
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 #: 0709284

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	10/4/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0709284

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 South cell Air Monitoring
DATE RECEIVED:	09/14/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	09/27/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	Downwind AMS1 #32125	Modified TO-15	0.0 "Hg
02A	Upwind AMS5 TO1601	Modified TO-15	2.0 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 09/27/07

Laboratory Director

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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0709284

Two 6 Liter Summa Canister samples were received on September 14, 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

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

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
Downwind AMS1 #32125	0709284-01A	9/12/2007	9/14/2007	NA	13	9/25/2007	NA	Good
Upwind AMS5 TO1601	0709284-02A	9/12/2007	9/14/2007	NA	13	9/25/2007	NA	Good
Lab Blank	0709284-03A	NA	NA	NA	NA	9/25/2007	NA	Good
CCV	0709284-04A	NA	NA	NA	NA	9/25/2007	NA	Good
LCS	0709284-05A	NA	NA	NA	NA	9/25/2007	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: Downwind AMS1 #32125

Lab ID#: 0709284-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	2.7	2.9	6.4	6.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Downwind AMS1 #32125

Lab ID#: 0709284-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092522**	**Date of Collection: 9/12/07**	
Dil. Factor:	**1.34**	**Date of Analysis: 9/25/07 10:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.67	Not Detected	3.3	Not Detected
Freon 114	0.67	Not Detected	4.7	Not Detected
Vinyl Chloride	0.67	Not Detected	1.7	Not Detected
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	Not Detected	1.8	Not Detected
Freon 11	0.67	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Freon 113	0.67	Not Detected	5.1	Not Detected
Methylene Chloride	0.67	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.67	Not Detected	2.7	Not Detected
cis-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Chloroform	0.67	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Carbon Tetrachloride	0.67	Not Detected	4.2	Not Detected
Benzene	0.67	Not Detected	2.1	Not Detected
1,2-Dichloroethane	0.67	Not Detected	2.7	Not Detected
Trichloroethene	0.67	Not Detected	3.6	Not Detected
1,2-Dichloropropane	0.67	Not Detected	3.1	Not Detected
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	Not Detected	2.5	Not Detected
trans-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Tetrachloroethene	0.67	Not Detected	4.5	Not Detected
1,2-Dibromoethane (EDB)	0.67	Not Detected	5.1	Not Detected
Chlorobenzene	0.67	Not Detected	3.1	Not Detected
Ethyl Benzene	0.67	Not Detected	2.9	Not Detected
m,p-Xylene	0.67	Not Detected	2.9	Not Detected
o-Xylene	0.67	Not Detected	2.9	Not Detected
Styrene	0.67	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.67	Not Detected	4.6	Not Detected
1,3,5-Trimethylbenzene	0.67	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.67	Not Detected	3.3	Not Detected
1,3-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.67	Not Detected	3.5	Not Detected
1,2-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
1,3-Butadiene	0.67	Not Detected	1.5	Not Detected
Hexane	0.67	Not Detected	2.4	Not Detected
Cyclohexane	0.67	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Downwind AMS1 #32125

Lab ID#: 0709284-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092522**	**Date of Collection: 9/12/07**	
Dil. Factor:	**1.34**	**Date of Analysis: 9/25/07 10:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.67	Not Detected	2.7	Not Detected
Bromodichloromethane	0.67	Not Detected	4.5	Not Detected
Dibromochloromethane	0.67	Not Detected	5.7	Not Detected
Cumene	0.67	Not Detected	3.3	Not Detected
Propylbenzene	0.67	Not Detected	3.3	Not Detected
Chloromethane	2.7	Not Detected	5.5	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected	20	Not Detected
Hexachlorobutadiene	2.7	Not Detected	28	Not Detected
Acetone	2.7	2.9	6.4	6.9
Carbon Disulfide	0.67	Not Detected	2.1	Not Detected
2-Propanol	2.7	Not Detected	6.6	Not Detected
trans-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.67	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.67	Not Detected	2.0	Not Detected
1,4-Dioxane	2.7	Not Detected U J	9.6	Not Detected U J
4-Methyl-2-pentanone	0.67	Not Detected	2.7	Not Detected
2-Hexanone	2.7	Not Detected	11	Not Detected
Bromoform	0.67	Not Detected	6.9	Not Detected
4-Ethyltoluene	0.67	Not Detected	3.3	Not Detected
Ethanol	2.7	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	0.67	Not Detected U J	2.4	Not Detected U J
3-Chloropropene	2.7	Not Detected	8.4	Not Detected
2,2,4-Trimethylpentane	0.67	Not Detected	3.1	Not Detected
Naphthalene	2.7	Not Detected	14	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-25sep.b/5092522.d
Lab Smp Id: 0709284-01A
Inj Date : 25-SEP-2007 22:17
Operator : srs Inst ID: msd5.i
Smp Info : 200ml #32125
Misc Info : 0.0"Hg -> 5psi GEI Consultants
Comment :
Method : /chem/msd5.i/5-25sep.b/t14q912a.m
Meth Date : 25-Sep-2007 08:47 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1
Dil Factor: 1.34000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	279523	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	225514			48.64- 108.64	80.68
8.059	8.059 (1.000)	49	629356			197.72- 257.72	225.15
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.939 (1.000)	114	1002389	25.0000		80.00- 120.00	100.00
9.912	9.912 (1.000)	88	169418			0.00- 46.88	16.90
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	810318	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	470298			0.00- 30.00	58.04
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	439633	26.6694	26.669	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	205490			0.00- 30.00	46.74
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	849002	23.6472	23.647	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	88266			0.00- 30.00	10.40

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	547737			0.00- 30.00	64.52
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	385248	23.7602	23.760	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	631553			128.17- 188.17	163.93
16.575	16.575 (1.105)	176	370673			66.57- 126.57	96.22
32 Acetone					CAS #: 67-64-1		
4.769	4.741 (0.592)	58	25196	2.17779	2.918	80.00- 120.00	100.00
4.769	4.741 (0.592)	43	94115			0.00- 30.00	373.52

Report Date: 27-Sep-2007 10:14

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092522.d
Lab Smp Id: 0709284-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 0.0"Hg -> 5psi GEI Consultants

Calibration Date: 25-SEP-2007
Calibration Time: 08:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376371	225823	526919	279523	-25.73
92 1,4-Difluorobenze	1399701	839821	1959581	1002389	-28.39
125 Chlorobenzene-d5	1072117	643270	1500964	810318	-24.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 27-Sep-2007 10:14

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-25sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0709284-01A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 0.0"Hg -> 5psi GEI Consultants

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	26.669	106.68	70-130
$ 107 Toluene-d8	25.000	23.647	94.59	70-130
$ 138 Bromofluorobenzene	25.000	23.760	95.04	70-130

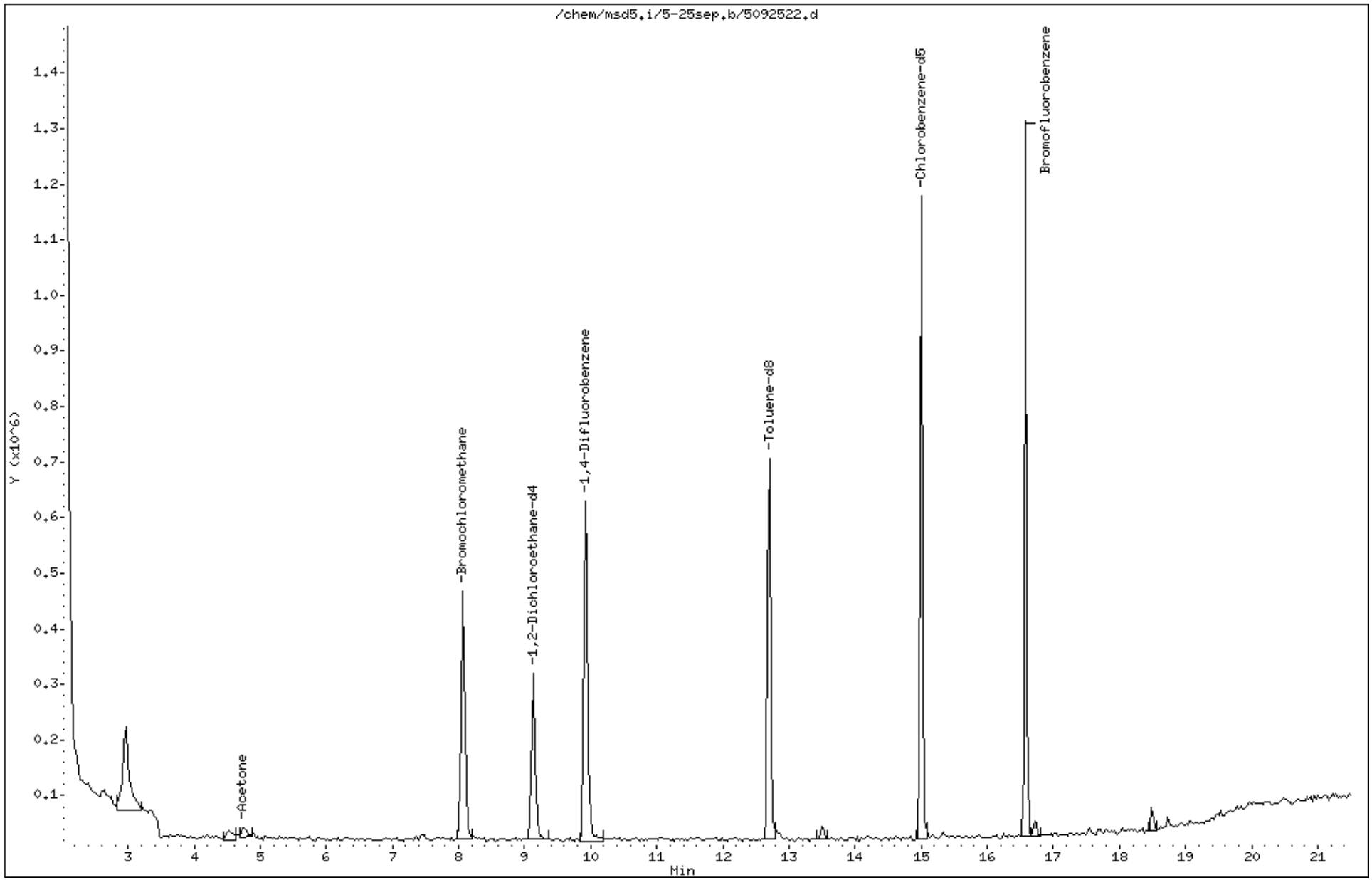
0013

Data File: /chem/msd5.i/5-25sep.b/5092522.d
Date : 25-SEP-2007 22:17
Client ID:
Sample Info: 200ml #32125

Instrument: msd5.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd5.i/5-25sep.b/5092522.d

Date : 25-SEP-2007 22:17

Client ID:

Instrument: msd5.i

Sample Info: 200ml #32125

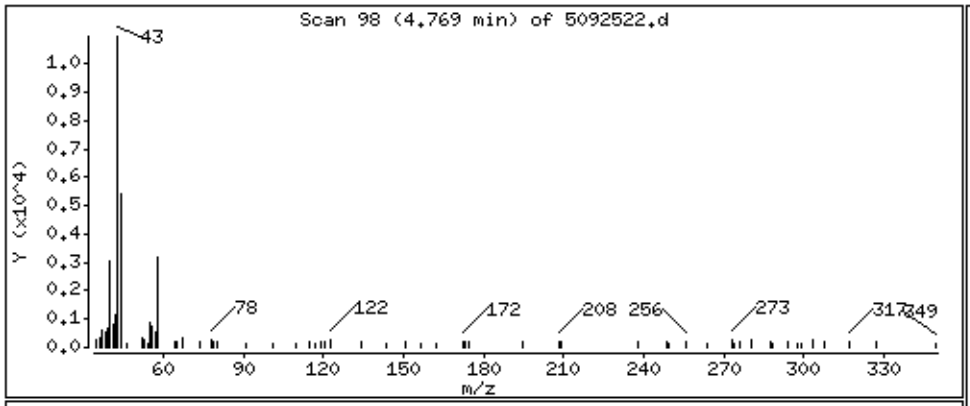
Operator: srs

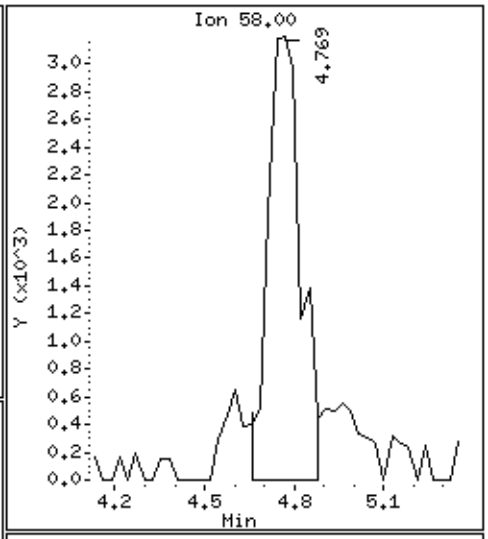
Column phase: RTx-624

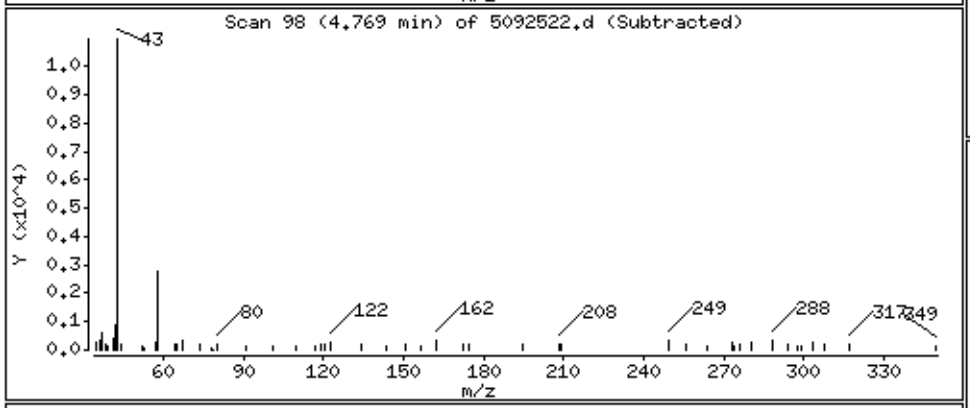
Column diameter: 0.53

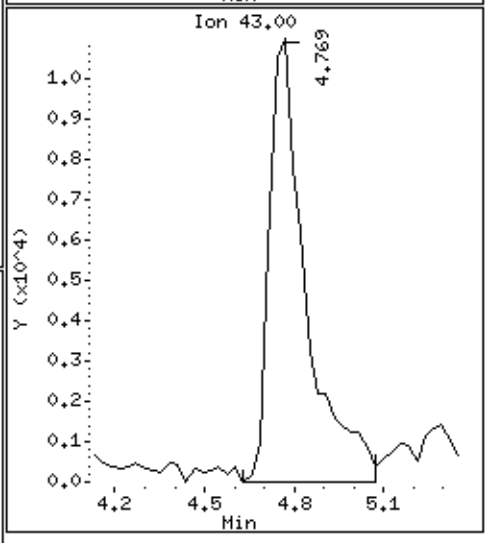
32 Acetone

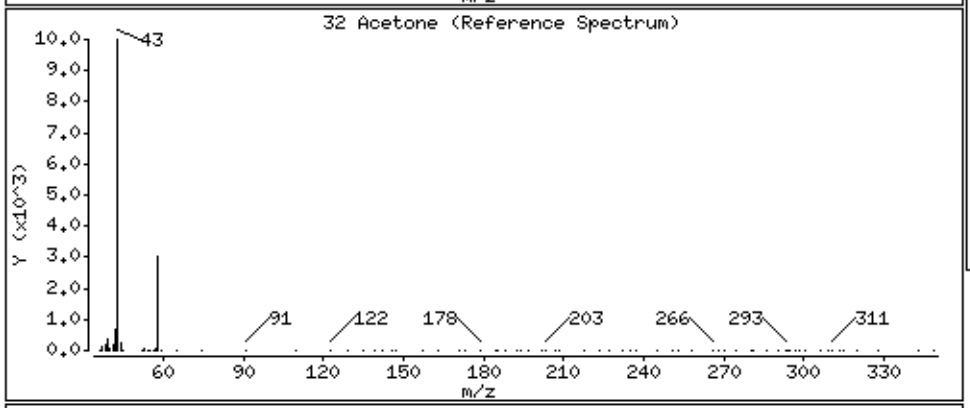
Concentration: 2.918 PPBV

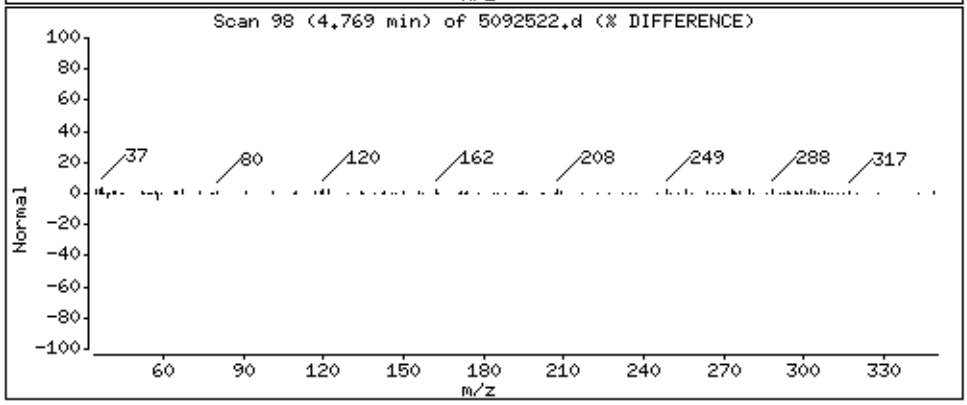












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: Upwind AMS5 TO1601

Lab ID#: 0709284-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	2.9	8.3	6.8	20
2-Butanone (Methyl Ethyl Ketone)	0.72	0.87	2.1	2.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Upwind AMS5 TO1601

