
7.995	7.995 (1.082)	117	1707806			73.18- 133.18	103.17

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.465	8.465 (1.146)	57	3131001	40.6290	40.629	80.00- 120.00	100.00
8.465	8.465 (1.146)	56	990715			0.00- 30.00	31.64
8.438	8.465 (1.142)	41	848730			0.00- 30.00	27.11
81 Benzene					CAS #: 71-43-2		
8.410	8.437 (0.908)	78	2362981	44.6839	44.684	80.00- 120.00	100.00
8.410	8.437 (0.908)	77	537129			0.00- 30.00	22.73
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.603	8.603 (0.928)	62	1158351	56.2942	56.294	80.00- 120.00	100.00
8.603	8.603 (0.928)	64	363141			0.00- 30.00	31.35
85 Heptane					CAS #: 142-82-5		
8.852	8.852 (0.955)	100	244287	44.5105	44.510	80.00- 120.00	100.00
8.852	8.852 (0.955)	43	1453975			0.00- 30.00	595.19
8.852	8.852 (0.955)	71	754441			0.00- 30.00	308.83
94 Trichloroethene					CAS #: 79-01-6		
9.654	9.682 (1.042)	95	966438	48.0851	48.085	80.00- 120.00	100.00
9.654	9.682 (1.042)	130	1036174			73.52- 133.52	107.22
9.654	9.682 (1.042)	97	608408			33.11- 93.11	62.95
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.179	10.179 (1.098)	63	787632	44.8124	44.812	80.00- 120.00	100.00
10.179	10.179 (1.098)	62	576144			40.39- 100.39	73.15
10.179	10.179 (1.098)	41	562177			42.10- 102.10	71.38
98 1,4-Dioxane					CAS #: 123-91-1		
10.401	10.428 (1.122)	88	496203	46.2864	46.286	80.00- 120.00	100.00
10.401	10.428 (1.122)	58	377707			45.29- 105.29	76.12
10.401	10.428 (1.122)	57	122590			0.00- 30.00	24.71
100 Bromodichloromethane					CAS #: 75-27-4		
10.732	10.732 (1.158)	83	1497936	51.0277	51.028	80.00- 120.00	100.00
10.732	10.732 (1.158)	85	933399			30.96- 90.96	62.31
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.672	11.672 (1.260)	75	1091865	44.7020	44.702	80.00- 120.00	100.00
11.672	11.672 (1.260)	77	346190			1.48- 61.48	31.71
11.672	11.672 (1.260)	39	637975			29.93- 89.93	58.43
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.032	12.032 (1.298)	58	607003	45.9368	45.937	80.00- 120.00	100.00
12.032	12.032 (1.298)	43	1670694			0.00- 30.00	275.24
12.032	12.032 (1.298)	85	259386			0.00- 30.00	42.73

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.225	12.225 (1.319)	91	2458832	47.7032	47.703	80.00- 120.00	100.00
12.225	12.225 (1.319)	92	1395550			29.28- 89.28	56.76
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.834	12.834 (0.880)	75	1200757	52.1886	52.188	80.00- 120.00	100.00
12.834	12.834 (0.880)	77	376232			0.17- 60.17	31.33
12.834	12.834 (0.880)	39	620759			22.06- 82.06	51.70
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.138	13.138 (0.901)	97	816354	48.3796	48.380	80.00- 120.00	100.00
13.138	13.138 (0.901)	99	496255			31.09- 91.09	60.79
13.138	13.138 (0.901)	83	674742			54.79- 114.79	82.65
112 Tetrachloroethene					CAS #: 127-18-4		
13.193	13.193 (0.905)	166	1222045	53.5089	53.509	80.00- 120.00	100.00
13.166	13.193 (0.903)	129	901409			48.47- 108.47	73.76
13.166	13.193 (0.903)	131	849847			46.05- 106.05	69.54
114 2-Hexanone					CAS #: 591-78-6		
13.553	13.580 (0.930)	58	747889	44.7310	44.731	80.00- 120.00	100.00
13.553	13.580 (0.930)	43	1500198			175.30- 235.30	200.59
13.580	13.580 (0.932)	100	150857			0.00- 30.00	20.17
116 Dibromochloromethane					CAS #: 124-48-1		
13.719	13.718 (0.941)	129	1486256	56.2018	56.202	80.00- 120.00	100.00
13.719	13.718 (0.941)	127	1143950			0.00- 30.00	76.97
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.884	13.884 (0.953)	107	1252920	48.7302	48.730	80.00- 120.00	100.00
13.884	13.884 (0.953)	109	1198677			65.56- 125.56	95.67
126 Chlorobenzene					CAS #: 108-90-7		
14.603	14.603 (1.002)	112	1971953	48.3907	48.391	80.00- 120.00	100.00
14.603	14.603 (1.002)	114	635738			2.65- 62.65	32.24
14.603	14.603 (1.002)	77	1150352			28.57- 88.57	58.34
129 Ethyl Benzene					CAS #: 100-41-4		
14.742	14.769 (1.011)	106	969287	44.9461	44.946	80.00- 120.00	100.00
14.742	14.769 (1.011)	91	3088634			0.00- 30.00	318.65
130 m,p-Xylene					CAS #: 108-38-3		
14.935	14.935 (1.025)	106	1279409	48.6853	48.685	80.00- 120.00	100.00
14.935	14.935 (1.025)	91	2556515			0.00- 30.00	199.82
132 o-Xylene					CAS #: 95-47-6		
15.488	15.488 (1.063)	106	1143837	43.1341	43.134	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.488	15.488 (1.063)	91	2465567			182.86- 242.86	215.55
134 Styrene					CAS #: 100-42-5		
15.516	15.516 (1.064)	104	1921289	51.3178	51.318	80.00- 120.00	100.00
15.516	15.516 (1.064)	78	1014546			24.28- 84.28	52.81
135 Bromoform					CAS #: 75-25-2		
15.765	15.764 (1.082)	173	1402659	60.3004	60.300	80.00- 120.00	100.00
15.765	15.764 (1.082)	171	718188			21.36- 81.36	51.20
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.456	16.456 (1.129)	83	1637676	42.2295	42.230	80.00- 120.00	100.00
16.456	16.456 (1.129)	85	1009893			32.19- 92.19	61.67
147 4-Ethyltoluene					CAS #: 622-96-8		
16.622	16.649 (1.140)	105	3520046	49.4588	49.459	80.00- 120.00	100.00
16.649	16.649 (1.142)	120	1044352			0.00- 59.94	29.67
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.732	16.732 (1.148)	105	3083848	45.0786	45.078	80.00- 120.00	100.00
16.732	16.732 (1.148)	120	1516058			0.00- 30.00	49.16
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.147	17.147 (1.176)	105	3348775	48.6308	48.631	80.00- 120.00	100.00
17.147	17.147 (1.176)	120	1541770			16.22- 76.22	46.04
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.451	17.451 (1.197)	146	2367200	52.7335	52.733	80.00- 120.00	100.00
17.451	17.451 (1.197)	148	1503817			0.00- 30.00	63.53
17.451	17.451 (1.197)	111	915069			0.00- 30.00	38.66
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.562	17.562 (1.205)	146	1857074	43.6520	43.652	80.00- 120.00	100.00
17.562	17.562 (1.205)	148	1167509			0.00- 30.00	62.87
17.562	17.562 (1.205)	111	748748			0.00- 30.00	40.32
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.700	17.700 (1.214)	91	2988875	48.3332	48.333	80.00- 120.00	100.00
17.700	17.700 (1.214)	126	689789			0.00- 30.00	23.08
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.921	17.921 (1.230)	146	1853759	42.8695	42.870	80.00- 120.00	100.00
17.921	17.921 (1.230)	148	1171293			34.20- 94.20	63.18
17.894	17.893 (1.228)	111	786752			11.56- 71.56	42.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.276	19.276 (1.322)	180	2189853	50.1066	50.107	80.00- 120.00	100.00
19.276	19.276 (1.322)	182	2092436			66.70- 126.70	95.55
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.359	19.359 (1.328)	225	1834918	73.1463	73.146	80.00- 120.00	100.00(R)
19.359	19.359 (1.328)	223	1162071			33.18- 93.18	63.33
145 Propylbenzene					CAS #: 103-65-1		
16.483	16.483 (1.131)	91	4565521	54.9968	54.997	80.00- 120.00	100.00
16.483	16.483 (1.131)	120	1068517			0.00- 30.00	23.40
16.483	16.483 (1.131)	105	175255			0.00- 30.00	3.84
137 Cumene					CAS #: 98-82-8		
15.958	15.958 (1.095)	105	3916003	52.3393	52.339	80.00- 120.00	100.00
15.958	15.958 (1.095)	120	1019757			0.00- 30.00	26.04
15.958	15.958 (1.095)	51	399864			0.00- 30.00	10.21
169 Naphthalene					CAS #: 91-20-3		
19.470	19.470 (1.336)	128	4120091	44.7014	44.701	80.00- 120.00	100.00
19.470	19.470 (1.336)	127	505308			0.00- 30.00	12.26
9 Butane					CAS #: 106-97-8		
2.327	2.354 (0.315)	58	214968	49.4966	49.496	80.00- 120.00	100.00
2.327	2.354 (0.315)	43	1652271			0.00- 30.00	768.61
15 Isopentane					CAS #: 78-78-4		
2.963	2.963 (0.401)	43	1247428	51.6981	51.698	80.00- 120.00	100.00
2.963	2.963 (0.401)	57	795719			0.00- 30.00	63.79
2.963	2.963 (0.401)	72	81541			0.00- 30.00	6.54
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.903	9.903 (1.341)	83	1254189	38.9984	38.998	80.00- 120.00	100.00
9.903	9.903 (1.341)	98	614004			0.00- 30.00	48.96
9.903	9.903 (1.341)	55	1107929			0.00- 30.00	88.34

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8071803.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd8.i/8-18jul.b/t14q530c.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 18-JUL-2007
Calibration Time: 09:34
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	333126	199876	466376	263580	-20.88
88 1,4-Difluorobenze	1394778	836867	1952689	1122654	-19.51
125 Chlorobenzene-d5	1020784	612470	1429098	793627	-22.25

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.39	7.06	7.72	7.39	0.00
88 1,4-Difluorobenze	9.27	8.94	9.60	9.27	0.00
125 Chlorobenzene-d5	14.58	14.25	14.91	14.58	0.00