Lab ID#: 0709284-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092523**	**Date of Collection:**	**9/12/07**
Dil. Factor:	**1.44**	**Date of Analysis:**	**9/25/07 10:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.72	Not Detected	3.6	Not Detected
Freon 114	0.72	Not Detected	5.0	Not Detected
Vinyl Chloride	0.72	Not Detected	1.8	Not Detected
Bromomethane	0.72	Not Detected	2.8	Not Detected
Chloroethane	0.72	Not Detected	1.9	Not Detected
Freon 11	0.72	Not Detected	4.0	Not Detected
1,1-Dichloroethene	0.72	Not Detected	2.8	Not Detected
Freon 113	0.72	Not Detected	5.5	Not Detected
Methylene Chloride	0.72	Not Detected	2.5	Not Detected
1,1-Dichloroethane	0.72	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected
Chloroform	0.72	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.72	Not Detected	3.9	Not Detected
Carbon Tetrachloride	0.72	Not Detected	4.5	Not Detected
Benzene	0.72	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.72	Not Detected	2.9	Not Detected
Trichloroethene	0.72	Not Detected	3.9	Not Detected
1,2-Dichloropropane	0.72	Not Detected	3.3	Not Detected
cis-1,3-Dichloropropene	0.72	Not Detected	3.3	Not Detected
Toluene	0.72	Not Detected	2.7	Not Detected
trans-1,3-Dichloropropene	0.72	Not Detected	3.3	Not Detected
1,1,2-Trichloroethane	0.72	Not Detected	3.9	Not Detected
Tetrachloroethene	0.72	Not Detected	4.9	Not Detected
1,2-Dibromoethane (EDB)	0.72	Not Detected	5.5	Not Detected
Chlorobenzene	0.72	Not Detected	3.3	Not Detected
Ethyl Benzene	0.72	Not Detected	3.1	Not Detected
m,p-Xylene	0.72	Not Detected	3.1	Not Detected
o-Xylene	0.72	Not Detected	3.1	Not Detected
Styrene	0.72	Not Detected	3.1	Not Detected
1,1,2,2-Tetrachloroethane	0.72	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	0.72	Not Detected	3.5	Not Detected
1,2,4-Trimethylbenzene	0.72	Not Detected	3.5	Not Detected
1,3-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
alpha-Chlorotoluene	0.72	Not Detected	3.7	Not Detected
1,2-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
1,3-Butadiene	0.72	Not Detected	1.6	Not Detected
Hexane	0.72	Not Detected	2.5	Not Detected
Cyclohexane	0.72	Not Detected	2.5	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Upwind AMS5 TO1601

Lab ID#: 0709284-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092523**	**Date of Collection: 9/12/07**	
Dil. Factor:	**1.44**	**Date of Analysis: 9/25/07 10:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.72	Not Detected	3.0	Not Detected
Bromodichloromethane	0.72	Not Detected	4.8	Not Detected
Dibromochloromethane	0.72	Not Detected	6.1	Not Detected
Cumene	0.72	Not Detected	3.5	Not Detected
Propylbenzene	0.72	Not Detected	3.5	Not Detected
Chloromethane	2.9	Not Detected	5.9	Not Detected
1,2,4-Trichlorobenzene	2.9	Not Detected	21	Not Detected
Hexachlorobutadiene	2.9	Not Detected	31	Not Detected
Acetone	2.9	8.3	6.8	20
Carbon Disulfide	0.72	Not Detected	2.2	Not Detected
2-Propanol	2.9	Not Detected	7.1	Not Detected
trans-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.72	0.87	2.1	2.6
Tetrahydrofuran	0.72	Not Detected	2.1	Not Detected
1,4-Dioxane	2.9	Not Detected U J	10	Not Detected U J
4-Methyl-2-pentanone	0.72	Not Detected	2.9	Not Detected
2-Hexanone	2.9	Not Detected	12	Not Detected
Bromoform	0.72	Not Detected	7.4	Not Detected
4-Ethyltoluene	0.72	Not Detected	3.5	Not Detected
Ethanol	2.9	Not Detected	5.4	Not Detected
Methyl tert-butyl ether	0.72	Not Detected U J	2.6	Not Detected U J
3-Chloropropene	2.9	Not Detected	9.0	Not Detected
2,2,4-Trimethylpentane	0.72	Not Detected	3.4	Not Detected
Naphthalene	2.9	Not Detected	15	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-25sep.b/5092523.d
Lab Smp Id: 0709284-02A
Inj Date : 25-SEP-2007 22:48
Operator : srs Inst ID: msd5.i
Smp Info : 200ml #TO-1601
Misc Info : 2.0"Hg -> 5psi GEI Consultants
Comment :
Method : /chem/msd5.i/5-25sep.b/t14q912a.m
Meth Date : 25-Sep-2007 08:47 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1
Dil Factor: 1.44000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	288089	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	229218			48.64- 108.64	79.57
8.059	8.059 (1.000)	49	626904			197.72- 257.72	217.61
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.939 (1.000)	114	1007041	25.0000		80.00- 120.00	100.00
9.911	9.912 (1.000)	88	171344			0.00- 46.88	17.01
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	798002	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	479484			0.00- 30.00	60.09
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	433014	25.4868	25.487	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	206210			0.00- 30.00	47.62
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	845383	23.4376	23.438	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	90017			0.00- 30.00	10.65

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	540332			0.00- 30.00	63.92
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	380421	23.8246	23.824	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	609214			128.17- 188.17	160.14
16.575	16.575 (1.105)	176	366227			66.57- 126.57	96.27
32 Acetone					CAS #: 67-64-1		
4.769	4.741 (0.592)	58	69054	5.79114	8.339	80.00- 120.00	100.00
4.769	4.741 (0.592)	43	196553			0.00- 30.00	284.64
67 2-Butanone					CAS #: 78-93-3		
7.699	7.672 (0.955)	72	4816	0.60417	0.8700	80.00- 120.00	100.00
7.699	7.672 (0.955)	43	37145			633.15- 693.15	771.27
7.699	7.672 (0.955)	57	2651			0.00- 30.00	55.05

Report Date: 27-Sep-2007 10:14

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092523.d
Lab Smp Id: 0709284-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 2.0"Hg -> 5psi GEI Consultants

Calibration Date: 25-SEP-2007
Calibration Time: 08:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376371	225823	526919	288089	-23.46
92 1,4-Difluorobenze	1399701	839821	1959581	1007041	-28.05
125 Chlorobenzene-d5	1072117	643270	1500964	798002	-25.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 27-Sep-2007 10:14

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-25sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0709284-02A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 2.0"Hg -> 5psi GEI Consultants

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	25.487	101.95	70-130
$ 107 Toluene-d8	25.000	23.438	93.75	70-130
$ 138 Bromofluorobenzene	25.000	23.824	95.30	70-130

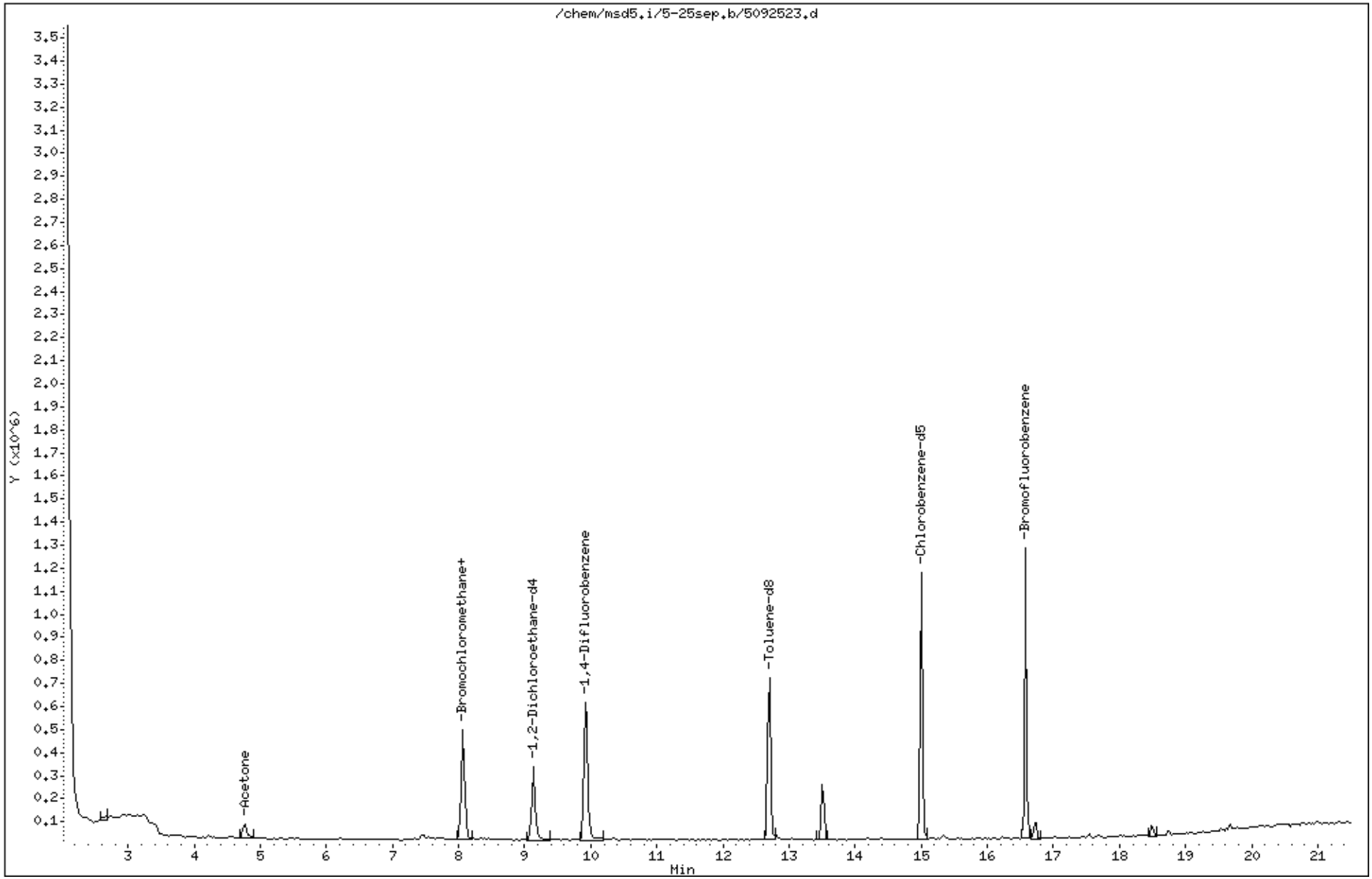
0022

Data File: /chem/msd5.i/5-25sep.b/5092523.d
Date : 25-SEP-2007 22:48
Client ID:
Sample Info: 200ml #TO-1601

Instrument: msd5.i

Operator: srs

Column phase: RTx-624
Column diameter: 0.53



Data File: /chem/msd5.i/5-25sep.b/5092523.d

Date : 25-SEP-2007 22:48

Client ID:

Instrument: msd5.i

Sample Info: 200ml #TO-1601

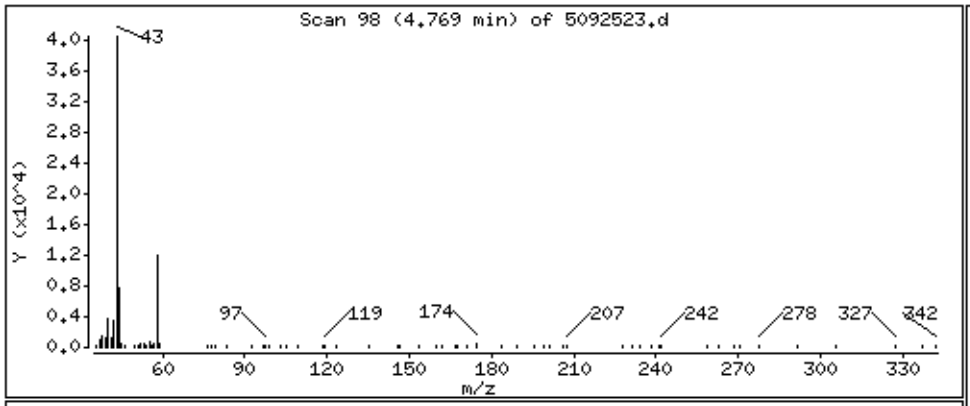
Operator: srs

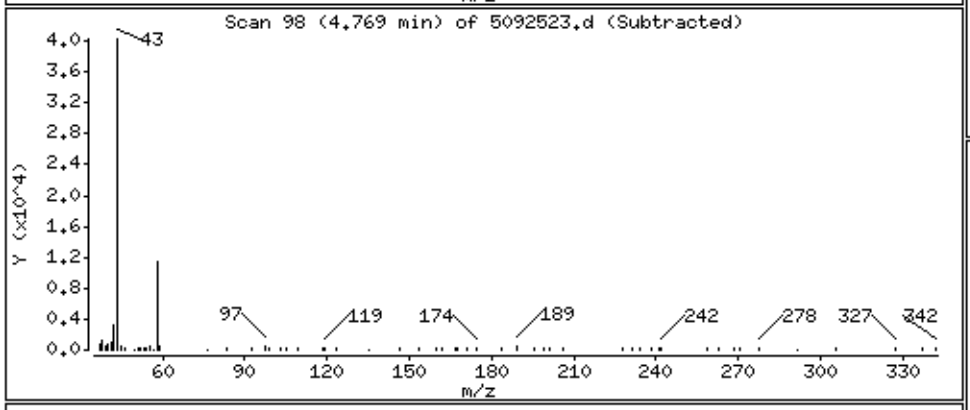
Column phase: RTx-624

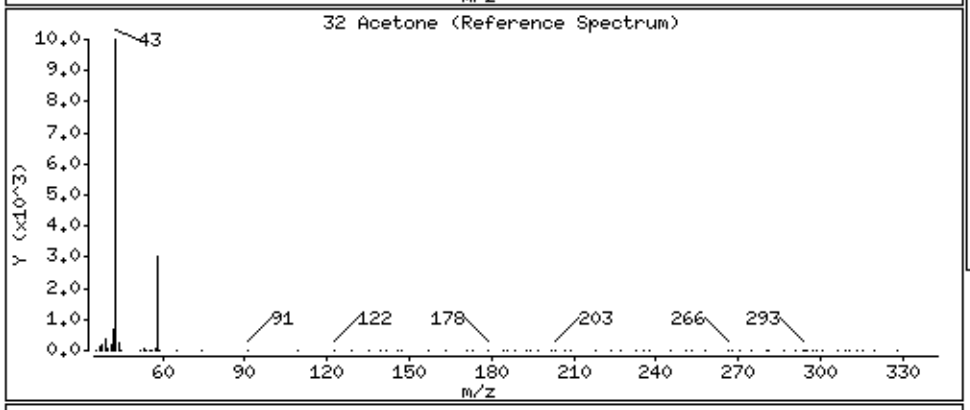
Column diameter: 0.53

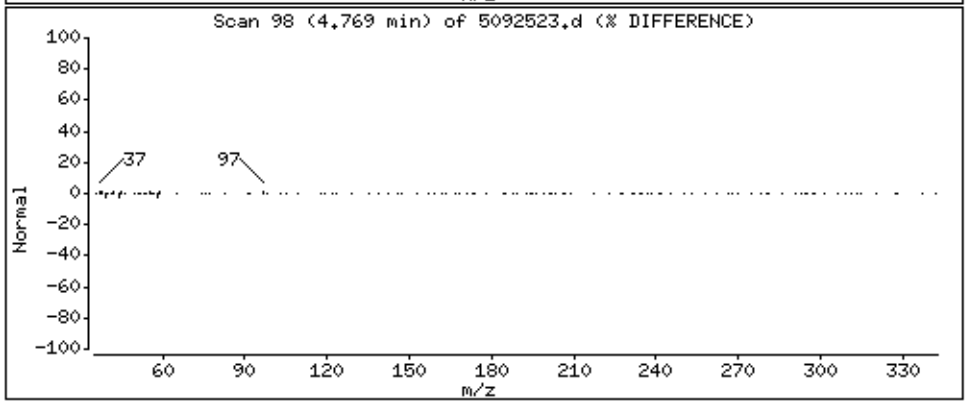
32 Acetone

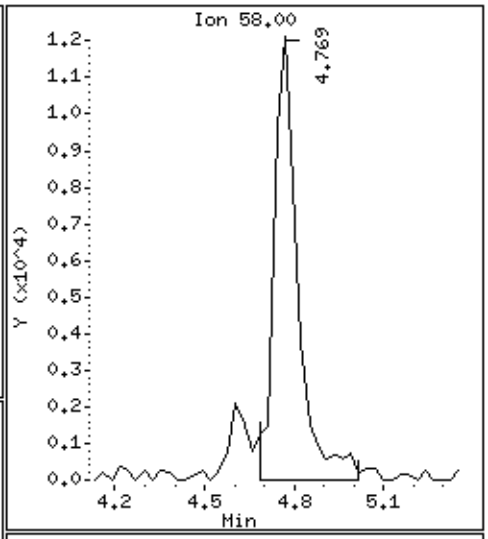
Concentration: 8.339 PPBV

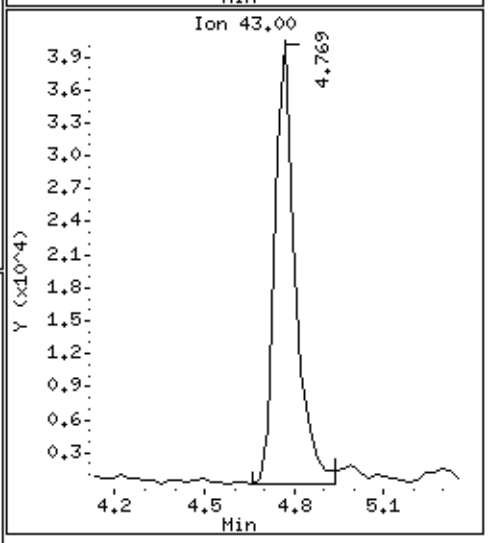












Data File: /chem/msd5.i/5-25sep.b/5092523.d

Date : 25-SEP-2007 22:48

Client ID:

Instrument: msd5.i

Sample Info: 200ml #TO-1601

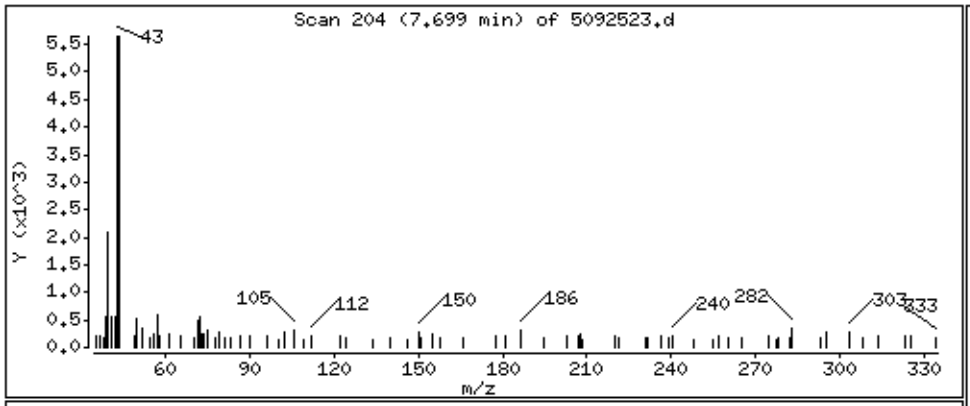
Operator: srs

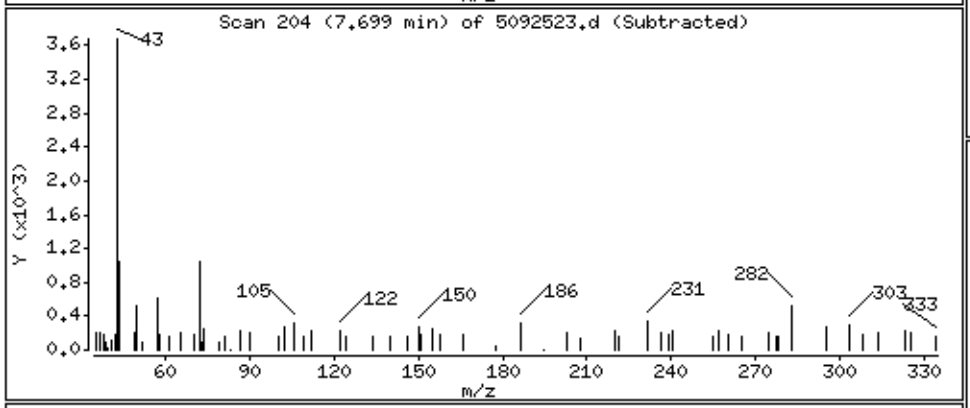
Column phase: RTx-624

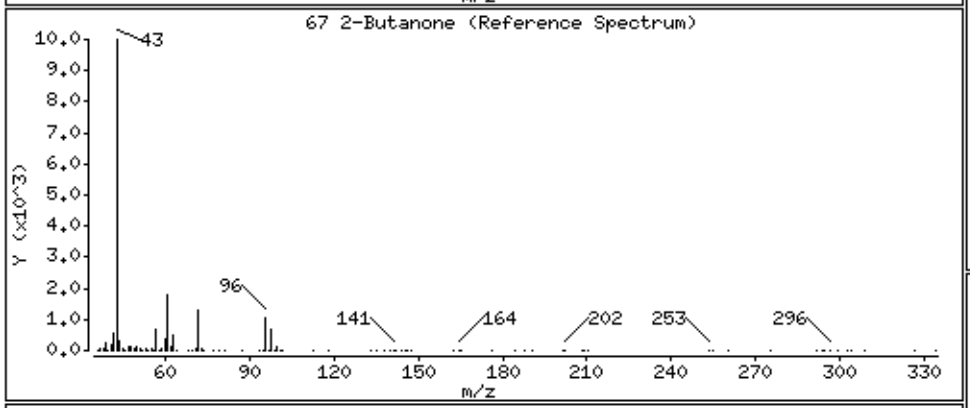
Column diameter: 0.53

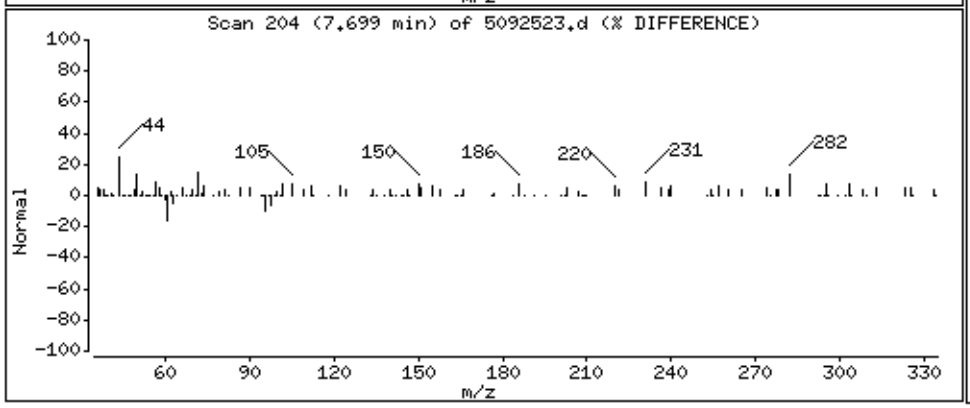
67 2-Butanone

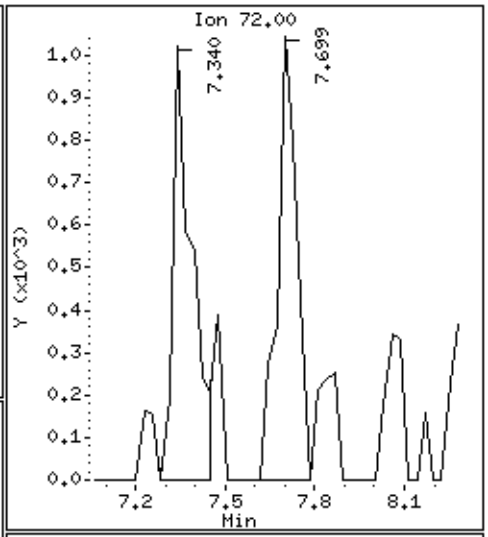
Concentration: 0.8700 PPBV

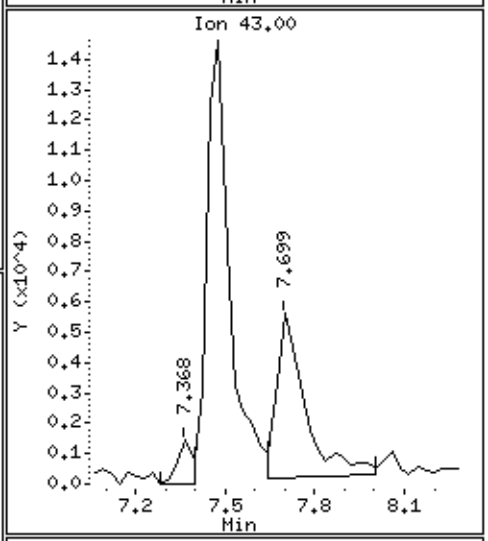


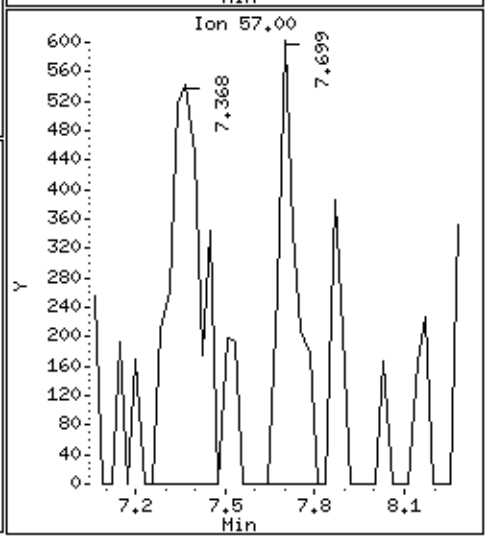












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0709284-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 09:57 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0709284-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 09:57 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected U J	7.2	Not Detected U J
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 U J	1.8	Not Detected U J
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

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-25sep.b/5092504.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 25-SEP-2007 09:57
Operator : lmr Inst ID: msd5.i
Smp Info : 200mL #12941
Misc Info : humid
Comment :
Method : /chem/msd5.i/5-25sep.b/t14q912a.m
Meth Date : 25-Sep-2007 08:47 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	311405	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	247390			48.64- 108.64	79.44
8.059	8.059 (1.000)	49	697368			197.72- 257.72	223.94
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.939 (1.000)	114	1125882	25.0000		80.00- 120.00	100.00
9.911	9.912 (1.000)	88	199595			0.00- 46.88	17.73
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	886403	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	515280			0.00- 30.00	58.13
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	460319	25.0654	25.065	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	230936			0.00- 30.00	50.17
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	961679	23.8475	23.848	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	100383			0.00- 30.00	10.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	605716			0.00- 30.00	62.99
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	425239	23.9754	23.975	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	700197			128.17- 188.17	164.66
16.575	16.575 (1.105)	176	417080			66.57- 126.57	98.08

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092504.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: humid

Calibration Date: 25-SEP-2007
Calibration Time: 08:28
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376371	225823	526919	311405	-17.26
92 1,4-Difluorobenze	1399701	839821	1959581	1125882	-19.56
125 Chlorobenzene-d5	1072117	643270	1500964	886403	-17.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 25-Sep-2007 10:10

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-25sep
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: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: humid

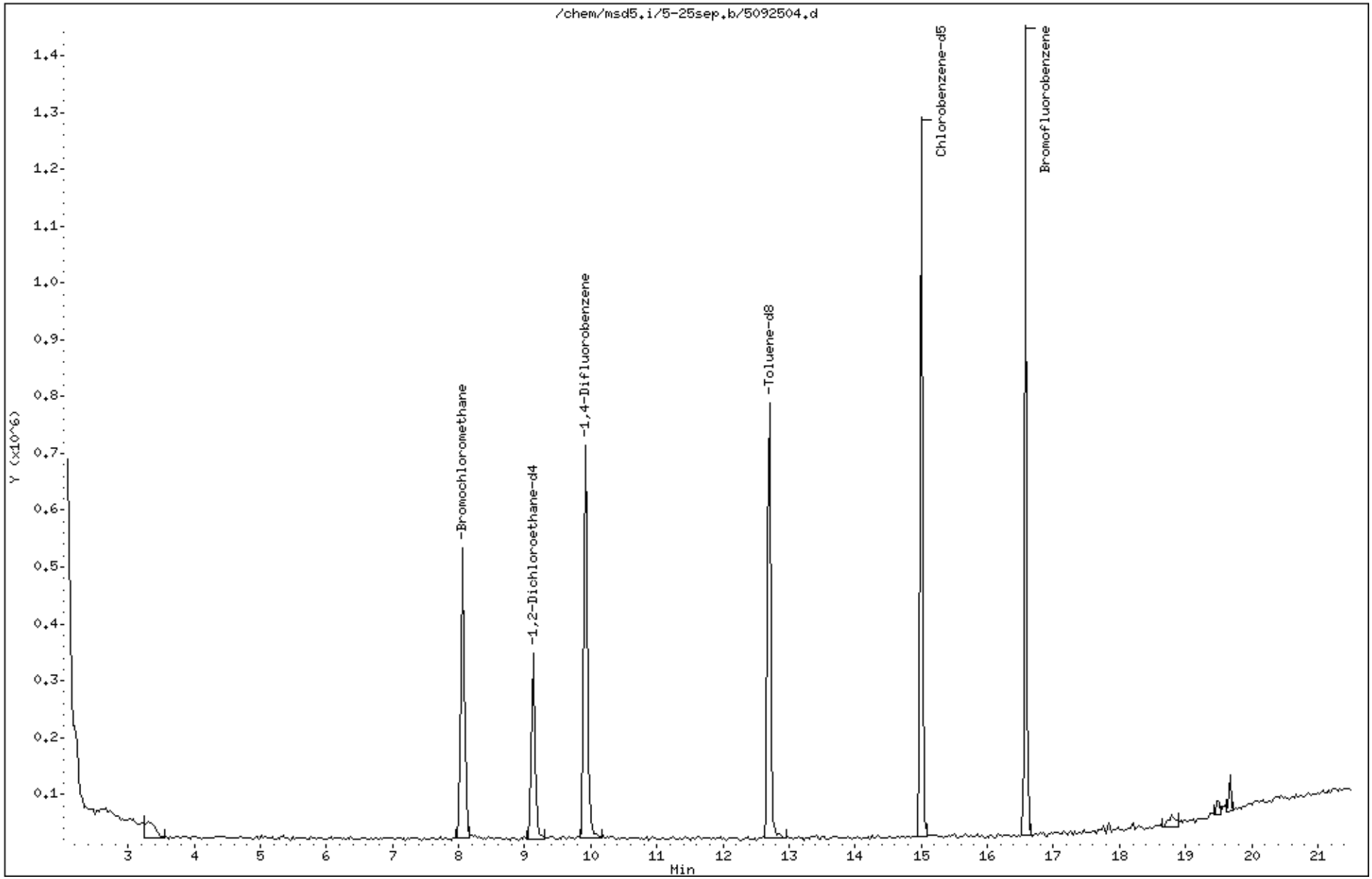
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	25.065	100.26	70-130
$ 107 Toluene-d8	25.000	23.848	95.39	70-130
$ 138 Bromofluorobenzene	25.000	23.975	95.90	70-130

0032

Data File: /chem/msd5.i/5-25sep.b/5092504.d
Date : 25-SEP-2007 09:57
Client ID: Lab Blank
Sample Info: 200mL #12941

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

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0709284

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	Downwind AMS1 #32125	107		94		95				0
02	Upwind AMS5 TO1601	102		94		95				0
03	Lab Blank	100		95		96				0
04	CCV	105		98		105				0
05	LCS	101		98		98				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: 0709284
Lab File ID: 5092502.d
Date Analyzed: 09/25/2007
Instrument ID: msd5.i
Time Analyzed: 08:28 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1072117		15		1399701		9.94		376371		8.06	
	UPPER LIMIT	1500964		15.33		1959581		10.27		526919		08.39	
	LOWER LIMIT	643270		14.67		839821		09.61		225823		07.73	
	CLIENT SAMPLE NO												
01	Downwind AMS1 #32125	810318		15		1002389		9.91		279523		8.06	
02	Upwind AMS5 TO1601	798002		15		1007041		9.91		288089		8.06	
03	Lab Blank	886403		15		1125882		9.91		311405		8.06	
04	CCV	1072117		15		1399701		9.94		376371		8.06	
05	LCS	915124		15		1159947		9.91		319788		8.06	
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 : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd5.i/5-12sep.b/5091205.d
Level 2: /chem/msd5.i/5-12sep.b/5091206.d
Level 3: /chem/msd5.i/5-12sep.b/5091207.d
Level 4: /chem/msd5.i/5-12sep.b/5091208.d
Level 5: /chem/msd5.i/5-12sep.b/5091209.d
Level 6: /chem/msd5.i/5-12sep.b/5091210.d
Level 7: /chem/msd5.i/5-12sep.b/5091211.d

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Propylene	+++++	+++++	1.58462	2.03593	1.93786	1.79339	1.82273	1.83491	9.262
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Dichlorodifluoromethane/Fr12	+++++	2.01865	2.53778	3.54060	3.18635	2.86821	2.78509	2.82278	18.603
9 Freon 114	+++++	2.61256	2.47870	3.16695	2.96635	2.70060	2.61148	2.75611	9.385
10 Chloromethane	+++++	+++++	2.01631	2.76200	2.59387	2.39007	2.18011	2.38847	12.624
11 Butane	+++++	+++++	0.52910	0.61589	0.58814	0.55061	0.53493	0.56374	6.588
12 1,3-Butadiene	+++++	1.52347	1.61425	2.22002	2.19842	2.06582	2.02180	1.94063	15.413
13 Vinyl Chloride	+++++	1.54021	1.73170	2.44897	2.34685	2.16920	2.11485	2.05863	17.194
14 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Bromomethane	+++++	1.17007	1.10818	1.63902	1.59299	1.52123	1.48286	1.41906	15.814
16 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 Isopentane	+++++	+++++	2.77516	3.65608	3.62282	3.34993	3.30948	3.34270	10.576

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Chloroethane	+++++	0.95245	0.88823	1.30135	1.20756	1.13144	1.12495	1.10100	14.090
20 Trichlorofluoromethane/Fr11	+++++	2.88297	2.63561	3.59359	3.46139	3.20447	3.18599	3.16067	11.259
21 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Ethanol	+++++	+++++	0.69852	0.92330	0.90610	0.79699	0.82765	0.83051	10.916
27 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
30 Freon 113	+++++	1.98260	1.69657	2.32831	2.21489	2.06138	2.04388	2.05460	10.532
31 1,1-Dichloroethene	+++++	2.29765	2.23188	2.97348	2.96741	2.74823	2.74930	2.66132	12.154
32 Acetone	+++++	+++++	0.76502	1.13020	1.11161	1.07158	1.09537	1.03476	14.720
33 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 Carbon Disulfide	+++++	4.06592	3.84856	5.21484	5.01962	4.72671	4.69596	4.59527	11.634
36 2-Propanol	+++++	+++++	2.78078	4.15483	4.30455	4.17104	4.21728	3.92569	16.371
37 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 3-Chloropropene	+++++	+++++	0.61094	0.83403	0.83003	0.76612	0.74321	0.75687	11.978
39 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 Methylene Chloride	+++++	2.49008	1.92873	2.57890	2.55375	2.41087	2.35255	2.38581	10.042
44 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 MTBE	+++++	2.09563	1.67719	1.53254	1.23101	1.11393	0.93600	1.43105	29.617
47 trans-1,2-Dichloroethene	+++++	1.91335	1.38976	1.89559	1.83412	1.76301	1.70984	1.75094	11.030

Air Toxics Ltd.