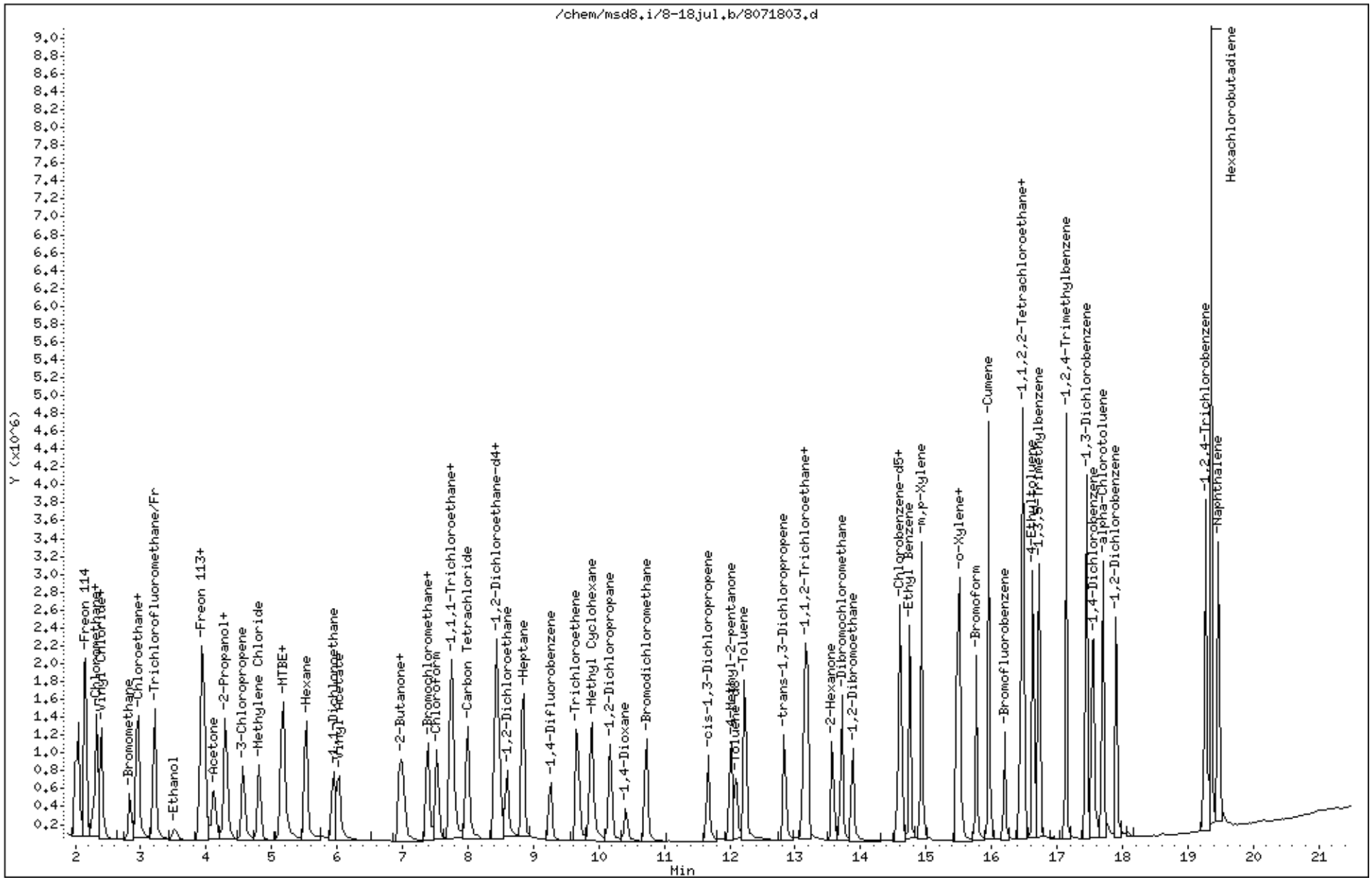
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0188

Data File: /chem/msd8.i/8-18jul.b/8071803.d
Date : 18-JUL-2007 10:01
Client ID: LCS-1
Sample Info: 100ml #1443-146A

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

Column phase: RTx-624



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MSD-8

Logbook #: 1478

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	21.05
75	30.0 – 60.0% of mass 95	51.01
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.57
173	Less than 2.0% of mass 174	(0.50)[1]
174	Greater than 50.0% of mass 95	76.04
175	5.0 – 9.0% of mass 174	(7.40)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.82)[1] ✓
177	5.0 – 9.0% of mass 176	(6.40)[2]

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

Verify 176/174 m/z Ratio: 868928/897536 X100 = 96.81

BFB Injection Date: 7/18/07
BFB Injection Time: 0847
BFB File ID: 8071801
Tekmar Purge Flow: 16.4 ml/min
Vacuum: 6.2X10^-6

IS/S Std.#: 1487-312	Exp. Date: 9/18/07
BCM 333126	
1,4-DFB 1394778	
CB-d5 1020784	

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

NOAH Cart #: 14/ 7 **File #:** F071810/8071806

Calculation Check:

$$\text{ppbv of compound} = \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1148613)}{(1394778)} \times \frac{(25)}{(0.86549)} = 23.787$$

Reported Result 23.787

File ID: 8071802	
Compound: Tol-d8	
Initials: LR	

Raised EM

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	8071801	BFB Tune Check	843-2991	50ng	2µl	1.00	LR	7/18/07	0847	LR	
2	✓	02	CCV-1 (200ppbv)	1443-137	500ppbv	50ml	↓	↓	↓	0934	LR	~~[illegible]~~ 7-19-07
3	✓	03	LCS-1 (100ppbv)	1443-146A	↓	100ml				1001	LR	
4	✓	04	CCV-SP (200ppbv).	1487-341	↓	50ml				1039	LR	spikeCCVb cert cert #10 leg 2
5	X	05	Lab Blank	13673	humid	200ml				1133	LR	Cart cert #7 leg 8
6	✓	06	Lab Blank	↓	↓	↓	↓			1337	[illegible]	
7	X	07	0707251-01A	11833	[illegible]	100ml	11.0			None	[illegible]	ee@200ml
8	X	08	-01AA	↓ [illegible]	[illegible]	↓	↓			1654	[illegible]	↓
9	X	↓ 09	↓ -02A	9491	[illegible]	200	2.53	↓	↓	1737	[illegible]	E/F [illegible] 7/18/07

Signature [signature] 7/18/07 Date

10	X	8071810	0707251-05A	12038	15.5" Hg > 5psi	8.0ml	104	CR	7/18/07	1816	SS	
11	✓	8071811	System Blank	13673	Manual	200ml	1.00	SS	↓	1932	SS	
12	✓	↓ 12	0707251-01A	11833	19.0" Hg-15psi	200ml	5.51	SS		2032	SS	
13	X	13	↓ 02A	9491	6.0" Hg-15psi	30ml	16.9	↓		2107	SS	m/p-xylene > 200
14	X	14	02AA	↓	↓	15ml ~~30ml~~	37.7			2232	CT	
15	✓	15	03A	12038	15.5" Hg-15psi	10ml	83.6			2304	B/ CT	
16	✓	16	04A	21020	9.5" Hg-15psi	10ml	59.2		↓	2333	B/ CT	
17	✓	17	05A	31765	19.0" Hg-15psi	100ml	11.0	↓	7/19/07	0226	/ CT	
18	✓	18	06A	1740	16.0	125mL	8.08	B		0306	/ CT	
19	X	19	07A	34128	6.0	8.0mL	63.2			0345	/ CT	RR @ 10mL
20	X	20	08A	SC52	6.0 ↓	35mL	14.5	↓		0412	↓ / CT	RR @ 75mL
21	✓	21	07A	34128	6.0	20mL	25.3	B		0502	CT	
22	✓	22	08A	SC52	6.0	75mL	6.75	B		0540	CT	
23	X	23	09A	1488	6.5	1.6mL	322			0637	CT	RR @ 10ml
24	X	24	10A	2062	18.5	3.0mL	351			0705	CT	RR @ 25ml
25	✓	25	↓ 11A	33639	6.0 ↓	200mL	2.53			0739	CT	
26	✓	↓ 26	0707238-01A	33902	8.5" Hg-15psi	↓	1.87	↓	↓	0821	CR	
27												
28												
29												
30												
31												
32												

CR 7/19/07

Comments:

Signature

7/19/07
Date

0190

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-30may.b/8053001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 30-MAY-2007 13:20
Operator : db Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-30may.b/bfb30.m
Meth Date : 30-May-2007 13:12 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.693	3.748	-0.055	95	2045811			100.00- 100.00	100.00
3.693	3.748	-0.055	50	359998			15.00- 40.00	17.60
3.693	3.748	-0.055	75	919533			30.00- 60.00	44.95
3.693	3.748	-0.055	96	129781			5.00- 9.00	6.34
3.693	3.748	-0.055	173	0			0.00- 2.00	0.00
3.693	3.748	-0.055	174	1680993			50.00- 100.00	82.17
3.693	3.748	-0.055	175	121284			5.00- 9.00	7.22
3.693	3.748	-0.055	176	1646565			95.00- 101.00	97.95
3.693	3.748	-0.055	177	100750			5.00- 9.00	6.12

Data File: /var/chem/msd8.i/8-30may.b/8053001.d

Date : 30-MAY-2007 13:20

Client ID: BFB

Instrument: msd8.i

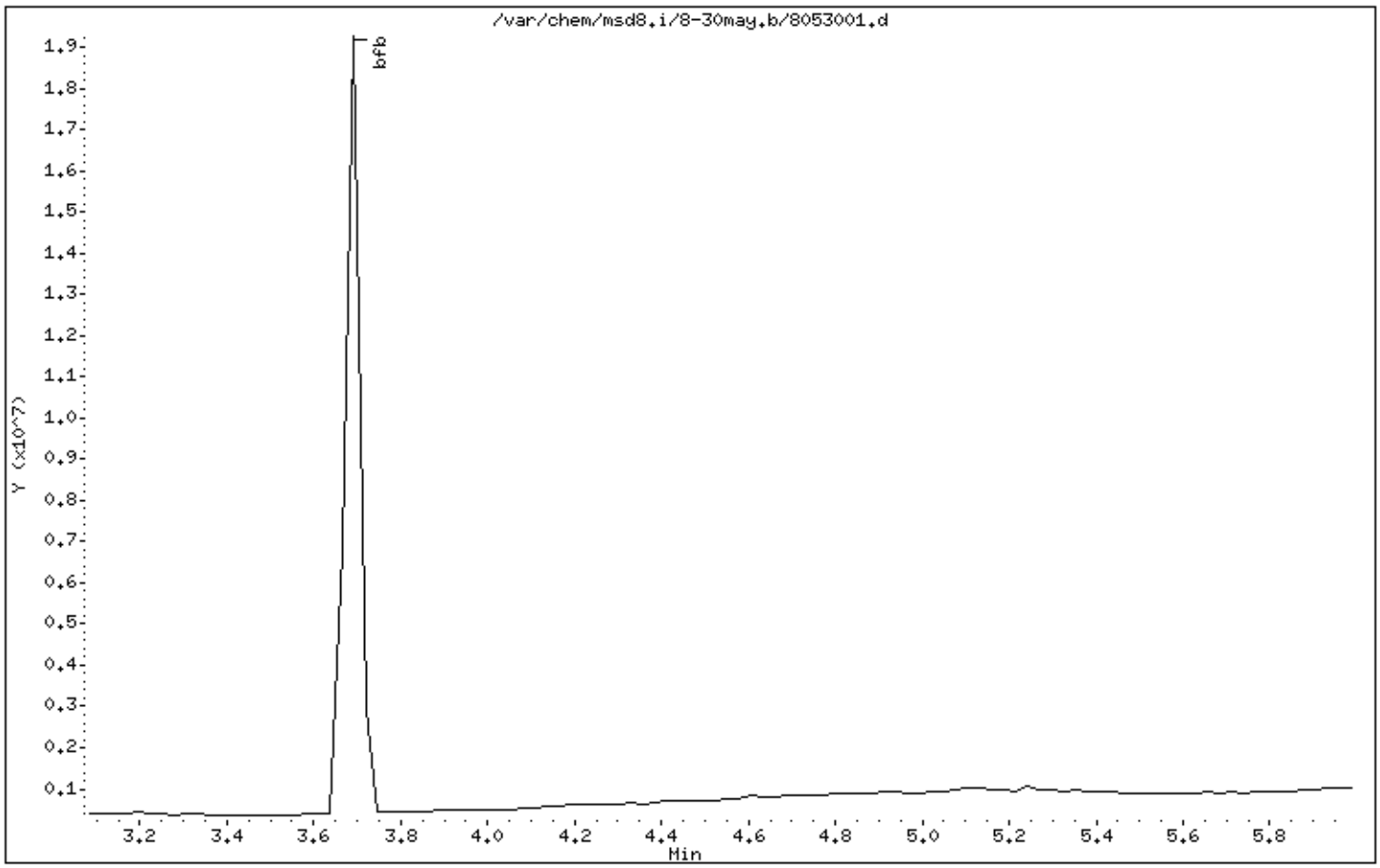
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: db

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-30may.b/8053001.d

Date : 30-MAY-2007 13:20

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

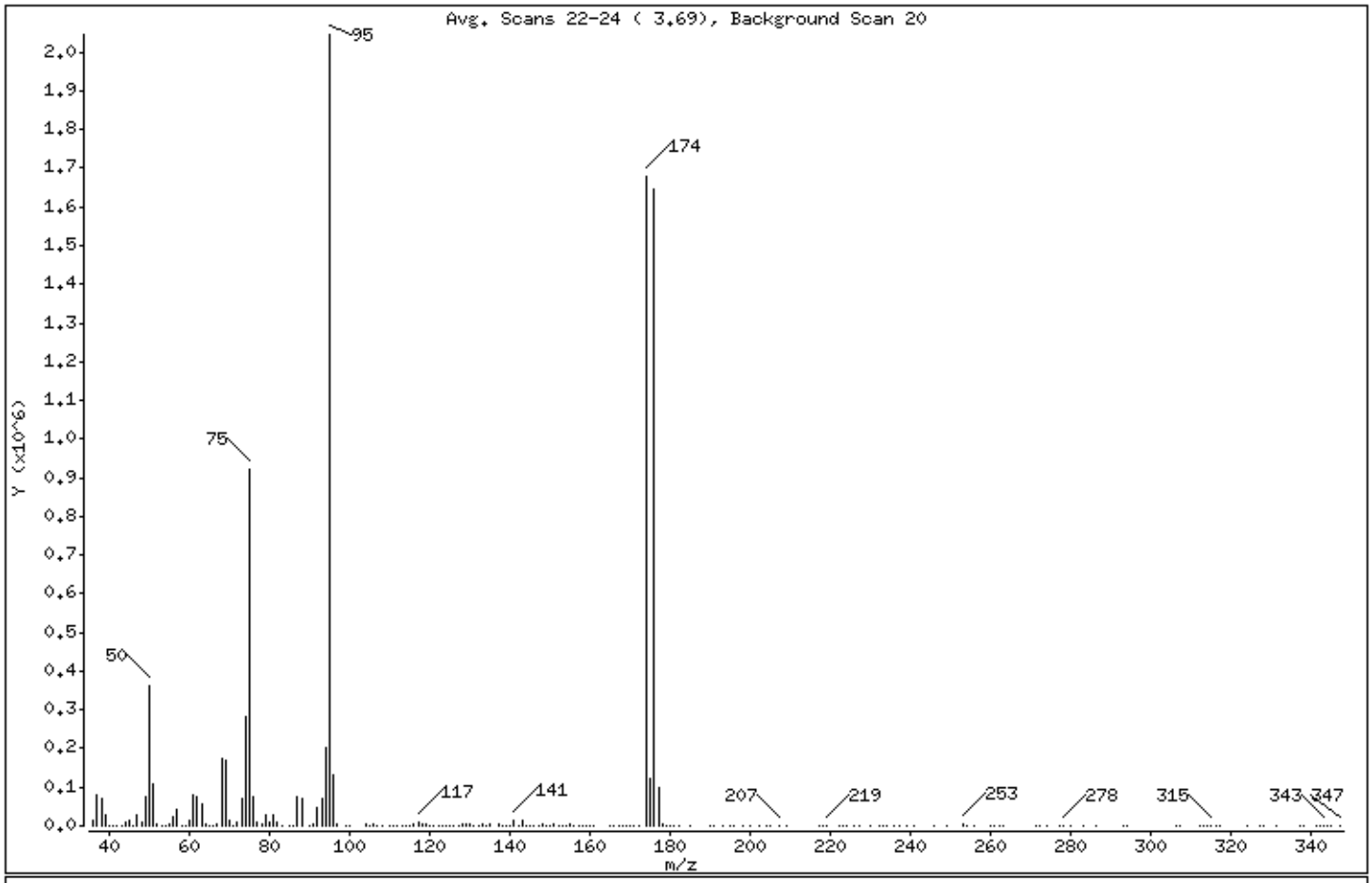
Volume Injected (uL): 2.0

Operator: db

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.60
75	30.00 - 60.00% of mass 95	44.95
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	82.17
175	5.00 - 9.00% of mass 174	5.93 (7.22)
176	95.00 - 101.00% of mass 174	80.48 (97.95)
177	5.00 - 9.00% of mass 176	4.92 (6.12)

Date : 30-MAY-2007 13:20

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: db

Column phase: Column diameter: 0.53

Data File: 8053001.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	14576	88.00	69600	146.00	2289	224.00	96
37.00	81912	90.00	71	147.00	735	226.00	106
38.00	72104	91.00	5332	148.00	3537	227.00	79
39.00	27744	92.00	45488	149.00	517	230.00	71
40.00	666	93.00	72336	150.00	1526	232.00	7
41.00	282	94.00	200896	151.00	3455	233.00	69
42.00	266	95.00	2045440	152.00	1099	234.00	53
43.00	1037	96.00	129776	153.00	1348	236.00	162
44.00	8880	97.00	3615	154.00	793	237.00	106
45.00	14430	99.00	151	155.00	3949	239.00	128
46.00	773	100.00	254	156.00	1096	241.00	12
47.00	25872	104.00	5055	157.00	2094	246.00	153
48.00	9871	105.00	596	158.00	402	249.00	187
49.00	74368	106.00	4503	159.00	2163	253.00	2495
50.00	359936	107.00	988	160.00	268	254.00	409
51.00	108176	108.00	555	161.00	1464	256.00	228
52.00	4377	110.00	383	165.00	310	260.00	2065
53.00	38	111.00	999	166.00	280	261.00	288
54.00	179	112.00	318	167.00	31	262.00	141
55.00	3691	113.00	871	168.00	406	263.00	49
56.00	23056	114.00	168	169.00	116	271.00	132
57.00	42176	115.00	1417	170.00	525	272.00	213
58.00	1681	116.00	4417	171.00	529	274.00	165
59.00	870	117.00	7444	172.00	147	277.00	227
60.00	14254	118.00	4536	174.00	1680896	278.00	250
61.00	78008	119.00	5766	175.00	121280	280.00	96
62.00	77280	120.00	141	176.00	1646080	283.00	9
63.00	54928	121.00	37	177.00	100744	286.00	82
64.00	4760	122.00	334	178.00	2548	293.00	62
65.00	299	123.00	262	179.00	303	294.00	193
66.00	139	124.00	1026	180.00	158	306.00	23
67.00	4680	125.00	80	181.00	28	307.00	84
68.00	174208	126.00	853	182.00	414	312.00	77
69.00	170368	127.00	1542	185.00	250	313.00	20
70.00	12581	128.00	6593	190.00	92	314.00	35

Date : 30-MAY-2007 13:20

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: db

Column phase: Column diameter: 0.53

Data File: 8053001.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 203

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	479	129.00	2422	191.00	1655	315.00	123
72.00	8178	130.00	5089	193.00	1111	316.00	69
73.00	70936	131.00	2310	195.00	988	317.00	75
74.00	282304	132.00	264	196.00	87	324.00	162
75.00	919488	133.00	5559	198.00	244	327.00	112
76.00	77456	134.00	717	200.00	181	328.00	238
77.00	9607	135.00	3857	202.00	196	331.00	341
78.00	6315	137.00	2383	204.00	252	337.00	8
79.00	28224	138.00	384	205.00	48	338.00	80
80.00	10980	139.00	23	207.00	1232	341.00	15
81.00	30280	140.00	1176	209.00	15	342.00	184
82.00	8002	141.00	14199	217.00	163	343.00	1020
83.00	870	142.00	1290	218.00	108	344.00	224
85.00	271	143.00	13753	219.00	292	345.00	257
86.00	2288	144.00	540	222.00	218	347.00	112
87.00	76888	145.00	517	223.00	143		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-31may.b/8053101.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 31-MAY-2007 10:48
Operator : JG Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-31may.b/bfb30.m
Meth Date : 31-May-2007 10:40 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.665	3.748	-0.083	95	2098550			100.00- 100.00	100.00
3.665	3.748	-0.083	50	381786			15.00- 40.00	18.19
3.665	3.748	-0.083	75	968533			30.00- 60.00	46.15
3.665	3.748	-0.083	96	132439			5.00- 9.00	6.31
3.665	3.748	-0.083	173	0			0.00- 2.00	0.00
3.665	3.748	-0.083	174	1305650			50.00- 100.00	62.22
3.665	3.748	-0.083	175	94421			5.00- 9.00	7.23
3.665	3.748	-0.083	176	1269961			95.00- 101.00	97.27
3.665	3.748	-0.083	177	79443			5.00- 9.00	6.26