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Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
48 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
49 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
50 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 Hexane	+++++	2.96080	2.72390	3.92738	3.81033	3.61476		
	3.65427						3.44857	14.165
52 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
53 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
55 1,1-Dichloroethane	+++++	2.88097	2.39844	3.34986	3.22446	3.02638		
	3.07791						2.99300	11.134
56 Vinyl Acetate	+++++	+++++	0.22271	0.36746	0.38946	0.40133		
	0.42629						0.36145	22.247
57 Ethyl-tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
59 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
62 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 cis-1,2-Dichloroethene	+++++	2.07645	1.92001	2.52337	2.43143	2.28481	2.28591	2.25366	9.904
67 2-Butanone	+++++	0.57760	0.52994	0.79446	0.75323	0.73362	0.76157	0.69174	15.859

Air Toxics Ltd.

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Integrator : HP RTE
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Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
69 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Tetrahydrofuran	+++++	3.51336	2.22090	2.88243	2.86495	2.72509	2.75095	2.82628	14.667
72 Chloroform	3.27838	2.08676	2.18144	2.74657	2.67227	2.55123	2.55133	2.58114	15.235
73 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Cyclohexane	+++++	1.69902	1.48118	2.19685	2.17486	2.03600	2.04222	1.93836	14.762
75 1,1,1-Trichloroethane	+++++	2.04812	1.91959	2.69069	2.60400	2.51454	2.50850	2.38091	13.327
76 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	1.76798	1.64067	2.21972	2.19369	2.15484	2.16823	2.02419	12.449
78 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
79 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
80 2,2,4-Trimethylpentane	+++++	7.12086	7.24540	10.24912	10.23126	9.95638		
	10.06712						9.14502	16.665
81 Benzene	1.52474	0.92587	0.84299	1.18397	1.14956	1.09346		
	1.03819						1.10839	19.823
82 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
83 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 1,2-Dichloroethane	+++++	0.40654	0.43726	0.56260	0.54919	0.52315		
	0.49873						0.49624	12.572
86 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
88 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
89 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
90 Heptane	+++++	0.12397	0.11146	0.13639	0.13858	0.12987		
	0.12604						0.12772	7.662
91 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
93 Trichloroethene	+++++	0.36094	0.34133	0.47965	0.46220	0.44320		
	0.42180						0.41819	13.330
94 Methyl Cyclohexane	+++++	0.52569	0.45169	0.69412	0.67296	0.65110		
	0.62289						0.60307	15.692
95 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
96 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
97 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
98 1,2-Dichloropropane	+++++	0.44439	0.34908	0.44807	0.44560	0.42809		
	0.40665						0.42031	9.097
99 1,4-Dioxane	+++++	+++++	0.28708	0.33057	0.32474	0.32007		
	0.30536						0.31357	5.582
100 Bromodichloromethane	+++++	0.40647	0.48243	0.66967	0.65901	0.64475		
	0.61463						0.57949	18.794

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
101 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
102 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
103 cis-1,3-Dichloropropene	+++++	0.33613	0.28006	0.48796	0.48692	0.48355		
	0.46524						0.42331	21.583
104 Decane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
105 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
106 4-Methyl-2-pentanone	+++++	0.26311	0.25670	0.43882	0.44087	0.42774		
	0.42306						0.37505	23.853
108 Toluene	+++++	0.81672	0.85369	1.16941	1.14148	1.11037		
	1.06632						1.02633	14.850
109 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
111 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
112 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
113 trans-1,3-Dichloropropene	+++++	0.36570	0.34375	0.60299	0.60699	0.59539		
	0.60860						0.52057	24.729
114 1,1,2-Trichloroethane	+++++	0.38689	0.38320	0.51149	0.46796	0.44696		
	0.43690						0.43890	11.157
115 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
116 Tetrachloroethene	+++++	0.48235	0.44282	0.58476	0.55366	0.51538		
	0.49351						0.51208	9.976
117 Bis(2-chloroethyl) ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
118 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 2-Hexanone	+++++	+++++	0.48473	0.76791	0.76457	0.76867		
	0.78174						0.71353	17.948
120 Dibromochloromethane	+++++	0.41184	0.45535	0.72058	0.70216	0.69210		
	0.68233						0.61073	22.674
121 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
122 1,2-Dibromoethane	+++++	0.51429	0.48896	0.75716	0.72020	0.68623		
	0.68313						0.64166	17.460
123 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
124 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
126 Chlorobenzene	+++++	0.81332	0.86385	1.13027	1.07575	1.04195		
	1.01493						0.99001	12.574
127 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
128 Ethyl Benzene	+++++	0.55069	0.46210	0.62559	0.59685	0.57417		
	0.54982						0.55987	9.988
129 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
130 m,p-Xylene	+++++	0.63744	0.57676	0.77960	0.74637	0.71547		
	0.69479						0.69174	10.711
131 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
132 o-Xylene	+++++	0.35039	0.49934	0.72311	0.69143	0.65907		
	0.63848						0.59364	23.904

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Styrene	1.08062	0.68968	0.65790	1.12417	1.08404	1.09726	1.07906	0.97325	21.099
134 Bromoform	+++++	0.44470	0.43713	0.64699	0.66202	0.64755	0.62611	0.57742	18.423
135 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 Cumene	2.20803	1.21980	1.43120	2.18929	2.09856	2.03919	1.71321	1.84275	21.385
137 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
141 1,1,2,2-Tetrachloroethane	+++++	0.68521	0.81476	1.06123	0.99056	0.97649	0.93184	0.91001	15.056
142 Propylbenzene	+++++	1.91395	1.86411	2.58409	2.49328	2.46188	2.34595	2.27721	13.639
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
144 4-Ethyltoluene	+++++	1.34809	1.54174	2.13331	2.14878	2.05643		
	1.98591						1.86904	18.150
145 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	1.42298	1.34618	2.03214	1.95982	1.89802		
	1.59537						1.70908	17.147
148 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
149 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
151 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
152 1,2,4-Trimethylbenzene	+++++	0.99659	1.17692	1.75703	1.71190	1.69942		
	1.64928						1.49852	21.743
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		+++++	
155 1,3-Dichlorobenzene	+++++	0.86552	0.99684	1.19396	1.16994	1.11571	1.04648	1.06474	11.502	
156 1,4-Dichlorobenzene	+++++	0.98044	1.08354	1.38663	1.33434	1.26956	1.16956	1.20401	12.884	
157 alpha-Chlorotoluene	+++++	0.92745	0.93726	1.81787	1.93556	2.06764	1.40405	1.51497	33.206	<-
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		+++++	
159 1,2-Dichlorobenzene	+++++	0.89370	1.09889	1.25593	1.17798	1.13256	1.05358	1.10211	11.197	
160 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++		+++++	
161 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++		+++++	
162 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		+++++	
163 1,2,4-Trichlorobenzene	+++++	+++++	0.86498	0.84535	0.82024	0.82493	0.76728	0.82455	4.442	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd5.i/5-12sep.b/t14q912a.m
Cal Date : 12-Sep-2007 14:21 lrandolp
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	200.000 Level 7							
164 Hexachlorobutadiene	+++++	+++++	0.50802	0.62999	0.57740	0.58149		
	0.52834						0.56505	8.506
165 Naphthalene	+++++	+++++	2.65903	2.82258	2.92048	2.94117		
	1.53703						2.57606	22.959
166 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
167 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
$ 84 1,2-Dichloroethane-d4	+++++	1.45371	1.41886	1.39042	1.46303	1.49806		
	1.62199						1.47435	5.513
$ 107 Toluene-d8	+++++	0.87509	0.86889	0.89716	0.91153	0.91794		
	0.90200						0.89543	2.194
$ 138 Bromofluorobenzene	+++++	0.49620	0.49629	0.51658	0.49004	0.50146		
	0.50085						0.50024	1.799

Calibration History

Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Start Cal Date: 12-SEP-2007 09:48
End Cal Date : 12-SEP-2007 12:39

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
12-SEP-2007 09:48	AFCEElow	/chem/msd5.i/5-12sep.b/5091205.d
Cal Level: 2 , Cal Amount: 0.50000		
12-SEP-2007 10:16	AT04Low+ENSR	/chem/msd5.i/5-12sep.b/5091206.d
Cal Level: 3 , Cal Amount: 2.00000		
12-SEP-2007 10:43	AT04MDL+ENSR	/chem/msd5.i/5-12sep.b/5091207.d
Cal Level: 4 , Cal Amount: 25.00000		
12-SEP-2007 11:11	AT04MDL+ENSR	/chem/msd5.i/5-12sep.b/5091208.d
Cal Level: 5 , Cal Amount: 50.00000		
12-SEP-2007 11:39	AT04MDL+ENSR	/chem/msd5.i/5-12sep.b/5091209.d
Cal Level: 6 , Cal Amount: 100.00000		
12-SEP-2007 12:07	AT04MDL+ENSR	/chem/msd5.i/5-12sep.b/5091210.d
Cal Level: 7 , Cal Amount: 200.00000		
12-SEP-2007 12:39	AT04MDL+ENSR	/chem/msd5.i/5-12sep.b/5091211.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 8

Ccal Level: 8 , Ccal Amount: 50.000
12-SEP-2007 11:39 | AT04MDL+ENSR | /chem/msd5.i/5-12sep.b/5091209a.d

@ Air Toxics Ltd.

MSD-5

Logbook #: 1586

0054

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	27.35
75	30.0 – 60.0% of mass 95	46.53
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	(0.65)[1]
174	Greater than 50.0% of mass 95	57.70
175	5.0 – 9.0% of mass 174	(7.25)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.42)[1]
177	5.0 – 9.0% of mass 176	(6.19)[2]

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

BFB Injection Date: 9/12/07
BFB Injection Time: 0914
BFB File ID: 5091204
Tekmar Purge Flow: — LR 9/13/07
Vacuum: 3.22×10^{-6}

IS/S Std.#: 1487-385	Exp. Date: 12/10/07
BCM 3716675	
1,4-DFB 1436723	
CB-d5 1196769	

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

Verify 176/174 m/z Ratio: 1244160/1277440 x100 = 97.39

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

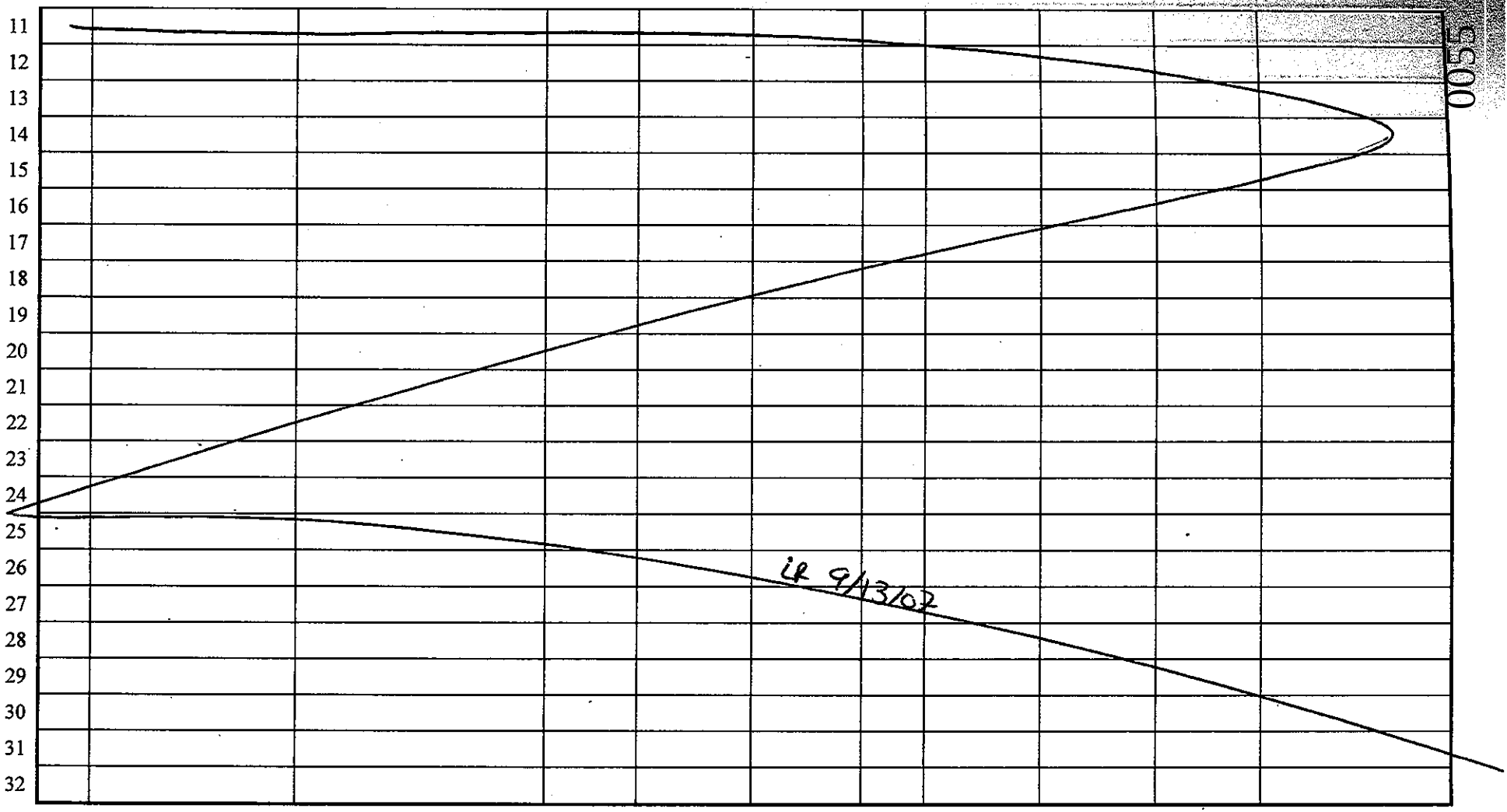
Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1309614)}{(1436723)} \times \frac{(25)}{(0.89543)} = 25.449$

File ID: 5091209	
Compound: To1-d8	
Initials: LR	

Reported Result 25.449

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5091204	BFB Tune Check	643-2980	50ng	2ml	1.00	9/12/07	0914	LR	
2	✓	05	ICAL Lvl 1	1443-294	0.3ppbv	0.3ml			0948	LR	
3	✓	06	2		0.5ppbv	0.5ml			1016	LR	
4	✓	07	3		2.0ppbv	2.0ml			1043	LR	t:14g 9/24
5	✓	08	4		25ppbv	25ml			1111	LR	
6	✓	09	5		50ppbv	50ml			1139	LR	
7	✓	10	6		100ppbv	100ml			1207	LR	
8	✓	11	7		200ppbv	200ml			1239	LR	
9	X	12	System Blank	6441	humid	↓			1359	LR	
10	✓	13	LCS-1 (200ppbv)	1443-295	50ppbv	50ml			1427	LR	ICAL



Comments: NIST Flow meter SN: US03G23372, exp 1/4/08 Real: 25 ml/min Nom: 22.5 ml/min

Signature

9/13/07
Date

Initial Calibration Narrative

A 7-point initial calibration was analyzed on MSD-5 on 9/12/07. As noted on the accompanying analytical run log, no points were re-analyzed.

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

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/msd5.i/5-12sep.b/5091213.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 12-SEP-2007 14:27
Operator : ct Inst ID: msd5.i
Smp Info : 50mL #1443-295
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 14:21 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	388775	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	295708			48.04- 108.04	76.06
8.059	8.059 (1.000)	49	867653			192.32- 252.32	223.18
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.912 (1.000)	114	1511762	25.0000		80.00- 120.00	100.00
9.911	9.912 (1.000)	88	254968			0.00- 47.48	16.87
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1249017	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	725472			0.00- 30.00	58.08
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	582139	25.3904	25.390	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	332830			0.00- 30.00	57.17
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1340715	24.7605	24.760	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	142951			0.00- 30.00	10.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	891585			0.00- 30.00	66.50
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	605422	24.2245	24.224	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	998543			131.34- 191.34	164.93
16.575	16.575 (1.105)	176	580737			69.24- 129.24	95.92
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	1501288	52.6129	52.613	80.00- 120.00	100.00
2.280	2.280 (0.283)	42	1010978			0.00- 30.00	67.34
2.280	2.280 (0.283)	39	998381			0.00- 30.00	66.50
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	2317642	52.7972	52.797	80.00- 120.00	100.00
2.336	2.336 (0.290)	87	747360			0.00- 30.00	32.25
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	2127514	49.6384	49.638	80.00- 120.00	100.00
2.474	2.474 (0.307)	137	675276			1.77- 61.77	31.74
10 Chloromethane					CAS #: 74-87-3		
2.612	2.612 (0.324)	50	1872259	50.4066	50.406	80.00- 120.00	100.00
2.612	2.612 (0.324)	52	562064			0.00- 30.00	30.02
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	1717989	53.6641	53.664	80.00- 120.00	100.00
2.778	2.778 (0.345)	64	528356			0.00- 30.00	30.75
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	1570904	52.0534	52.053	80.00- 120.00	100.00
2.750	2.750 (0.341)	39	1604380			0.00- 30.00	102.13
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	1137115	51.5282	51.528	80.00- 120.00	100.00
3.276	3.276 (0.406)	96	1067333			65.53- 125.53	93.86
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	877285	51.2385	51.238	80.00- 120.00	100.00
3.414	3.414 (0.424)	49	249281			0.00- 30.00	28.42
3.414	3.414 (0.424)	66	244679			0.00- 30.00	27.89
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	2504458	50.9537	50.954	80.00- 120.00	100.00
3.718	3.718 (0.461)	103	1643554			34.64- 94.64	65.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.077	4.078 (0.506)	45	694060	53.7394	53.739	80.00- 120.00	100.00
4.077	4.078 (0.506)	43	115041			0.00- 30.00	16.58
4.077	4.078 (0.506)	46	288850			0.00- 30.00	41.62
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	1824834	57.1133	57.113	80.00- 120.00	100.00
4.520	4.520 (0.561)	153	1156409			32.78- 92.78	63.37
4.520	4.520 (0.561)	101	2468590			105.88- 165.88	135.28
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	2420206	58.4785	58.478	80.00- 120.00	100.00
4.575	4.575 (0.568)	96	1382279			25.13- 85.13	57.11
4.575	4.575 (0.568)	98	871682			6.97- 66.97	36.02
32 Acetone					CAS #: 67-64-1		
4.713	4.714 (0.585)	58	850745	52.8692	52.869	80.00- 120.00	100.00
4.713	4.714 (0.585)	43	2575703			0.00- 30.00	302.76
36 2-Propanol					CAS #: 67-63-0		
4.935	4.907 (0.612)	45	3142563	51.4765	51.476	80.00- 120.00	100.00
4.907	4.907 (0.609)	43	632757			0.00- 30.00	20.14
4.935	4.907 (0.612)	59	109641			0.00- 30.00	3.49
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	3690463	51.6430	51.643	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.184 (0.643)	76	623231	52.9508	52.951	80.00- 120.00	100.00
5.183	5.184 (0.643)	41	2524439			0.00- 30.00	405.06
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	2033488	54.8084	54.808	80.00- 120.00	100.00
5.432	5.432 (0.674)	84	1150231			24.30- 84.30	56.56
5.432	5.432 (0.674)	51	623680			0.00- 30.00	30.67
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	964029	43.3188	43.319	80.00- 120.00	100.00
5.764	5.764 (0.715)	57	319893			3.60- 63.60	33.18
5.764	5.764 (0.715)	41	330713			0.00- 30.00	34.31
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.820 (0.722)	96	1354967	49.7620	49.762	80.00- 120.00	100.00
5.819	5.820 (0.722)	61	2165041			130.11- 190.11	159.79
5.819	5.820 (0.722)	98	865301			0.00- 30.00	63.86