Data File: /var/chem/msd8.i/8-31may.b/8053101.d

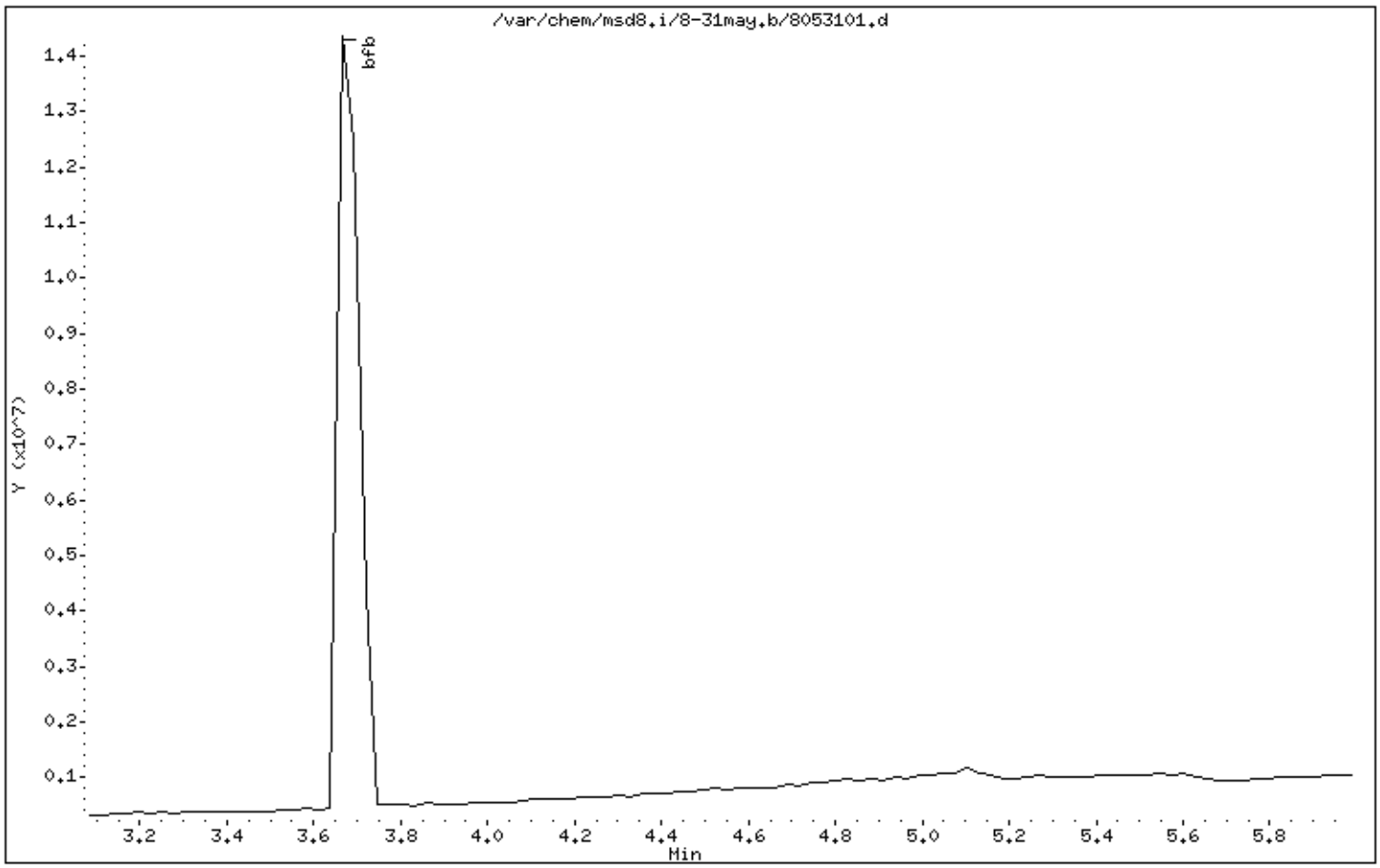
Date : 31-MAY-2007 10:48

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: JG

Column phase: Column diameter: 0.53



Data File: /var/chem/msd8.i/8-31may.b/8053101.d

Date : 31-MAY-2007 10:48

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

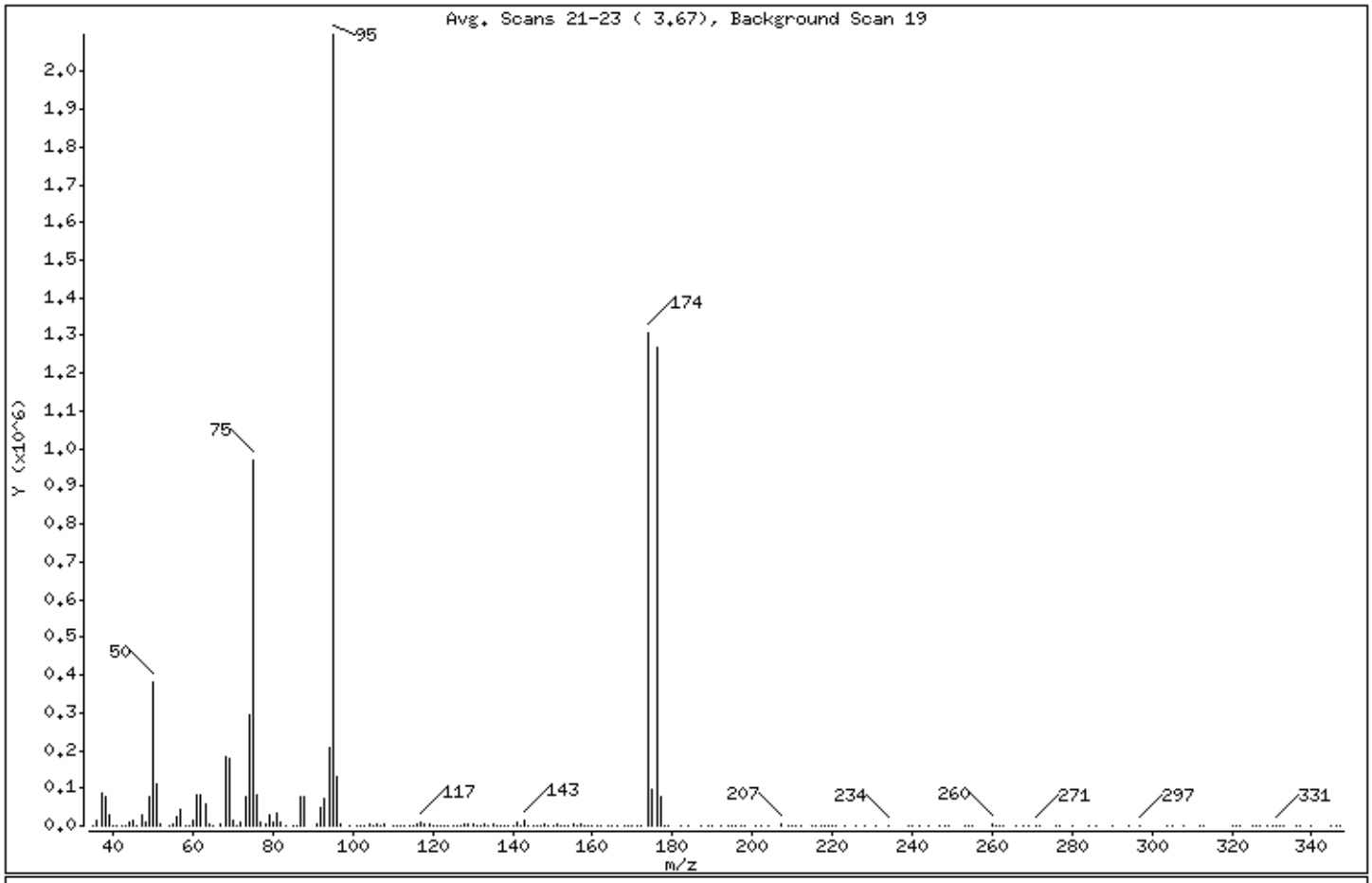
Volume Injected (uL): 2.0

Operator: JG

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.19
75	30.00 - 60.00% of mass 95	46.15
96	5.00 - 9.00% of mass 95	6.31
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	62.22
175	5.00 - 9.00% of mass 174	4.50 (7.23)
176	95.00 - 101.00% of mass 174	60.52 (97.27)
177	5.00 - 9.00% of mass 176	3.79 (6.26)

Date : 31-MAY-2007 10:48

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: JG

Column phase: Column diameter: 0.53

Data File: 8053101.d
Spectrum: Avg. Scans 21-23 (3.67), Background Scan 19
Location of Maximum: 95.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	137	94.00	205184	151.00	3262	228.00	71
36.00	14156	95.00	2098176	152.00	1052	231.00	253
37.00	84784	96.00	132416	153.00	1057	234.00	294
38.00	75080	97.00	3341	154.00	736	239.00	62
39.00	28376	99.00	48	155.00	3200	240.00	97
40.00	1047	101.00	315	156.00	909	242.00	73
41.00	106	102.00	203	157.00	2816	244.00	149
42.00	55	103.00	657	158.00	559	247.00	572
43.00	211	104.00	5350	159.00	1429	248.00	254
44.00	7388	105.00	2049	160.00	60	249.00	409
45.00	14858	106.00	5376	161.00	1271	253.00	1015
46.00	633	107.00	1173	162.00	125	254.00	514
47.00	26592	108.00	2447	164.00	421	255.00	420
48.00	10731	110.00	632	165.00	504	260.00	2797
49.00	76568	111.00	502	166.00	207	261.00	644
50.00	381760	112.00	639	168.00	29	262.00	211
51.00	113200	113.00	462	169.00	293	263.00	573
52.00	4745	114.00	191	170.00	825	266.00	105
54.00	329	115.00	1370	171.00	202	268.00	539
55.00	4012	116.00	4406	172.00	1168	269.00	2080
56.00	23784	117.00	7635	174.00	1305600	271.00	417
57.00	44856	118.00	4301	175.00	94416	272.00	226
58.00	1605	119.00	5713	176.00	1269760	276.00	73
59.00	94	120.00	206	177.00	79440	277.00	70
60.00	15955	121.00	85	178.00	2019	280.00	67
61.00	80456	122.00	442	179.00	232	284.00	33
62.00	80808	123.00	276	182.00	265	286.00	285
63.00	59272	124.00	626	184.00	73	290.00	69
64.00	4612	125.00	654	187.00	309	294.00	279
65.00	347	126.00	665	189.00	56	297.00	97
67.00	4333	127.00	383	190.00	468	304.00	67
68.00	183360	128.00	6237	192.00	470	305.00	75
69.00	178944	129.00	2514	194.00	219	308.00	6
70.00	12538	130.00	5415	195.00	187	312.00	97
71.00	154	131.00	1580	196.00	51	313.00	93

Date : 31-MAY-2007 10:48

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: JG

Column phase: Column diameter: 0.53

Data File: 8053101.d
Spectrum: Avg. Scans 21-23 (3.67), Background Scan 19
Location of Maximum: 95.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	9221	132.00	642	197.00	155	320.00	79
73.00	77056	133.00	4651	198.00	68	321.00	66
74.00	293888	134.00	94	201.00	293	322.00	31
75.00	968512	135.00	3077	202.00	2	325.00	87
76.00	80984	136.00	556	204.00	196	326.00	336
77.00	10372	137.00	1762	207.00	4437	327.00	374
78.00	6903	138.00	535	209.00	907	329.00	379
79.00	30680	139.00	313	210.00	269	330.00	28
80.00	11058	140.00	959	211.00	98	331.00	523
81.00	32776	141.00	12035	212.00	77	332.00	108
82.00	7583	142.00	1761	215.00	383	333.00	61
83.00	817	143.00	13357	216.00	126	336.00	57
85.00	193	144.00	630	217.00	405	337.00	293
86.00	1722	145.00	1013	218.00	98	340.00	72
87.00	76424	146.00	1173	219.00	148	345.00	27
88.00	75128	147.00	1632	220.00	54	346.00	86
91.00	5521	148.00	3013	221.00	230	347.00	328
92.00	47968	149.00	1108	223.00	29		
93.00	70904	150.00	1355	226.00	7		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-07jun.b/8060701.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 07-JUN-2007 09:44
Operator : JG Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-07jun.b/bfb30.m
Meth Date : 07-Jun-2007 09:36 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.693	3.748	-0.055	95	1547009			100.00- 100.00	100.00
3.693	3.748	-0.055	50	260935			15.00- 40.00	16.87
3.693	3.748	-0.055	75	686126			30.00- 60.00	44.35
3.693	3.748	-0.055	96	100570			5.00- 9.00	6.50
3.693	3.748	-0.055	173	0			0.00- 2.00	0.00
3.693	3.748	-0.055	174	1270075			50.00- 100.00	82.10
3.693	3.748	-0.055	175	91158			5.00- 9.00	7.18
3.693	3.748	-0.055	176	1238372			95.00- 101.00	97.50
3.693	3.748	-0.055	177	79712			5.00- 9.00	6.44

Data File: /var/chem/msd8.i/8-07jun.b/8060701.d

Date : 07-JUN-2007 09:44

Client ID: BFB

Instrument: msd8.i

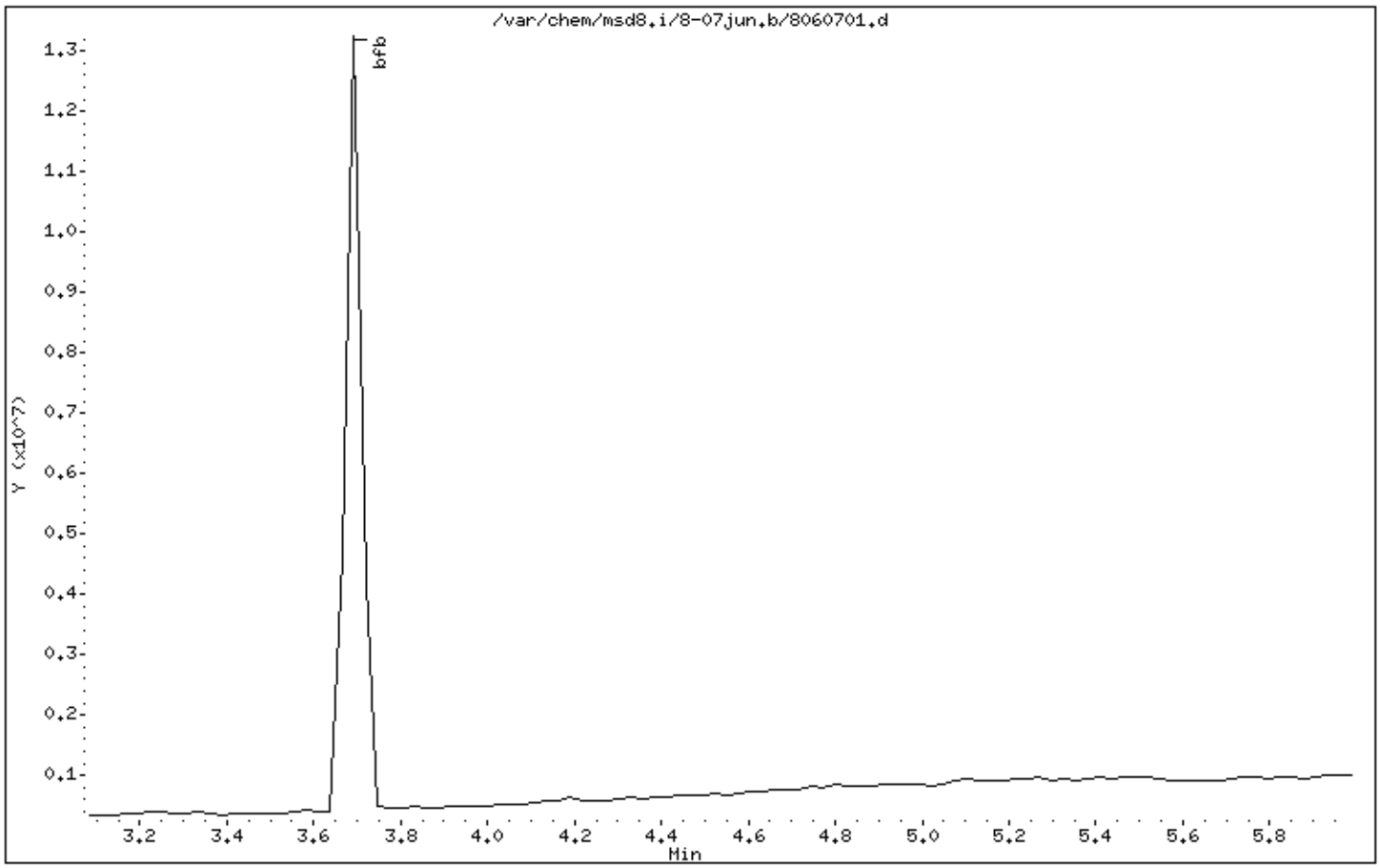
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: JG

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-07jun.b/8060701.d

Date : 07-JUN-2007 09:44

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

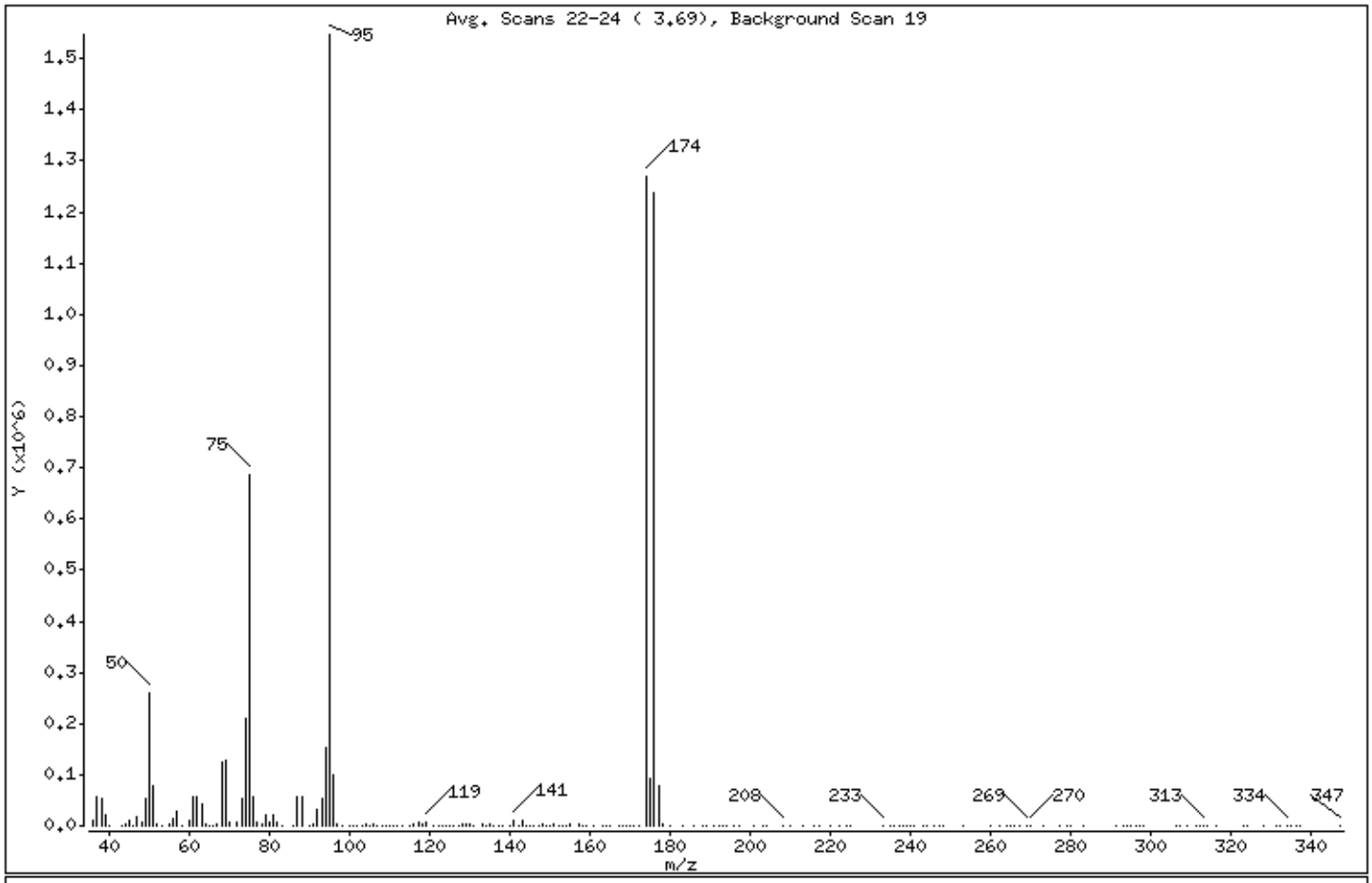
Volume Injected (uL): 2.0

Operator: JG

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.87
75	30.00 - 60.00% of mass 95	44.35
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	82.10
175	5.00 - 9.00% of mass 174	5.89 (7.18)
176	95.00 - 101.00% of mass 174	80.05 (97.50)
177	5.00 - 9.00% of mass 176	5.15 (6.44)