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	2895886	53.9988	53.999	80.00- 120.00	100.00
6.151	6.151 (0.763)	43	2034506			0.00- 30.00	70.26
6.179	6.151 (0.767)	86	389810			0.00- 30.00	13.46
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	2525324	54.2565	54.256	80.00- 120.00	100.00
6.594	6.594 (0.818)	65	743648			0.62- 60.62	29.45
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	567267	52.7337	52.734	80.00- 120.00	100.00
7.672	7.672 (0.952)	43	3438953			582.09- 642.09	606.23
7.672	7.672 (0.952)	57	246633			0.00- 30.00	43.48
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	1834076	52.3323	52.332	80.00- 120.00	100.00
7.617	7.617 (0.945)	96	1217093			36.07- 96.07	66.36
7.617	7.617 (0.945)	98	786759			12.20- 72.20	42.90
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	2082096	47.3726	47.373	80.00- 120.00	100.00
8.031	8.031 (0.997)	71	488132			0.00- 53.51	23.44
8.031	8.031 (0.997)	72	541829			0.00- 30.00	26.02
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	2050650	51.0883	51.088	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1311799			34.40- 94.40	63.97
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	1980364	53.4864	53.486	80.00- 120.00	100.00
8.446	8.446 (1.048)	99	1286733			34.17- 94.17	64.97
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.419 (1.045)	84	1617400	53.6569	53.657	80.00- 120.00	100.00
8.418	8.419 (1.045)	56	2649075			132.70- 192.70	163.79
8.418	8.419 (1.045)	41	1489770			62.58- 122.58	92.11
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.677 (0.825)	86	311225	55.3690	55.369	80.00- 120.00	100.00
6.649	6.677 (0.825)	43	4252249			0.00- 30.00	1366.29
6.649	6.677 (0.825)	42	317461			0.00- 30.00	102.00
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1645923	52.2878	52.288	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1730172			74.66- 134.66	105.12

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	7773513	54.6606	54.660	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	2536737			0.00- 30.00	32.63
9.110	9.110 (1.130)	41	2030508			0.00- 30.00	26.12
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	3361467	50.1523	50.152	80.00- 120.00	100.00
9.082	9.082 (0.916)	77	758751			0.00- 30.00	22.57
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	1571664	52.3747	52.375	80.00- 120.00	100.00
9.276	9.276 (0.936)	64	484833			0.00- 30.00	30.85
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	389316	50.4088	50.409	80.00- 120.00	100.00
9.469	9.497 (0.955)	43	3244977			0.00- 30.00	833.51
9.469	9.497 (0.955)	71	1177970			0.00- 30.00	302.57
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	1350474	53.4039	53.404	80.00- 120.00	100.00
10.326	10.326 (1.042)	130	1267975			66.49- 126.49	93.89
10.326	10.326 (1.042)	97	857058			33.34- 93.34	63.46
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	1261530	49.6342	49.634	80.00- 120.00	100.00
10.852	10.852 (1.095)	62	918800			39.46- 99.46	72.83
10.852	10.852 (1.095)	41	918107			42.31- 102.31	72.78
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	723217	38.1414	38.141	80.00- 120.00	100.00
11.073	11.073 (1.117)	58	697441			67.83- 127.83	96.44
11.073	11.073 (1.117)	57	215893			0.00- 30.00	29.85
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1919967	54.7902	54.790	80.00- 120.00	100.00
11.405	11.405 (1.151)	85	1188039			33.91- 93.91	61.88
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1405229	54.8966	54.897	80.00- 120.00	100.00
12.317	12.317 (1.243)	77	450906			1.87- 61.87	32.09
12.317	12.317 (1.243)	39	1077706			45.66- 105.66	76.69
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.594 (1.271)	58	1195115	52.6960	52.696	80.00- 120.00	100.00
12.593	12.594 (1.271)	43	3434936			0.00- 30.00	287.41
12.593	12.594 (1.271)	85	387174			0.00- 30.00	32.40

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	3458332	55.7231	55.723	80.00- 120.00	100.00
12.815	12.815 (1.293)	92	2063152			30.30- 90.30	59.66
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1439409	55.3447	55.345	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	448932			1.10- 61.10	31.19
13.368	13.368 (0.891)	39	1030940			43.72- 103.72	71.62
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	1134242	51.7263	51.726	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	707791			31.14- 91.14	62.40
13.644	13.644 (0.910)	83	933100			54.39- 114.39	82.27
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.700 (0.913)	166	1294585	50.6015	50.602	80.00- 120.00	100.00
13.699	13.700 (0.913)	129	1055362			51.10- 111.10	81.52
13.699	13.700 (0.913)	131	1036704			46.73- 106.73	80.08
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	1642249	46.0682	46.068	80.00- 120.00	100.00
14.004	14.004 (0.934)	43	3307211			176.43- 236.43	201.38
14.031	14.004 (0.935)	100	246899			0.00- 30.00	15.03
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1627309	53.3330	53.333	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1261394			0.00- 30.00	77.51
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1668445	52.0449	52.045	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1559706			63.31- 123.31	93.48
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.054 (1.002)	112	2563602	51.8302	51.830	80.00- 120.00	100.00
15.054	15.054 (1.004)	114	810829			1.73- 61.73	31.63
15.027	15.054 (1.002)	77	1613057			33.09- 93.09	62.92
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1372748	49.0767	49.077	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	4655350			0.00- 30.00	339.13
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1760006	50.9265	50.926	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	3786849			0.00- 30.00	215.16
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1629006	54.9254	54.925	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	3697127			193.91- 253.91	226.96
133 Styrene					CAS #: 100-42-5		
15.911	15.912 (1.061)	104	2635250	54.1963	54.196	80.00- 120.00	100.00
15.911	15.912 (1.061)	78	1349863			23.21- 83.21	51.22
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1425341	49.4084	49.408	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	754287			19.49- 79.49	52.92
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	2386782	52.4972	52.497	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1519989			36.45- 96.45	63.68
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	5000332	53.5490	53.549	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1475885			0.00- 59.05	29.52
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	4534714	53.1078	53.108	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	2143530			0.00- 30.00	47.27
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3925661	52.4349	52.435	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1848442			16.04- 76.04	47.09
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2629881	49.4384	49.438	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1664040			0.00- 30.00	63.27
17.764	17.764 (1.184)	111	1062451			0.00- 30.00	40.40
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	3051004	50.7206	50.720	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1890704			0.00- 30.00	61.97
17.847	17.847 (1.190)	111	1333350			0.00- 30.00	43.70
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	4785295	63.2231	63.223	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	889194			0.00- 30.00	18.58
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2686905	48.7979	48.798	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1736198			33.11- 93.11	64.62
18.206	18.206 (1.214)	111	1114703			10.71- 70.71	41.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1830061	44.4241	44.424	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1741721			65.19- 125.19	95.17
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1328522	47.0603	47.060	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	835291			31.53- 91.53	62.87
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	6032373	53.0221	53.022	80.00- 120.00	100.00
16.851	16.824 (1.123)	120	1336037			0.00- 30.00	22.15
16.824	16.824 (1.122)	105	200288			0.00- 30.00	3.32
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	5137727	55.8053	55.805	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1336684			0.00- 30.00	26.02
16.326	16.326 (1.088)	51	751974			0.00- 30.00	14.64
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	6202813	48.1953	48.195	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	779331			0.00- 30.00	12.56
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	2575217	49.5403	49.540	80.00- 120.00	100.00
3.414	3.414 (0.424)	57	1637595			0.00- 30.00	63.59
3.414	3.414 (0.424)	72	155063			0.00- 30.00	6.02
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	452620	51.6296	51.630	80.00- 120.00	100.00
2.695	2.695 (0.334)	43	3312074			0.00- 30.00	731.76
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.548 (1.064)	83	1975560	54.1721	54.172	80.00- 120.00	100.00
10.547	10.548 (1.064)	98	967318			0.00- 30.00	48.96
10.547	10.548 (1.064)	55	2271323			0.00- 30.00	114.97

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091213.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	388775	3.21
92 1,4-Difluorobenze	1436723	862034	2011412	1511762	5.22
125 Chlorobenzene-d5	1196769	718061	1675477	1249017	4.37

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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: 12-Sep-2007 14:36

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-12sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: ct
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8 Dichlorodifluorome	50.000	52.797	105.59	70-130
9 Freon 114	50.000	49.638	99.28	70-130
10 Chloromethane	50.000	50.406	100.81	70-130
13 Vinyl Chloride	50.000	53.664	107.33	70-130
12 1,3-Butadiene	50.000	52.053	104.11	60-140
15 Bromomethane	50.000	51.528	103.06	70-130
19 Chloroethane	50.000	51.238	102.48	70-130
20 Trichlorofluoromet	50.000	50.954	101.91	70-130
26 Ethanol	50.000	53.739	107.48	60-140
30 Freon 113	50.000	57.113	114.23	70-130
31 1,1-Dichloroethene	50.000	58.478	116.96	70-130
35 Carbon Disulfide	50.000	51.643	103.29	60-140
32 Acetone	50.000	52.869	105.74	60-140
36 2-Propanol	50.000	51.476	102.95	60-140
38 3-Chloropropene	50.000	52.951	105.90	60-140
43 Methylene Chloride	50.000	54.808	109.62	70-130
46 MTBE	50.000	43.319	86.64	60-140
47 trans-1,2-Dichloro	50.000	49.762	99.52	60-140
51 Hexane	50.000	53.999	108.00	60-140
55 1,1-Dichloroethane	50.000	54.256	108.51	70-130
66 cis-1,2-Dichloroet	50.000	52.332	104.66	70-130
67 2-Butanone	50.000	52.734	105.47	60-140
70 Tetrahydrofuran	50.000	47.373	94.75	60-140
72 Chloroform	50.000	51.088	102.18	70-130
74 Cyclohexane	50.000	53.657	107.31	60-140
75 1,1,1-Trichloroeth	50.000	53.486	106.97	70-130
56 Vinyl Acetate	50.000	55.369	110.74	60-140
77 Carbon Tetrachlori	50.000	52.288	104.58	70-130
80 2,2,4-Trimethylpen	50.000	54.660	109.32	60-140
81 Benzene	50.000	50.152	100.30	70-130
85 1,2-Dichloroethane	50.000	52.375	104.75	70-130
90 Heptane	50.000	50.409	100.82	60-140
93 Trichloroethene	50.000	53.404	106.81	70-130

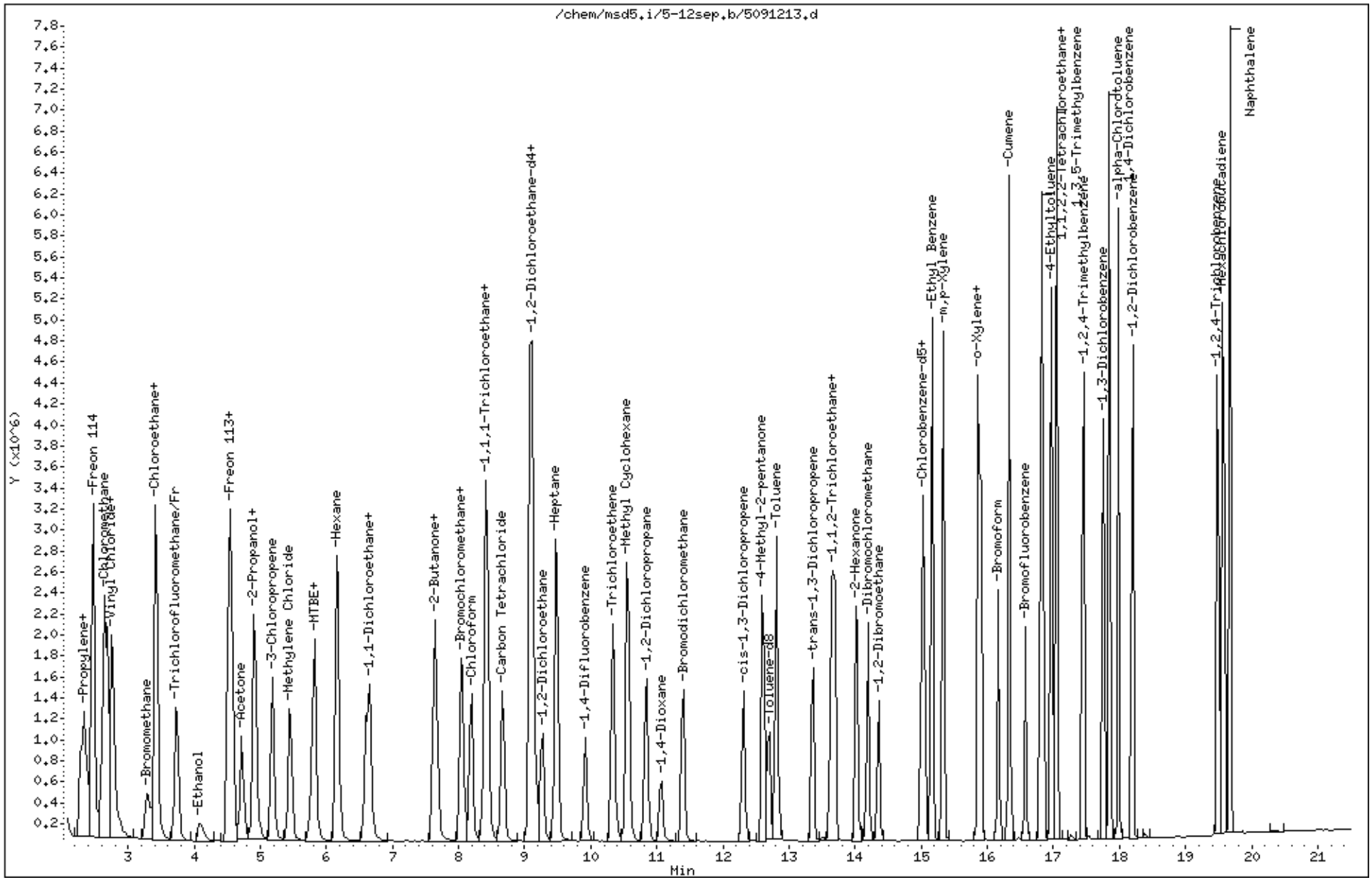
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,2-Dichloropropan	50.000	49.634	99.27	70-130
99 1,4-Dioxane	50.000	38.141	76.28	60-140
100 Bromodichlorometha	50.000	54.790	109.58	60-140
103 cis-1,3-Dichloropr	50.000	54.897	109.79	70-130
106 4-Methyl-2-pentano	50.000	52.696	105.39	60-140
108 Toluene	50.000	55.723	111.45	70-130
113 trans-1,3-Dichloro	50.000	55.345	110.69	70-130
114 1,1,2-Trichloroeth	50.000	51.726	103.45	70-130
116 Tetrachloroethene	50.000	50.602	101.20	70-130
119 2-Hexanone	50.000	46.068	92.14	60-140
120 Dibromochlorometha	50.000	53.333	106.67	60-140
122 1,2-Dibromoethane	50.000	52.045	104.09	70-130
126 Chlorobenzene	50.000	51.830	103.66	70-130
128 Ethyl Benzene	50.000	49.077	98.15	70-130
130 m,p-Xylene	50.000	50.926	101.85	70-130
132 o-Xylene	50.000	54.925	109.85	70-130
133 Styrene	50.000	54.196	108.39	70-130
134 Bromoform	50.000	49.408	98.82	60-140
136 Cumene	50.000	55.805	111.61	60-140
141 1,1,2,2-Tetrachlor	50.000	52.497	104.99	70-130
142 Propylbenzene	50.000	53.022	106.04	60-140
144 4-Ethyltoluene	50.000	53.549	107.10	60-140
147 1,3,5-Trimethylben	50.000	53.108	106.22	70-130
152 1,2,4-Trimethylben	50.000	52.435	104.87	70-130
155 1,3-Dichlorobenzen	50.000	49.438	98.88	70-130
156 1,4-Dichlorobenzen	50.000	50.720	101.44	70-130
157 alpha-Chlorotoluen	50.000	63.223	126.45	70-130
159 1,2-Dichlorobenzen	50.000	48.798	97.60	70-130
163 1,2,4-Trichloroben	50.000	44.424	88.85	70-130
164 Hexachlorobutadien	50.000	47.060	94.12	70-130
6 Propylene	50.000	52.613	105.23	70-130
165 Naphthalene	50.000	48.195	96.39	60-140
11 Butane	50.000	51.630	103.26	70-130
17 Isopentane	50.000	49.540	99.08	70-130
94 Methyl Cyclohexane	50.000	54.172	108.34	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	25.390	101.56	70-130
$ 107 Toluene-d8	25.000	24.760	99.04	70-130
$ 138 Bromofluorobenzene	25.000	24.224	96.90	70-130