Date : 07-JUN-2007 09:44

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: JG

Column phase: Column diameter: 0.53

Data File: 8060701.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 19
Location of Maximum: 95.00
Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9970	95.00	1546752	151.00	1962	239.00	118
37.00	57896	96.00	100568	152.00	814	240.00	95
38.00	52136	97.00	2753	153.00	984	241.00	353
39.00	19648	98.00	161	154.00	1010	243.00	71
40.00	588	100.00	167	155.00	3800	244.00	176
43.00	197	101.00	285	157.00	2246	246.00	120
44.00	4251	102.00	16	158.00	327	247.00	6
45.00	9185	103.00	22	159.00	1499	248.00	11
46.00	342	104.00	4146	161.00	1320	253.00	36
47.00	19488	105.00	117	163.00	412	260.00	741
48.00	7926	106.00	4264	164.00	210	262.00	130
49.00	52552	107.00	1026	165.00	348	264.00	100
50.00	260928	108.00	312	167.00	140	265.00	313
51.00	78664	109.00	104	168.00	485	266.00	130
52.00	3036	110.00	448	169.00	66	267.00	225
53.00	118	111.00	533	170.00	415	269.00	1562
55.00	2142	112.00	413	171.00	196	270.00	1087
56.00	15891	113.00	724	172.00	123	273.00	281
57.00	28648	115.00	1346	174.00	1269760	277.00	76
58.00	1367	116.00	3207	175.00	91152	279.00	262
60.00	10831	117.00	5498	176.00	1238016	280.00	71
61.00	56968	118.00	4049	177.00	79712	283.00	90
62.00	56216	119.00	5853	178.00	2338	291.00	69
63.00	41432	121.00	1635	180.00	88	293.00	255
64.00	3731	122.00	373	183.00	322	294.00	81
65.00	363	123.00	369	186.00	156	295.00	90
66.00	70	124.00	635	188.00	13	296.00	257
67.00	2845	125.00	463	189.00	96	297.00	347
68.00	125112	126.00	226	191.00	373	298.00	75
69.00	129024	127.00	748	192.00	133	306.00	333
70.00	8669	128.00	3748	193.00	163	307.00	133
72.00	6050	129.00	2217	194.00	325	309.00	140
73.00	53624	130.00	4252	196.00	3	311.00	123
74.00	208320	131.00	1446	197.00	94	312.00	69
75.00	686080	133.00	2990	201.00	184	313.00	385

Date : 07-JUN-2007 09:44

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: JG

Column phase: Column diameter: 0.53

Data File: 8060701.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 19
Location of Maximum: 95.00
Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	57288	134.00	774	203.00	75	314.00	315
77.00	7929	135.00	3276	204.00	97	316.00	128
78.00	5211	136.00	534	208.00	463	323.00	154
79.00	20992	137.00	1598	210.00	12	324.00	52
80.00	8519	138.00	533	213.00	69	328.00	104
81.00	22688	140.00	855	216.00	79	331.00	184
82.00	6628	141.00	10503	217.00	7	332.00	155
83.00	282	142.00	1289	220.00	40	334.00	738
86.00	1293	143.00	10201	222.00	82	335.00	292
87.00	57576	144.00	550	224.00	74	336.00	256
88.00	55552	145.00	522	225.00	34	337.00	184
90.00	170	146.00	1223	233.00	391	347.00	72
91.00	4158	147.00	355	235.00	251		
92.00	33184	148.00	2820	236.00	228		
93.00	54200	149.00	926	237.00	151		
94.00	153536	150.00	1082	238.00	199		

Air Toxics Ltd.

Data file : /chem/msd8.i/8-17jul.b/8071701.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 17-JUL-2007 09:03
Operator : lmr Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-17jul.b/bfb30.m
Meth Date : 17-Jul-2007 08:55 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.693	3.748	-0.055	95	1147793			100.00- 100.00	100.00
3.693	3.748	-0.055	50	228719			15.00- 40.00	19.93
3.693	3.748	-0.055	75	557569			30.00- 60.00	48.58
3.693	3.748	-0.055	96	74623			5.00- 9.00	6.50
3.693	3.748	-0.055	173	0			0.00- 2.00	0.00
3.693	3.748	-0.055	174	881920			50.00- 100.00	76.84
3.693	3.748	-0.055	175	68512			5.00- 9.00	7.77
3.693	3.748	-0.055	176	862588			95.00- 101.00	97.81
3.693	3.748	-0.055	177	56971			5.00- 9.00	6.60

Data File: /chem/msd8.i/8-17jul.b/8071701.d

Date : 17-JUL-2007 09:03

Client ID: BFB

Instrument: msd8.i

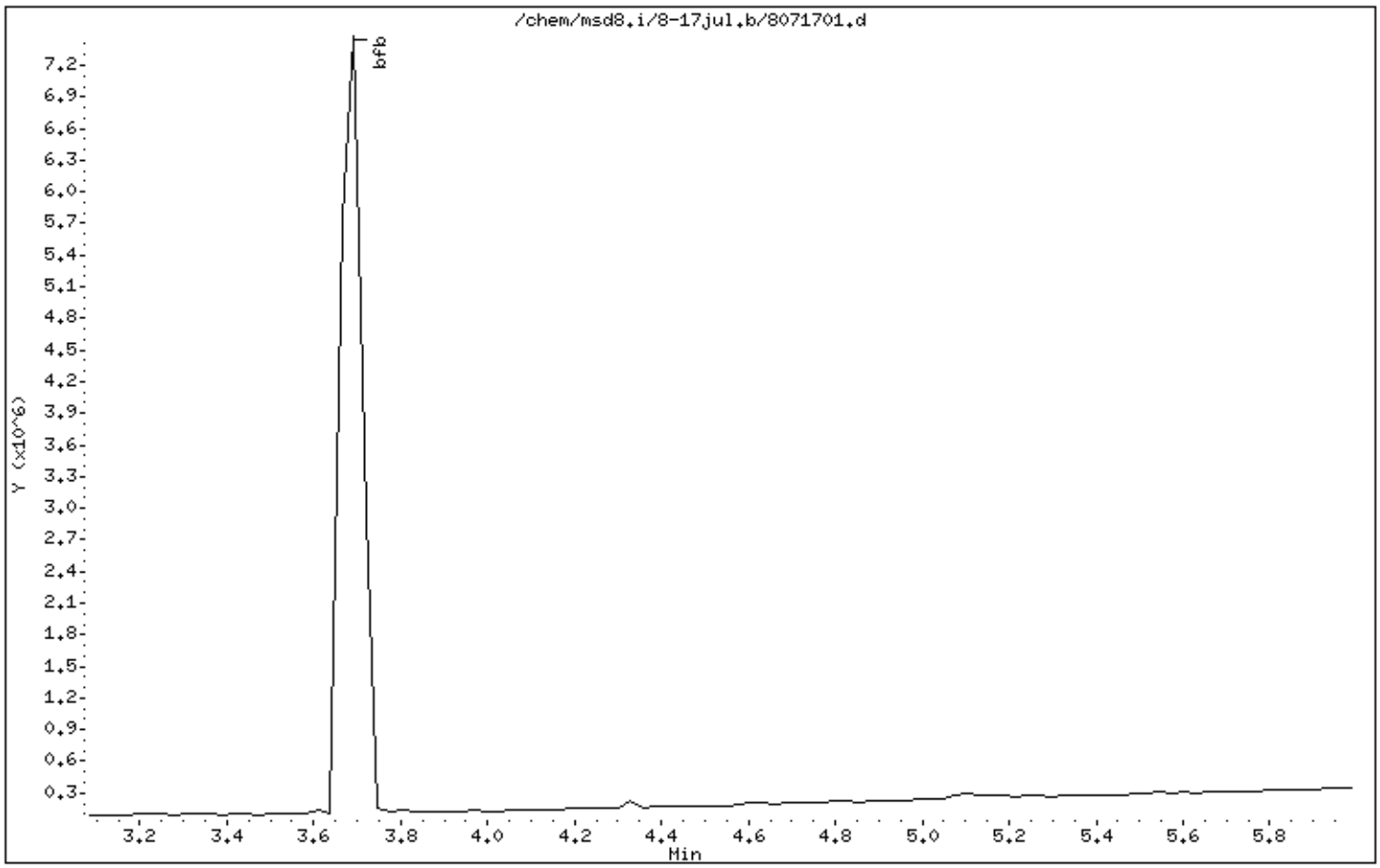
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Data File: /chem/msd8.i/8-17jul.b/8071701.d

Date : 17-JUL-2007 09:03

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

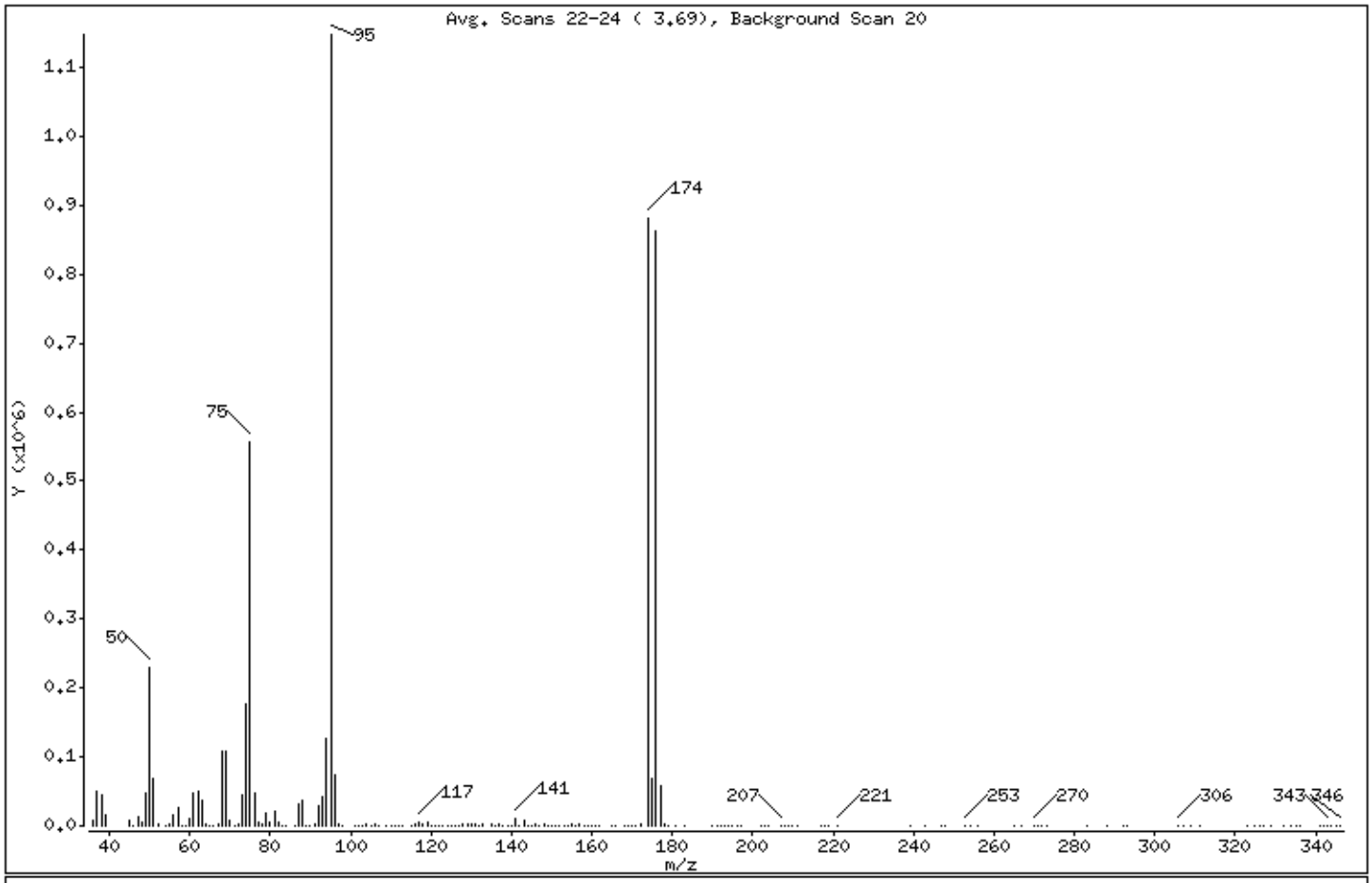
Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.93
75	30.00 - 60.00% of mass 95	48.58
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.84
175	5.00 - 9.00% of mass 174	5.97 (7.77)
176	95.00 - 101.00% of mass 174	75.15 (97.81)
177	5.00 - 9.00% of mass 176	4.96 (6.60)

Date : 17-JUL-2007 09:03

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8071701.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9056	90.00	132	142.00	1101	207.00	971
37.00	50312	91.00	2581	143.00	8810	208.00	504
38.00	45160	92.00	28624	144.00	761	209.00	16
39.00	16744	93.00	42616	145.00	403	210.00	216
45.00	6876	94.00	126712	146.00	1581	211.00	66
46.00	452	95.00	1147392	147.00	665	217.00	74
47.00	13729	96.00	74616	148.00	2247	218.00	14
48.00	6446	97.00	2226	149.00	571	219.00	12
49.00	47568	98.00	166	150.00	1169	221.00	226
50.00	228672	101.00	188	151.00	688	239.00	57
51.00	67272	102.00	84	152.00	761	243.00	66
52.00	2354	103.00	628	153.00	1000	247.00	37
54.00	128	104.00	3444	154.00	704	248.00	70
55.00	2196	105.00	1048	155.00	2670	253.00	546
56.00	14554	106.00	3497	156.00	373	254.00	294
57.00	27560	107.00	1054	157.00	2034	256.00	68
58.00	834	109.00	216	158.00	492	265.00	20
59.00	247	110.00	637	159.00	1144	267.00	140
60.00	9578	111.00	366	160.00	116	270.00	294
61.00	48216	112.00	509	161.00	1153	271.00	25
62.00	48848	113.00	618	162.00	157	272.00	143
63.00	36080	115.00	802	165.00	221	273.00	77
64.00	3563	116.00	2773	166.00	159	283.00	162
65.00	376	117.00	5484	168.00	102	288.00	67
66.00	39	118.00	2795	169.00	181	292.00	69
67.00	2957	119.00	4365	170.00	180	293.00	77
68.00	107640	120.00	32	171.00	243	306.00	293
69.00	108704	121.00	295	172.00	1678	307.00	102
70.00	7752	122.00	214	174.00	881920	309.00	66
71.00	565	123.00	319	175.00	68512	311.00	171
72.00	2465	124.00	596	176.00	862528	323.00	67
73.00	44160	125.00	231	177.00	56968	325.00	201
74.00	176384	126.00	283	178.00	1351	326.00	69
75.00	557568	127.00	595	179.00	306	327.00	457
76.00	46464	128.00	3213	181.00	101	329.00	71

Data File: /chem/msd8.i/8-17jul.b/8071701.d

Date : 17-JUL-2007 09:03

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

Data File: 8071701.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	5584	129.00	1768	183.00	69	332.00	72
78.00	3387	130.00	3592	190.00	69	334.00	302
79.00	19648	131.00	1335	191.00	575	335.00	58
80.00	6571	132.00	6	192.00	94	336.00	148
81.00	20352	133.00	1395	193.00	430	341.00	358
82.00	4623	135.00	1933	194.00	334	342.00	211
83.00	653	136.00	7	195.00	106	343.00	611
84.00	107	137.00	1514	196.00	95	344.00	182
86.00	1040	138.00	173	197.00	167	345.00	177
87.00	30880	139.00	539	202.00	74	346.00	162
88.00	36224	140.00	752	203.00	259		
89.00	176	141.00	9348	204.00	163		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-18jul.b/8071801.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 18-JUL-2007 08:47
Operator : lmr Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #843-2981
Comment :
Method : /var/chem/msd8.i/8-18jul.b/bfb30.m
Meth Date : 18-Jul-2007 08:39 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.693	3.748	-0.055	95	1180421			100.00- 100.00	100.00
3.693	3.748	-0.055	50	248438			15.00- 40.00	21.05
3.693	3.748	-0.055	75	602186			30.00- 60.00	51.01
3.693	3.748	-0.055	96	77536			5.00- 9.00	6.57
3.693	3.748	-0.055	173	4488			0.00- 2.00	0.50
3.693	3.748	-0.055	174	897536			50.00- 100.00	76.04
3.693	3.748	-0.055	175	66397			5.00- 9.00	7.40
3.693	3.748	-0.055	176	868985			95.00- 101.00	96.82
3.693	3.748	-0.055	177	55634			5.00- 9.00	6.40

Data File: /var/chem/msd8.i/8-18jul.b/8071801.d

Date : 18-JUL-2007 08:47

Client ID: BFB

Instrument: msd8.i

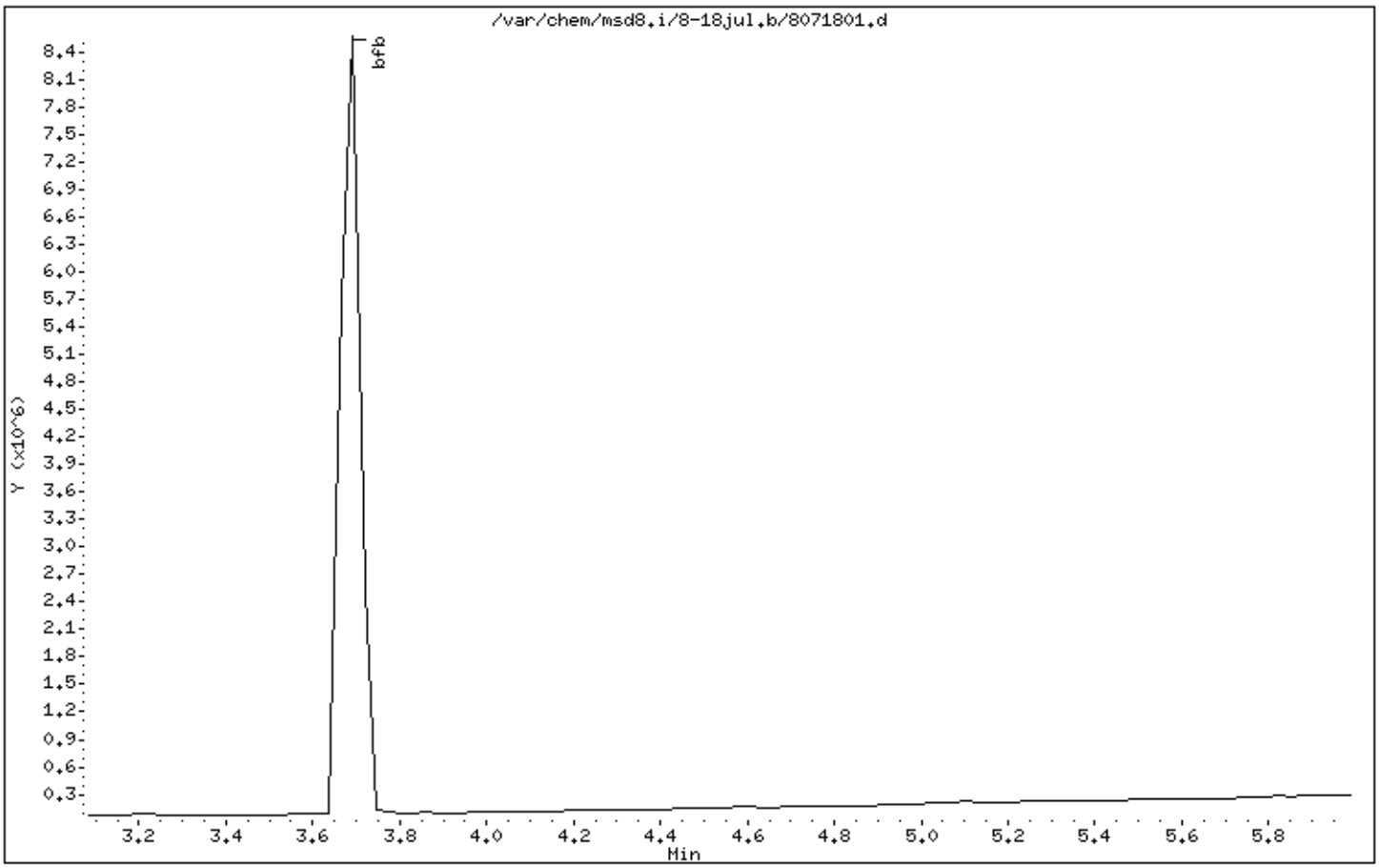
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-18jul.b/8071801.d