Data File: /chem/msd5.i/5-12sep.b/5091213.d
Date : 12-SEP-2007 14:27
Client ID: LCS-1
Sample Info: 50mL #1443-295

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

Column phase: RTx-624



0909

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091205.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 12-SEP-2007 09:48
Operator : ct Inst ID: msd5.i
Smp Info : 0.3ml #1443-294
Misc Info : 200ppbv -> 0.3ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:22 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 09:48 Cal File: 5091205.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane						CAS #: 74-97-5	
8.059	8.059 (1.000)	130	455179	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	352098			48.04- 108.04	77.35
8.059	8.059 (1.000)	49	1010052			192.32- 252.32	221.90
* 92 1,4-Difluorobenzene						CAS #: 540-36-3	
9.939	9.939 (1.000)	114	1745713	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	288264			0.00- 47.48	16.51
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.999	14.999 (1.000)	117	1400116	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	820650			0.00- 30.00	58.61
$ 84 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
9.137	9.137 (1.134)	65	654105	25.0000		70.00- 130.00	100.00(a)
9.137	9.137 (1.134)	67	313003			0.00- 30.00	47.85
$ 107 Toluene-d8						CAS #: 2037-26-5	
12.704	12.704 (1.278)	98	1484101	25.0000		70.00- 130.00	100.00(a)
12.704	12.704 (1.278)	70	146620			0.00- 30.00	9.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.278)	100	963528			0.00- 30.00	64.92
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	649478	25.0000		70.00- 130.00	100.00(a)
16.575	16.575 (1.105)	95	1055716			131.34- 191.34	162.55
16.575	16.575 (1.105)	176	637600			69.24- 129.24	98.17
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	17907	0.30000	0.3000	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	12823			34.40- 94.40	71.61
81 Benzene					CAS #: 71-43-2		
9.110	9.110 (0.917)	78	31941	0.30000	0.3000	70.00- 130.00	100.00
9.110	9.110 (0.917)	77	8685			0.00- 30.00	27.19
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	18156	0.30000	0.3000	70.00- 130.00	100.00
15.912	15.912 (1.061)	78	13378			23.21- 83.21	73.68
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	37098	0.30000	0.3000	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	10574			0.00- 30.00	28.50
16.326	16.326 (1.088)	51	10463			0.00- 30.00	28.20

QC Flag Legend

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

Report Date: 12-Sep-2007 12:22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091205.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 0.3ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	455179	20.84
92 1,4-Difluorobenze	1436723	862034	2011412	1745713	21.51
125 Chlorobenzene-d5	1196769	718061	1675477	1400116	16.99

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.94	0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

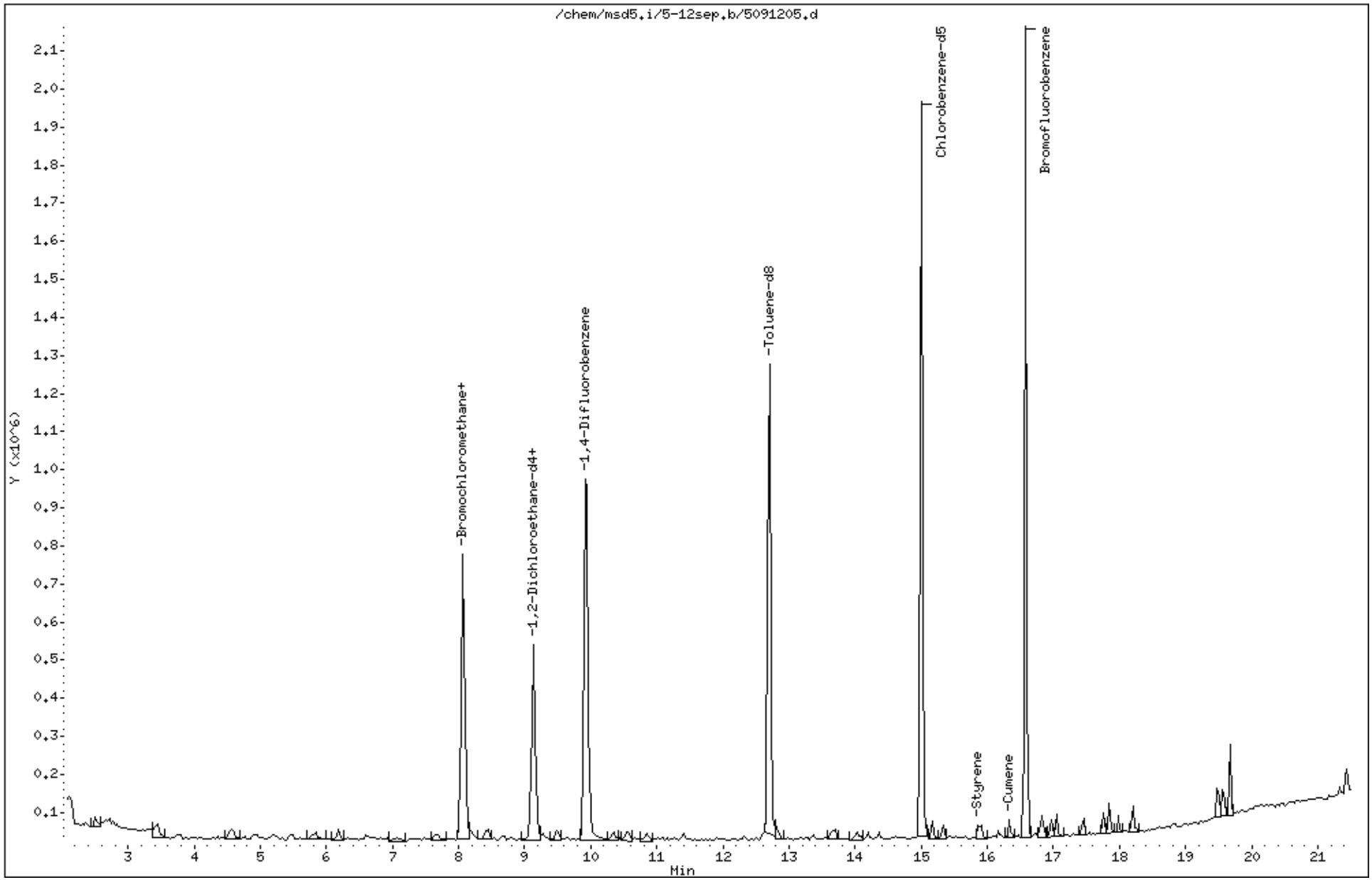
0073

Data File: /chem/msd5.i/5-12sep.b/5091205.d
Date : 12-SEP-2007 09:48
Client ID: Level 1
Sample Info: 0.3ml #1443-294

Instrument: msd5.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091206.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 12-SEP-2007 10:16
Operator : ct Inst ID: msd5.i
Smp Info : 0.5mL #1443-294
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:22 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 10:16 Cal File: 5091206.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04Low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane					CAS #: 74-97-5			
8.059	8.059 (1.000)	130	349466	25.0000		70.00- 130.00		100.00
8.059	8.059 (1.000)	128	285762			48.04- 108.04		81.77
8.059	8.059 (1.000)	49	820002			192.32- 252.32		234.64
* 92 1,4-Difluorobenzene					CAS #: 540-36-3			
9.911	9.911 (1.000)	114	1400362	25.0000		70.00- 130.00		100.00
9.911	9.911 (1.000)	88	228208			0.00- 47.48		16.30
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.999	14.999 (1.000)	117	1130307	25.0000		70.00- 130.00		100.00
14.999	14.999 (1.000)	82	673269			0.00- 30.00		59.57
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
9.137	9.137 (1.134)	65	508023	25.0000	25.000	70.00- 130.00		100.00
9.137	9.137 (1.134)	67	257704			0.00- 30.00		50.73
$ 107 Toluene-d8					CAS #: 2037-26-5			
12.704	12.704 (1.282)	98	1225446	25.0000	25.000	70.00- 130.00		100.00
12.704	12.704 (1.282)	70	129297			0.00- 30.00		10.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	796444			0.00- 30.00	64.99
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	560856	25.0000	25.000	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	906287			131.34- 191.34	161.59
16.575	16.575 (1.105)	176	531277			69.24- 129.24	94.73
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	14109	0.50000	0.5000	70.00- 130.00	100.00
2.391	2.391 (0.297)	87	8041			0.00- 30.00	56.99
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	18260	0.50000	0.5000	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	6398			1.77- 61.77	35.04
13 Vinyl Chloride					CAS #: 75-01-4		
2.806	2.806 (0.348)	62	10765	0.50000	0.5000	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	6307			0.00- 30.00	58.59
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	10648	0.50000	0.5000	70.00- 130.00	100.00
2.778	2.778 (0.345)	39	12002			0.00- 30.00	112.72
15 Bromomethane					CAS #: 74-83-9		
3.303	3.303 (0.410)	94	8178	0.50000	0.5000	70.00- 130.00	100.00
3.303	3.303 (0.410)	96	11964			65.53- 125.53	146.29
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	6657	0.50000	0.5000	70.00- 130.00	100.00
3.386	3.386 (0.420)	49	1375			0.00- 30.00	20.65
3.441	3.441 (0.427)	66	3168			0.00- 30.00	47.59
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	20150	0.50000	0.5000	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	10489			34.64- 94.64	52.05
30 Freon 113					CAS #: 76-13-1		
4.547	4.547 (0.564)	151	13857	0.50000	0.5000	70.00- 130.00	100.00
4.547	4.547 (0.564)	153	7263			32.78- 92.78	52.41
4.520	4.520 (0.561)	101	20020			105.88- 165.88	144.48
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	16059	0.50000	0.5000	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	11020			25.13- 85.13	68.62
4.575	4.575 (0.568)	98	6400			6.97- 66.97	39.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	28418	0.50000	0.5000	70.00- 130.00	100.00
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	17404	0.50000	0.5000	70.00- 130.00	100.00
5.460	5.460 (0.677)	84	8177			24.30- 84.30	46.98
5.432	5.432 (0.674)	51	8381			0.00- 30.00	48.16
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	14647	0.50000	0.5000	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	7085			3.60- 63.60	48.37
5.764	5.764 (0.715)	41	9162			0.00- 30.00	62.55
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	13373	0.50000	0.5000	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	18577			130.11- 190.11	138.91
5.819	5.819 (0.722)	98	7939			0.00- 30.00	59.37
51 Hexane					CAS #: 110-54-3		
6.179	6.179 (0.767)	57	20694	0.50000	0.5000	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	15474			0.00- 30.00	74.78
6.151	6.151 (0.763)	86	3153			0.00- 30.00	15.24
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	20136	0.50000	0.5000	70.00- 130.00	100.00
6.621	6.621 (0.822)	65	5610			0.62- 60.62	27.86
67 2-Butanone					CAS #: 78-93-3		
7.699	7.699 (0.955)	72	4037	0.50000	0.5000	70.00- 130.00	100.00
7.699	7.699 (0.955)	43	24940			582.09- 642.09	617.79
7.672	7.672 (0.952)	57	1730			0.00- 30.00	42.85
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	14513	0.50000	0.5000	70.00- 130.00	100.00
7.644	7.644 (0.949)	96	8644			36.07- 96.07	59.56
7.617	7.617 (0.945)	98	7728			12.20- 72.20	53.25
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	24556	0.50000	0.5000	70.00- 130.00	100.00
8.059	8.059 (1.000)	71	5449			0.00- 53.51	22.19
8.059	8.059 (1.000)	72	6090			0.00- 30.00	24.80
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	14585	0.50000	0.3889	70.00- 130.00	100.00(a)
8.197	8.197 (1.017)	85	8741			34.40- 94.40	59.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	14315	0.50000	0.5000	70.00- 130.00	100.00
8.418	8.418 (1.045)	99	8178			34.17- 94.17	57.13
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	11875	0.50000	0.5000	70.00- 130.00	100.00
8.418	8.418 (1.045)	56	25563			132.70- 192.70	215.27
8.391	8.391 (1.041)	41	16884			62.58- 122.58	142.18
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	12357	0.50000	0.5000	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	12477			74.66- 134.66	100.97
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.082	9.082 (1.127)	57	49770	0.50000	0.5000	70.00- 130.00	100.00
9.082	9.082 (1.127)	56	19749			0.00- 30.00	39.68
9.110	9.110 (1.130)	41	18715			0.00- 30.00	37.60
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	25931	0.50000	0.3778	70.00- 130.00	100.00(a)
9.082	9.082 (0.916)	77	6066			0.00- 30.00	23.39
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.275	9.275 (0.936)	62	11386	0.50000	0.5000	70.00- 130.00	100.00
9.275	9.275 (0.936)	64	3466			0.00- 30.00	30.44
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	3472	0.50000	0.5000	70.00- 130.00	100.00
9.497	9.497 (0.958)	43	22331			0.00- 30.00	643.17
9.469	9.469 (0.955)	71	6431			0.00- 30.00	185.22
93 Trichloroethene					CAS #: 79-01-6		
10.354	10.354 (1.045)	95	10109	0.50000	0.5000	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	7777			66.49- 126.49	76.93
10.326	10.326 (1.042)	97	8217			33.34- 93.34	81.28
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	12446	0.50000	0.5000	70.00- 130.00	100.00
10.824	10.824 (1.092)	62	7660			39.46- 99.46	61.55
10.852	10.852 (1.095)	41	8141			42.31- 102.31	65.41
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	11384	0.50000	0.5000	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	9484			33.91- 93.91	83.31
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	9414	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
103 cis-1,3-Dichloropropene (continued)							
12.317	12.317 (1.243)	77	2234			1.87- 61.87	23.73
12.317	12.317 (1.243)	39	8888			45.66- 105.66	94.41
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.593 (1.271)	58	7369	0.50000	0.5000	70.00- 130.00	100.00
12.621	12.621 (1.273)	43	23217			0.00- 30.00	315.06
12.593	12.593 (1.271)	85	3543			0.00- 30.00	48.08
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	22874	0.50000	0.5000	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	17792			30.30- 90.30	77.78
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	8267	0.50000	0.5000	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	4012			1.10- 61.10	48.53
13.368	13.368 (0.891)	39	8610			43.72- 103.72	104.15
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	8746	0.50000	0.5000	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	4724			31.14- 91.14	54.01
13.644	13.644 (0.910)	83	6858			54.39- 114.39	78.41
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	10904	0.50000	0.5000	70.00- 130.00	100.00
13.699	13.699 (0.913)	129	9630			51.10- 111.10	88.32
13.699	13.699 (0.913)	131	9378			46.73- 106.73	86.01
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	9310	0.50000	0.5000	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	7574			0.00- 30.00	81.35
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	11626	0.50000	0.5000	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	10790			63.31- 123.31	92.81
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	18386	0.50000	0.5000	70.00- 130.00	100.00
15.027	15.027 (1.002)	114	7624			1.73- 61.73	41.47
14.999	14.999 (1.000)	77	22813			33.09- 93.09	124.08
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	12449	0.50000	0.5000	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	33194			0.00- 30.00	266.64
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	14410	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
15.331	15.331 (1.022)	91	26467			0.00- 30.00	183.67
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	7921	0.50000	0.5000	70.00- 130.00	100.00
15.856	15.856 (1.057)	91	25837			193.91- 253.91	326.18
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	15591	0.50000	0.3896	70.00- 130.00	100.00(a)
15.911	15.911 (1.061)	78	8943			23.21- 83.21	57.36
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	10053	0.50000	0.5000	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	5312			19.49- 79.49	52.84
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	15490	0.50000	0.5000	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	12764			36.45- 96.45	82.40
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	30475	0.50000	0.5000	70.00- 130.00	100.00
16.990	16.990 (1.133)	120	8998			0.00- 59.05	29.53
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	32168	0.50000	0.5000	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	14716			0.00- 30.00	45.75
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	22529	0.50000	0.5000	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	10889			16.04- 76.04	48.33
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	19566	0.50000	0.5000	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	11946			0.00- 30.00	61.05
17.764	17.764 (1.184)	111	9069			0.00- 30.00	46.35
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	22164	0.50000	0.5000	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	15803			0.00- 30.00	71.30
17.847	17.847 (1.190)	111	11344			0.00- 30.00	51.18
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	20966	0.50000	0.5000	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	6239			0.00- 30.00	29.76
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	20203	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 1,2-Dichlorobenzene (continued)							
18.206	18.206 (1.214)	148	15058			33.11- 93.11	74.53
18.206	18.206 (1.214)	111	11918			10.71- 70.71	58.99
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	43267	0.50000	0.5000	70.00- 130.00	100.00
16.851	16.851 (1.123)	120	10849			0.00- 30.00	25.07
16.824	16.824 (1.122)	105	2858			0.00- 30.00	6.61
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	27575	0.50000	0.3558	70.00- 130.00	100.00(a)
16.326	16.326 (1.088)	120	11196			0.00- 30.00	40.60
16.326	16.326 (1.088)	51	8193			0.00- 30.00	29.71
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	14723	0.50000	0.5000	70.00- 130.00	100.00
10.547	10.547 (1.064)	98	10581			0.00- 30.00	71.87
10.547	10.547 (1.064)	55	13481			0.00- 30.00	91.56

QC Flag Legend

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

Report Date: 12-Sep-2007 12:22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091206.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	349466	-7.22
92 1,4-Difluorobenze	1436723	862034	2011412	1400362	-2.53
125 Chlorobenzene-d5	1196769	718061	1675477	1130307	-5.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

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

Data File: /chem/msd5.i/5-12sep.b/5091206.d

Date : 12-SEP-2007 10:16

Client ID: Level 2

Sample Info: 0.5mL #1443-294

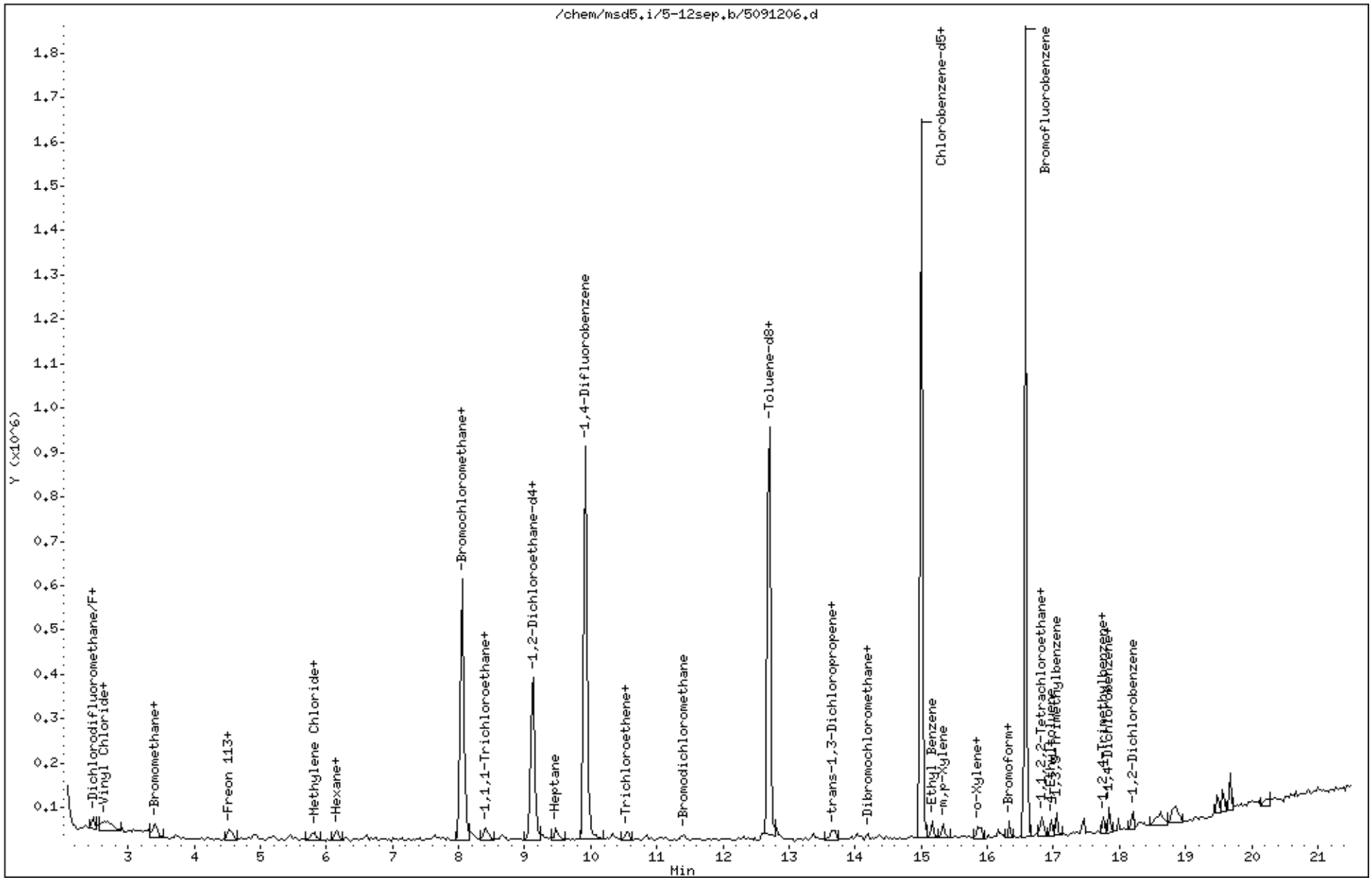
Column phase: RTx-624

Instrument: msd5.i

Operator: ct

Column diameter: 0.53

0082



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091207.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 12-SEP-2007 10:43
Operator : ct Inst ID: msd5.i
Smp Info : 2.0mL #1443-294
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:22 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 10:43 Cal File: 5091207.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane					CAS #: 74-97-5			
8.059	8.059 (1.000)	130	358650	25.0000		70.00- 130.00		100.00
8.059	8.059 (1.000)	128	281648			48.04- 108.04		78.53
8.059	8.059 (1.000)	49	795643			192.32- 252.32		221.84
* 92 1,4-Difluorobenzene					CAS #: 540-36-3			
9.911	9.911 (1.000)	114	1384306	25.0000		70.00- 130.00		100.00
9.911	9.911 (1.000)	88	223024			0.00- 47.48		16.11
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.999	14.999 (1.000)	117	1127008	25.0000		70.00- 130.00		100.00
14.999	14.999 (1.000)	82	664668			0.00- 30.00		58.98
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
9.137	9.137 (1.134)	65	508873	25.0000	24.697	70.00- 130.00		100.00
9.137	9.137 (1.134)	67	258326			0.00- 30.00		50.76
$ 107 Toluene-d8					CAS #: 2037-26-5			
12.704	12.704 (1.282)	98	1202808	25.0000	24.911	70.00- 130.00		100.00
12.704	12.704 (1.282)	70	124760			0.00- 30.00		10.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	747377			0.00- 30.00	62.14
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	559328	25.0000	25.002	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	882355			131.34- 191.34	157.75
16.575	16.575 (1.105)	176	526385			69.24- 129.24	94.11
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	45466	2.00000	2.000	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	28048			0.00- 30.00	61.69
2.280	2.280 (0.283)	39	32589			0.00- 30.00	71.68
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	72814	2.00000	2.228	70.00- 130.00	100.00
2.363	2.363 (0.293)	87	21329			0.00- 30.00	29.29
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	71119	2.00000	1.947	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	23843			1.77- 61.77	33.53
10 Chloromethane					CAS #: 74-87-3		
2.612	2.612 (0.324)	50	57852	2.00000	2.000	70.00- 130.00	100.00
2.584	2.584 (0.321)	52	22217			0.00- 30.00	38.40
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	49686	2.00000	2.117	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	15306			0.00- 30.00	30.81
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	46316	2.00000	2.058	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	57195			0.00- 30.00	123.49
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	31796	2.00000	1.946	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	34228			65.53- 125.53	107.65
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	25485	2.00000	1.930	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	5677			0.00- 30.00	22.28
3.414	3.414 (0.424)	66	9511			0.00- 30.00	37.32
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	75621	2.00000	1.910	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	50780			34.64- 94.64	67.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.133	4.133 (0.513)	45	20042	2.00000	2.000	70.00- 130.00	100.00
4.105	4.105 (0.509)	43	4354			0.00- 30.00	21.72
4.105	4.105 (0.509)	46	5166			0.00- 30.00	25.78
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	48678	2.00000	1.844	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	32182			32.78- 92.78	66.11
4.520	4.520 (0.561)	101	59856			105.88- 165.88	122.96
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	64037	2.00000	1.971	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	36635			25.13- 85.13	57.21
4.575	4.575 (0.568)	98	23681			6.97- 66.97	36.98
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	21950	2.00000	2.000	70.00- 130.00	100.00
4.741	4.741 (0.588)	43	69565			0.00- 30.00	316.92
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	79786	2.00000	2.000	70.00- 130.00	100.00
4.935	4.935 (0.612)	43	22622			0.00- 30.00	28.35
4.962	4.962 (0.616)	59	2554			0.00- 30.00	3.20
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	110423	2.00000	1.945	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.183 (0.643)	76	17529	2.00000	2.000	70.00- 130.00	100.00
5.183	5.183 (0.643)	41	68436			0.00- 30.00	390.42
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	55339	2.00000	1.746	70.00- 130.00	100.00
5.460	5.460 (0.677)	84	29744			24.30- 84.30	53.75
5.460	5.460 (0.677)	51	17942			0.00- 30.00	32.42
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	48122	2.00000	1.778	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	18058			3.60- 63.60	37.53
5.764	5.764 (0.715)	41	19503			0.00- 30.00	40.53
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	39875	2.00000	1.683	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	63078			130.11- 190.11	158.19
5.819	5.819 (0.722)	98	25651			0.00- 30.00	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	78154	2.00000	1.917	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	60210			0.00- 30.00	77.04
6.179	6.179 (0.767)	86	10620			0.00- 30.00	13.59
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	68816	2.00000	1.817	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	22738			0.62- 60.62	33.04
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	15205	2.00000	1.914	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	80741			582.09- 642.09	531.02
7.672	7.672 (0.952)	57	7085			0.00- 30.00	46.60
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	55089	2.00000	1.922	70.00- 130.00	100.00
7.644	7.644 (0.949)	96	35711			36.07- 96.07	64.82
7.617	7.617 (0.945)	98	24531			12.20- 72.20	44.53
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	63722	2.00000	1.549	70.00- 130.00	100.00
8.059	8.059 (1.000)	71	16070			0.00- 53.51	25.22
8.059	8.059 (1.000)	72	20180			0.00- 30.00	31.67
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	62590	2.00000	1.734	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	37974			34.40- 94.40	60.67
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.418	8.418 (1.045)	97	55077	2.00000	1.935	70.00- 130.00	100.00
8.446	8.446 (1.048)	99	38135			34.17- 94.17	69.24
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	42498	2.00000	1.863	70.00- 130.00	100.00
8.418	8.418 (1.045)	56	70872			132.70- 192.70	166.77
8.391	8.391 (1.041)	41	37493			62.58- 122.58	88.22
56 Vinyl Acetate					CAS #: 108-05-4		
6.676	6.676 (0.828)	86	6390	2.00000	2.000	70.00- 130.00	100.00
6.676	6.676 (0.828)	43	65657			0.00- 30.00	1027.50
6.676	6.676 (0.828)	42	6609			0.00- 30.00	103.43
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	47074	2.00000	1.925	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	45665			74.66- 134.66	97.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	207885	2.00000	2.017	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	79049			0.00- 30.00	38.03
9.082	9.082 (1.127)	41	56576			0.00- 30.00	27.22
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	93356	2.00000	1.536	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	24767			0.00- 30.00	26.53
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	48424	2.00000	2.073	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	15373			0.00- 30.00	31.75
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	12344	2.00000	1.894	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	87720			0.00- 30.00	710.63
9.497	9.497 (0.958)	71	34963			0.00- 30.00	283.24
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	37800	2.00000	1.944	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	35580			66.49- 126.49	94.13
10.326	10.326 (1.042)	97	28305			33.34- 93.34	74.88
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	38659	2.00000	1.760	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	24481			39.46- 99.46	63.33
10.852	10.852 (1.095)	41	30515			42.31- 102.31	78.93
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	31792	2.00000	2.000	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	24587			67.83- 127.83	77.34
11.073	11.073 (1.117)	57	8938			0.00- 30.00	28.11
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	53426	2.00000	2.171	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	35374			33.91- 93.91	66.21
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	31015	2.00000	1.818	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	13517			1.87- 61.87	43.58
12.317	12.317 (1.243)	39	27969			45.66- 105.66	90.18
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.621	12.621 (1.273)	58	28428	2.00000	1.975	70.00- 130.00	100.00
12.593	12.593 (1.271)	43	109477			0.00- 30.00	385.10
12.621	12.621 (1.273)	85	11369			0.00- 30.00	39.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	94541	2.00000	2.044	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	55704			30.30- 90.30	58.92
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	30993	2.00000	1.938	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	10272			1.10- 61.10	33.14
13.368	13.368 (0.891)	39	22348			43.72- 103.72	72.11
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	34550	2.00000	1.990	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	22655			31.14- 91.14	65.57
13.644	13.644 (0.910)	83	29253			54.39- 114.39	84.67
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.699 (0.913)	166	39925	2.00000	1.914	70.00- 130.00	100.00
13.699	13.699 (0.913)	129	31139			51.10- 111.10	77.99
13.699	13.699 (0.913)	131	28269			46.73- 106.73	70.81
119 2-Hexanone					CAS #: 591-78-6		
14.031	14.031 (0.935)	58	43704	2.00000	2.000	70.00- 130.00	100.00
14.031	14.031 (0.935)	43	98386			176.43- 236.43	225.12
14.031	14.031 (0.935)	100	9633			0.00- 30.00	22.04
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	41055	2.00000	2.100	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	33050			0.00- 30.00	80.50
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	44085	2.00000	1.950	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	43823			63.31- 123.31	99.41
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.027 (1.002)	112	77885	2.00000	2.060	70.00- 130.00	100.00
15.054	15.054 (1.004)	114	25936			1.73- 61.73	33.30
15.027	15.027 (1.002)	77	55483			33.09- 93.09	71.24
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	41663	2.00000	1.825	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	139469			0.00- 30.00	334.76
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	52001	2.00000	1.900	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	96825			0.00- 30.00	186.20
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	45021	2.00000	2.350	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	101262			193.91- 253.91	224.92
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	59317	2.00000	1.626	70.00- 130.00	100.00
15.911	15.911 (1.061)	78	35090			23.21- 83.21	59.16
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	39412	2.00000	1.983	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	18686			19.49- 79.49	47.41
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	73459	2.00000	2.173	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	44751			36.45- 96.45	60.92
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	139004	2.00000	2.134	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	40219			0.00- 59.05	28.93
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	121372	2.00000	1.944	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	58705			0.00- 30.00	48.37
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	106112	2.00000	2.166	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	49869			16.04- 76.04	47.00
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	89876	2.00000	2.141	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	53779			0.00- 30.00	59.84
17.764	17.764 (1.184)	111	32708			0.00- 30.00	36.39
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	97693	2.00000	2.100	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	63362			0.00- 30.00	64.86
17.847	17.847 (1.190)	111	40836			0.00- 30.00	41.80
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	84504	2.00000	2.010	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	18214			0.00- 30.00	21.55
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	99077	2.00000	2.206	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	60530			33.11- 93.11	61.09
18.206	18.206 (1.214)	111	38137			10.71- 70.71	38.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	77987	2.00000	2.000	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	72115			65.19- 125.19	92.47
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	45803	2.00000	2.000	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	34913			31.53- 91.53	76.22
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	168069	2.00000	1.974	70.00- 130.00	100.00
16.851	16.851 (1.123)	120	36733			0.00- 30.00	21.86
16.824	16.824 (1.122)	105	8323			0.00- 30.00	4.95
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	129038	2.00000	1.767	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	34659			0.00- 30.00	26.86
16.326	16.326 (1.088)	51	24661			0.00- 30.00	19.11
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	239740	2.00000	2.000	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	30709			0.00- 30.00	12.81
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	79625	2.00000	2.000	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	46379			0.00- 30.00	58.25
3.414	3.414 (0.424)	72	5560			0.00- 30.00	6.98
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	15181	2.00000	2.000	70.00- 130.00	100.00
2.695	2.695 (0.334)	43	102071			0.00- 30.00	672.36
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	50022	2.00000	1.848	70.00- 130.00	100.00
10.547	10.547 (1.064)	98	24720			0.00- 30.00	49.42
10.547	10.547 (1.064)	55	59886			0.00- 30.00	119.72

Report Date: 12-Sep-2007 12:22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091207.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	358650	-4.79
92 1,4-Difluorobenze	1436723	862034	2011412	1384306	-3.65
125 Chlorobenzene-d5	1196769	718061	1675477	1127008	-5.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	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.

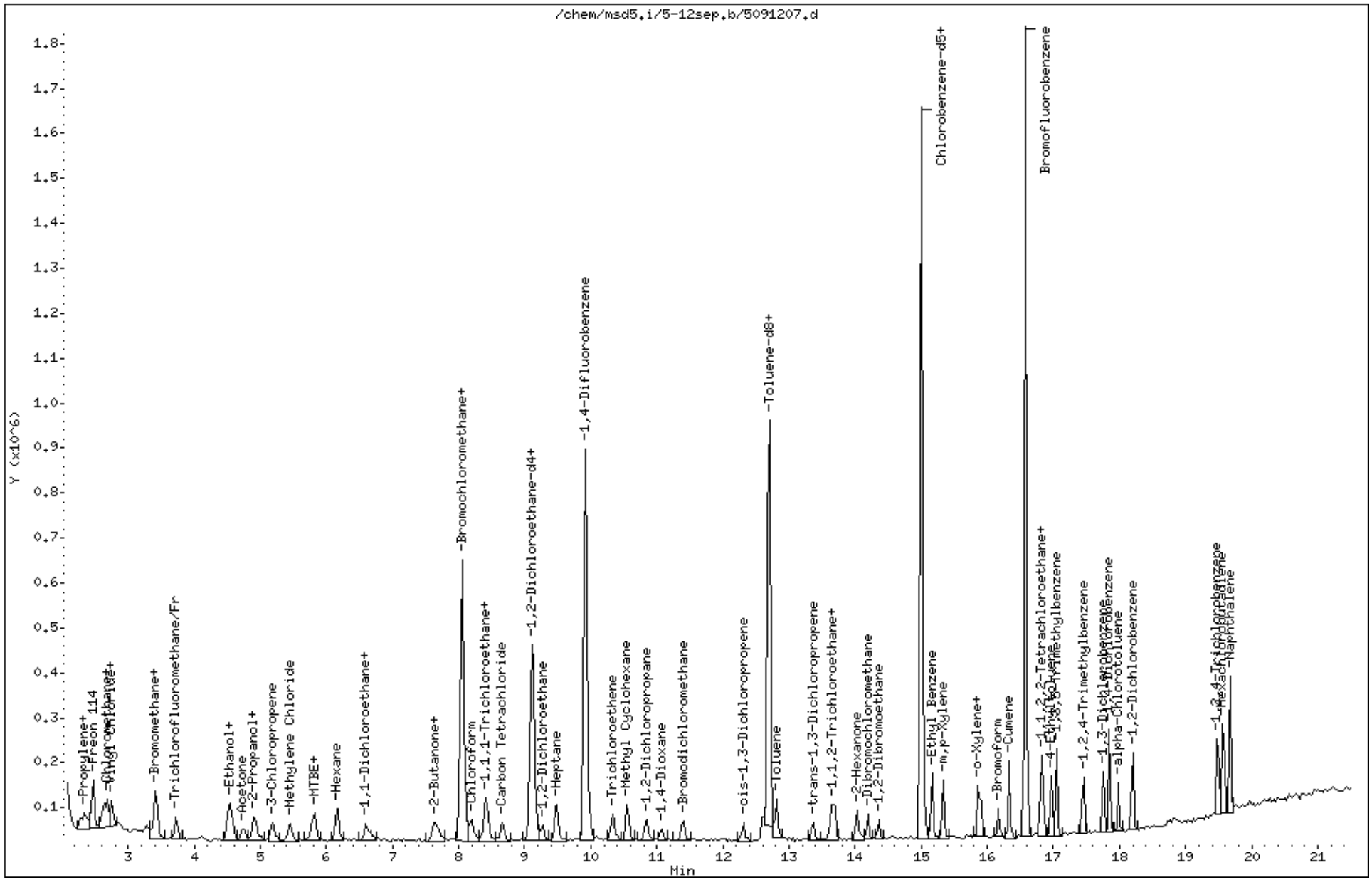
0092

Data File: /chem/msd5.i/5-12sep.b/5091207.d
Date : 12-SEP-2007 10:43
Client ID: Level 3
Sample Info: 2.0mL #1443-294