Date : 18-JUL-2007 08:47

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

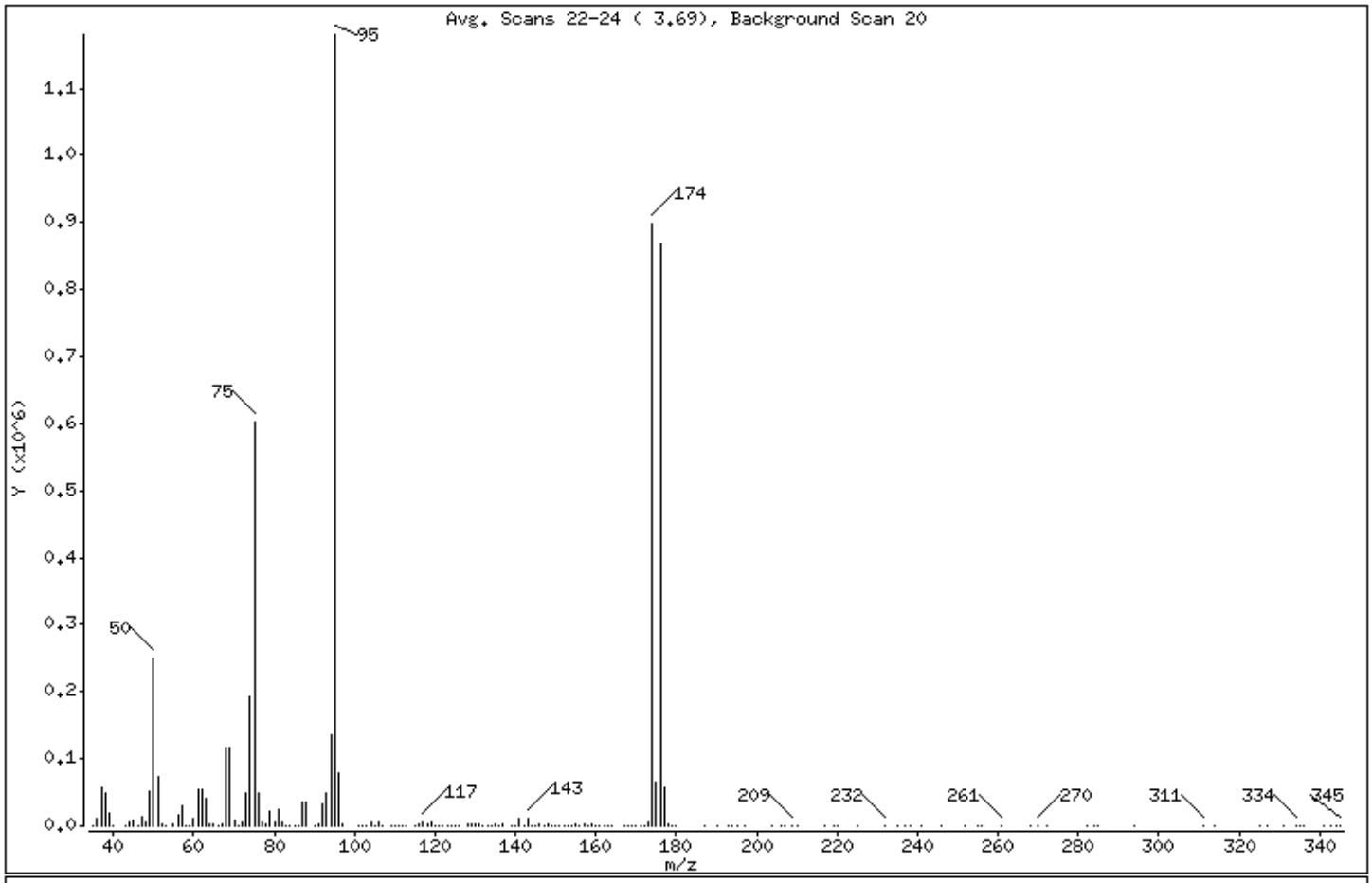
Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.05
75	30.00 - 60.00% of mass 95	51.01
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.38 (0.50)
174	50.00 - 100.00% of mass 95	76.04
175	5.00 - 9.00% of mass 174	5.62 (7.40)
176	95.00 - 101.00% of mass 174	73.62 (96.82)
177	5.00 - 9.00% of mass 176	4.71 (6.40)

Date : 18-JUL-2007 08:47

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8071801.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	74	83.00	773	135.00	1795	193.00	84
36.00	9814	84.00	74	136.00	185	194.00	223
37.00	56504	85.00	323	137.00	1372	195.00	53
38.00	49392	86.00	989	139.00	514	197.00	69
39.00	18944	87.00	34296	140.00	765	204.00	79
40.00	1084	88.00	35456	141.00	10863	206.00	152
43.00	35	90.00	156	142.00	1347	207.00	163
44.00	4487	91.00	3013	143.00	11023	209.00	296
45.00	9074	92.00	31752	144.00	737	210.00	75
46.00	263	93.00	48432	145.00	1068	217.00	67
47.00	13837	94.00	136448	146.00	1439	219.00	169
48.00	6673	95.00	1180160	147.00	844	220.00	79
49.00	50864	96.00	77536	148.00	2641	225.00	79
50.00	248384	97.00	2076	149.00	767	232.00	223
51.00	73128	101.00	177	150.00	1196	235.00	148
52.00	2805	102.00	77	151.00	686	237.00	101
53.00	251	103.00	370	152.00	740	238.00	78
55.00	2916	104.00	4384	153.00	856	241.00	67
56.00	17000	105.00	1221	154.00	768	246.00	72
57.00	29904	106.00	4110	155.00	2558	252.00	75
58.00	1355	107.00	961	156.00	616	255.00	23
59.00	338	109.00	446	157.00	1921	256.00	73
60.00	10081	110.00	719	158.00	484	261.00	227
61.00	54344	111.00	919	159.00	1379	268.00	82
62.00	54424	112.00	763	160.00	77	270.00	287
63.00	39768	113.00	822	161.00	1255	272.00	233
64.00	3573	115.00	789	162.00	212	282.00	35
65.00	1453	116.00	3234	163.00	223	284.00	75
66.00	12	117.00	5891	164.00	346	285.00	70
67.00	2587	118.00	3351	167.00	40	294.00	69
68.00	116896	119.00	4558	168.00	177	311.00	75
69.00	115440	120.00	443	169.00	347	314.00	70
70.00	8463	121.00	319	170.00	455	325.00	250
71.00	166	122.00	354	171.00	322	327.00	92
72.00	5330	123.00	304	172.00	928	331.00	121

Date : 18-JUL-2007 08:47

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 8071801.d
Spectrum: Avg. Scans 22-24 (3.69), Background Scan 20
Location of Maximum: 95.00
Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	48280	124.00	574	173.00	4488	334.00	420
74.00	192512	125.00	399	174.00	897536	335.00	67
75.00	602176	126.00	355	175.00	66392	336.00	73
76.00	49144	128.00	3926	176.00	868928	341.00	233
77.00	6076	129.00	1927	177.00	55632	343.00	238
78.00	3175	130.00	3912	178.00	1764	344.00	70
79.00	22440	131.00	1513	179.00	103	345.00	61
80.00	6706	132.00	228	180.00	84		
81.00	23912	133.00	925	187.00	74		
82.00	5854	134.00	699	190.00	145		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: GEI Consultants, Inc.
ATTENTION: Ms. Sarah Aldridge
FAX #: 860-368-5307
FROM: Sample Receiving
Workorder #: 0707238
# of pages (Including Cover): 1

7/31/2007

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 **Alicia Sullivan at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

Receipt VFR 7/14/07

Contact
Company GEI Consultants, Inc.
Address 455 Winding Brook Glastonbury CT 06033
Phone 860-368-5300 Cell:

Collected By: Signature: [signature]

Project Info:
P.O. #
Project # 061140 - 6 - 1703
Project Name BayShore OU1 ~~Southern cell~~ Barrier Wall Air Monitoring

Turn Around Time:
☒ Normal
☐ Rush ________
Specify

Lab I.D.	Field Sample I.D.	CAN #	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
	DW AMS3	~~34759~~ 33545	7/10/07 0703 1500	~~TO-15 + Naphthalene~~ Do NOT ANALYZE	-27.8	"0"	
	UW AMS5 7/11/07	5362	7/11/07 0710 1516	~~TO-15 + Naphthalene~~ Do Not Analyze	-27.8	"0"	
01A	DW AMS3 7/11/07	33902	7/11/07 0710 1510	TO-15 + Naphthalene	-27.5	-8	8.5"Hg

Relinquished By: (Signature) Date/Time [signature] 1602 07/11/07 — Received By: (Signature) Date/Time Monica Freeman ATL 7/13/07 1020
Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time

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

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8617 5870 1789	MG	NA	Good	Yes No (None)	0707238

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0707238

Client

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

Sales Rep: ANS

Phone

860-368-5300

Fax

860-368-5307

Date Promised: 07/27/07
Date Completed: 7/25/07
Date Received: 7/13/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Barrier Wall Air Monitoring
Total $: $ 486.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	DW AMS3 7/11/07	Modified TO-15	7/11/2007	8.5 "Hg	$225.00
02A	Lab Blank	Modified TO-15	NA	NA	$0.00
03A	CCV	Modified TO-15	NA	NA	$0.00
04A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (3) @ $50.00 each.	$150.00
	Blue Body Flow Controller (3) @ $35.00 each.	$105.00
	Fuel Surcharge (3) @ $2.00 each.	$6.00

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

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

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

Initial Vacuum ("Hg)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.5	1.36	1.71	2.05
1.0	1.39	1.74	2.09
1.5	1.41	1.77	2.13
2.0	1.44	1.80	2.16
2.5	1.46	1.83	2.20
3.0	1.49	1.87	2.24
3.5	1.52	1.90	2.29
4.0	1.55	1.94	2.33
4.5	1.58	1.98	2.38
5.0	1.61	2.02	2.42
5.5	1.64	2.06	2.47
6.0	1.68	2.10	2.53
6.5	1.71	2.15	2.58
7.0	1.75	2.19	2.64
7.5	1.79	2.24	2.69
8.0	1.83	2.29	2.76
8.5	1.87	2.34	2.82
9.0	1.91	2.40	2.89
9.5	1.96	2.46	2.96
10.0	2.01	2.52	3.03
10.5	2.06	2.59	3.11
11.0	2.12	2.65	3.19
11.5	2.17	2.72	3.28
12.0	2.23	2.80	3.37
12.5	2.30	2.88	3.46
13.0	2.36	2.97	3.57
13.5	2.44	3.06	3.67
14.0	2.51	3.15	3.79
14.5	2.59	3.25	3.91
15.0	2.68	3.36	4.04
15.5	2.77	3.48	4.18
16.0	2.87	3.60	4.33
16.5	2.98	3.73	4.49
17.0	3.09	3.88	4.66
17.5	3.22	4.03	4.85
18.0	3.35	4.20	5.05
18.5	3.50	4.38	5.27
19.0	3.65	4.58	5.51
19.5	3.83	4.80	5.77
20.0	4.02	5.04	6.06
20.5	4.23	5.31	6.38
21.0	4.47	5.60	6.73
21.5	4.73	5.93	7.13
22.0	5.03	6.30	7.58
22.5	5.36	6.72	8.08
23.0	5.74	7.20	8.66
23.5	6.19	7.76	9.32
24.0	6.70	8.40	10.10
24.5	7.31	9.17	11.02
25.0	8.04	10.08	12.12
25.5	8.93	11.20	13.47
26.0	10.05	12.60	15.15
26.5	11.49	14.40	17.32
27.0	13.40	16.80	20.20
27.5	16.08	20.16	24.24
28.0	20.10	25.20	30.31
28.5	26.80	33.61	40.41
29.0	40.20	50.41	60.61

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0707238

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.
NA	☑	☐	☐	☐	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 (N_2 or He) ☐ Tedlar Bag only
☒	☑				Final pressure consistent with canister size (6L vs. 1L)
☒	☐				Verify receipt pressures against logbook and Target
☒	☑				Verify canister ID #'s
	☑		☐		Extra printed copies are provided per client profile
	☐		☐		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☑	☐	☐	☐	Client LUMEN report reviewed for accuracy and completeness

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

A/R: (2) out in CCV

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
Taylor 7-19-07	R: 7/24/07		
	T:		

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

Not Applicable