Instrument: msd5.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091208.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 12-SEP-2007 11:11
Operator : ct Inst ID: msd5.i
Smp Info : 25mL #1443-294
Misc Info : 200ppbv ->25ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:22 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 11:11 Cal File: 5091208.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane						CAS #: 74-97-5		
8.059	8.059 (1.000)	130	372388	25.0000		70.00- 130.00		100.00
8.059	8.059 (1.000)	128	282471			48.04- 108.04		75.85
8.059	8.059 (1.000)	49	808621			192.32- 252.32		217.14
* 92 1,4-Difluorobenzene						CAS #: 540-36-3		
9.911	9.911 (1.000)	114	1418665	25.0000		70.00- 130.00		100.00
9.911	9.911 (1.000)	88	237187			0.00- 47.48		16.72
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1160375	25.0000		70.00- 130.00		100.00
14.999	14.999 (1.000)	82	696519			0.00- 30.00		60.03
$ 84 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	517775	25.0000	24.462	70.00- 130.00		100.00
9.137	9.137 (1.134)	67	277490			0.00- 30.00		53.59
$ 107 Toluene-d8						CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1272773	25.0000	25.476	70.00- 130.00		100.00
12.704	12.704 (1.282)	70	129524			0.00- 30.00		10.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	836754			0.00- 30.00	65.74
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	599424	25.0000	25.674	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	941115			131.34- 191.34	157.00
16.575	16.575 (1.105)	176	553125			69.24- 129.24	92.28
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	758156	25.0000	28.116	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	504632			0.00- 30.00	66.56
2.280	2.280 (0.283)	39	489768			0.00- 30.00	64.60
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	1318478	25.0000	32.795	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	338238			0.00- 30.00	25.65
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	1179334	25.0000	28.762	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	354919			1.77- 61.77	30.09
10 Chloromethane					CAS #: 74-87-3		
2.584	2.584 (0.321)	50	1028536	25.0000	28.901	70.00- 130.00	100.00
2.584	2.584 (0.321)	52	306702			0.00- 30.00	29.82
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	911967	25.0000	32.106	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	285890			0.00- 30.00	31.35
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	826708	25.0000	31.077	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	954243			0.00- 30.00	115.43
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	610353	25.0000	31.381	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	581325			65.53- 125.53	95.24
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	484606	25.0000	31.063	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	145223			0.00- 30.00	29.97
3.414	3.414 (0.424)	66	140967			0.00- 30.00	29.09
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	1338210	25.0000	29.578	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	857439			34.64- 94.64	64.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.077	4.077 (0.506)	45	343825	25.0000	28.465	70.00- 130.00	100.00
4.077	4.077 (0.506)	43	71338			0.00- 30.00	20.75
4.077	4.077 (0.506)	46	137578			0.00- 30.00	40.01
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	867033	25.0000	29.068	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	553643			32.78- 92.78	63.85
4.520	4.520 (0.561)	101	1196917			105.88- 165.88	138.05
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	1107287	25.0000	29.723	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	631633			25.13- 85.13	57.04
4.575	4.575 (0.568)	98	409718			6.97- 66.97	37.00
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	420873	25.0000	29.817	70.00- 130.00	100.00
4.713	4.713 (0.585)	43	1288530			0.00- 30.00	306.16
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	1547208	25.0000	29.953	70.00- 130.00	100.00
4.935	4.935 (0.612)	43	325576			0.00- 30.00	21.04
4.935	4.935 (0.612)	59	54096			0.00- 30.00	3.50
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	1941942	25.0000	29.789	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.183 (0.643)	76	310584	25.0000	28.860	70.00- 130.00	100.00
5.183	5.183 (0.643)	41	1244755			0.00- 30.00	400.78
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	960351	25.0000	27.640	70.00- 130.00	100.00
5.432	5.432 (0.674)	84	535110			24.30- 84.30	55.72
5.432	5.432 (0.674)	51	293242			0.00- 30.00	30.53
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	570699	25.0000	21.665	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	189992			3.60- 63.60	33.29
5.764	5.764 (0.715)	41	211150			0.00- 30.00	37.00
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	705895	25.0000	27.347	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	1123018			130.11- 190.11	159.09
5.819	5.819 (0.722)	98	449996			0.00- 30.00	63.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	1462508	25.0000	30.644	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	1004361			0.00- 30.00	68.67
6.179	6.179 (0.767)	86	197469			0.00- 30.00	13.50
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	1247446	25.0000	29.115	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	367983			0.62- 60.62	29.50
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	295849	25.0000	31.327	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	1754210			582.09- 642.09	592.94
7.672	7.672 (0.952)	57	119950			0.00- 30.00	40.54
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	939672	25.0000	29.027	70.00- 130.00	100.00
7.617	7.617 (0.945)	96	625987			36.07- 96.07	66.62
7.617	7.617 (0.945)	98	402434			12.20- 72.20	42.83
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	1073381	25.0000	25.089	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	259847			0.00- 53.51	24.21
8.059	8.059 (1.000)	72	290588			0.00- 30.00	27.07
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1022791	25.0000	26.683	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	656246			34.40- 94.40	64.16
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	1001982	25.0000	30.308	70.00- 130.00	100.00
8.446	8.446 (1.048)	99	650538			34.17- 94.17	64.93
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	818081	25.0000	30.642	70.00- 130.00	100.00
8.418	8.418 (1.045)	56	1346716			132.70- 192.70	164.62
8.418	8.418 (1.045)	41	788640			62.58- 122.58	96.40
56 Vinyl Acetate					CAS #: 108-05-4		
6.676	6.676 (0.828)	86	136837	25.0000	31.132	70.00- 130.00	100.00
6.649	6.649 (0.825)	43	1957798			0.00- 30.00	1430.75
6.649	6.649 (0.825)	42	134346			0.00- 30.00	98.18
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	826596	25.0000	29.578	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	892736			74.66- 134.66	108.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	3816650	25.0000	31.228	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	1284089			0.00- 30.00	33.64
9.110	9.110 (1.130)	41	1050052			0.00- 30.00	27.51
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	1679650	25.0000	26.442	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	393058			0.00- 30.00	23.40
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	798139	25.0000	30.002	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	253629			0.00- 30.00	31.78
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	193495	25.0000	27.511	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	1620040			0.00- 30.00	837.25
9.497	9.497 (0.958)	71	586096			0.00- 30.00	302.90
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	680465	25.0000	30.437	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	649642			66.49- 126.49	95.47
10.326	10.326 (1.042)	97	432584			33.34- 93.34	63.57
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	635659	25.0000	27.067	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	455903			39.46- 99.46	71.72
10.852	10.852 (1.095)	41	475795			42.31- 102.31	74.85
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	468971	25.0000	26.760	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	441848			67.83- 127.83	94.22
11.073	11.073 (1.117)	57	135430			0.00- 30.00	28.88
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	950038	25.0000	32.225	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	627199			33.91- 93.91	66.02
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	692257	25.0000	33.145	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	225244			1.87- 61.87	32.54
12.317	12.317 (1.243)	39	543106			45.66- 105.66	78.45
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.593 (1.271)	58	622540	25.0000	34.332	70.00- 130.00	100.00
12.593	12.593 (1.271)	43	1798983			0.00- 30.00	288.97
12.593	12.593 (1.271)	85	196513			0.00- 30.00	31.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene						CAS #: 108-88-3	
12.815	12.815 (1.293)	91	1659006	25.0000	30.884	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	1006485			30.30- 90.30	60.67
113 trans-1,3-Dichloropropene						CAS #: 10061-02-6	
13.368	13.368 (0.891)	75	699698	25.0000	34.458	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	226835			1.10- 61.10	32.42
13.368	13.368 (0.891)	39	510132			43.72- 103.72	72.91
114 1,1,2-Trichloroethane						CAS #: 79-00-5	
13.644	13.644 (0.910)	97	593520	25.0000	29.933	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	357570			31.14- 91.14	60.25
13.644	13.644 (0.910)	83	459025			54.39- 114.39	77.34
116 Tetrachloroethene						CAS #: 127-18-4	
13.699	13.699 (0.913)	166	678544	25.0000	29.046	70.00- 130.00	100.00
13.699	13.699 (0.913)	129	559134			51.10- 111.10	82.40
13.699	13.699 (0.913)	131	531580			46.73- 106.73	78.34
119 2-Hexanone						CAS #: 591-78-6	
14.031	14.031 (0.935)	58	891068	25.0000	30.652	70.00- 130.00	100.00
14.004	14.004 (0.934)	43	1894934			176.43- 236.43	212.66
14.031	14.031 (0.935)	100	129904			0.00- 30.00	14.58
120 Dibromochloromethane						CAS #: 124-48-1	
14.197	14.197 (0.947)	129	836140	25.0000	34.037	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	643139			0.00- 30.00	76.92
122 1,2-Dibromoethane						CAS #: 106-93-4	
14.363	14.363 (0.958)	107	878594	25.0000	32.258	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	824902			63.31- 123.31	93.89
126 Chlorobenzene						CAS #: 108-90-7	
15.054	15.054 (1.004)	112	1311535	25.0000	30.195	70.00- 130.00	100.00
15.054	15.054 (1.004)	114	418756			1.73- 61.73	31.93
15.027	15.027 (1.002)	77	802970			33.09- 93.09	61.22
128 Ethyl Benzene						CAS #: 100-41-4	
15.165	15.165 (1.011)	106	725917	25.0000	28.638	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	2387549			0.00- 30.00	328.90
130 m,p-Xylene						CAS #: 108-38-3	
15.331	15.331 (1.022)	106	904627	25.0000	29.326	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	1950705			0.00- 30.00	215.64
132 o-Xylene						CAS #: 95-47-6	
15.856	15.856 (1.057)	106	839080	25.0000	34.481	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	1826678			193.91- 253.91	217.70
133 Styrene					CAS #: 100-42-5		
15.911	15.911 (1.061)	104	1304463	25.0000	31.646	70.00- 130.00	100.00
15.911	15.911 (1.061)	78	677928			23.21- 83.21	51.97
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	750750	25.0000	31.740	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	394541			19.49- 79.49	52.55
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	1231420	25.0000	31.076	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	790274			36.45- 96.45	64.18
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	2475437	25.0000	31.852	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	749479			0.00- 59.05	30.28
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	2358046	25.0000	31.744	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	1118895			0.00- 30.00	47.45
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	2038811	25.0000	33.526	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	961962			16.04- 76.04	47.18
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	1385439	25.0000	29.299	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	874356			0.00- 30.00	63.11
17.764	17.764 (1.184)	111	540777			0.00- 30.00	39.03
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	1609006	25.0000	30.139	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	984394			0.00- 30.00	61.18
17.847	17.847 (1.190)	111	693919			0.00- 30.00	43.13
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	2109410	25.0000	37.023	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	411535			0.00- 30.00	19.51
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	1457345	25.0000	28.996	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	916907			33.11- 93.11	62.92
18.206	18.206 (1.214)	111	579487			10.71- 70.71	39.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	980925	25.0000	24.713	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	921017			65.19- 125.19	93.89
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	731023	25.0000	27.680	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	465711			31.53- 91.53	63.71
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	2998513	25.0000	30.462	70.00- 130.00	100.00
16.851	16.851 (1.123)	120	669258			0.00- 30.00	22.32
16.824	16.824 (1.122)	105	103279			0.00- 30.00	3.44
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	2540393	25.0000	31.061	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	686159			0.00- 30.00	27.01
16.326	16.326 (1.088)	51	370149			0.00- 30.00	14.57
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	3275255	25.0000	25.746	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	418588			0.00- 30.00	12.78
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	1361481	25.0000	28.424	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	836959			0.00- 30.00	61.47
3.414	3.414 (0.424)	72	82736			0.00- 30.00	6.08
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	229351	25.0000	26.895	70.00- 130.00	100.00
2.667	2.667 (0.331)	43	1739046			0.00- 30.00	758.25
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	984730	25.0000	31.145	70.00- 130.00	100.00
10.547	10.547 (1.064)	98	500431			0.00- 30.00	50.82
10.547	10.547 (1.064)	55	1138874			0.00- 30.00	115.65

Report Date: 12-Sep-2007 12:22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091208.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv ->25ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	372388	-1.14
92 1,4-Difluorobenze	1436723	862034	2011412	1418665	-1.26
125 Chlorobenzene-d5	1196769	718061	1675477	1160375	-3.04

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

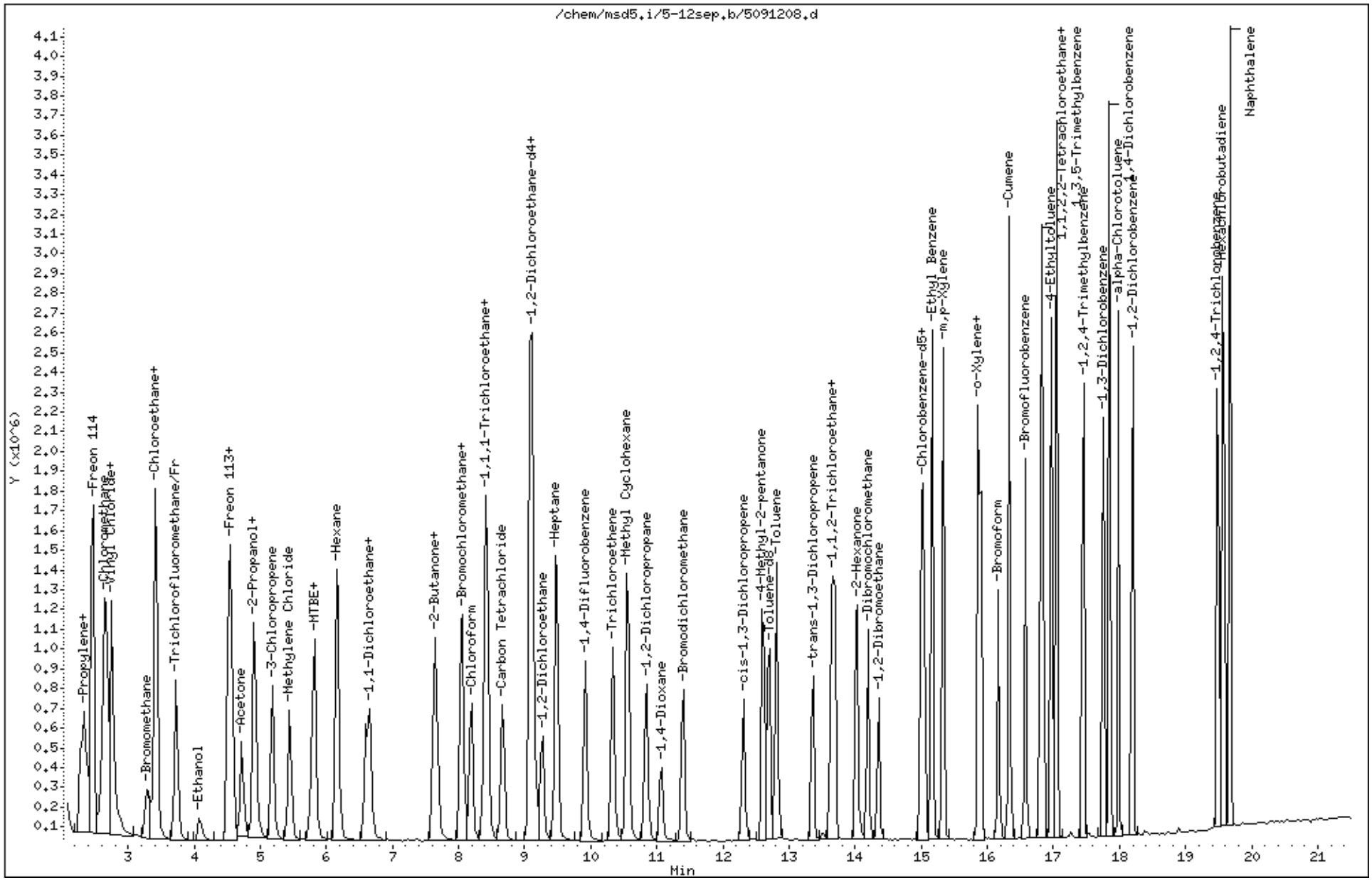
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0102

Data File: /chem/msd5.i/5-12sep.b/5091208.d
Date : 12-SEP-2007 11:11
Client ID: Level 4
Sample Info: 25mL #1443-294

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091209.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 12-SEP-2007 11:39
Operator : ct Inst ID: msd5.i
Smp Info : 50mL #1443-294
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:23 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 11:39 Cal File: 5091209.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	376675	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	293974			48.04- 108.04	78.04
8.059	8.059 (1.000)	49	837439			192.32- 252.32	222.32
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1436723	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	251174			0.00- 47.48	17.48
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1196769	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	703236			0.00- 30.00	58.76
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	551088	25.0000	25.551	70.00- 130.00	100.00
9.137	9.137 (1.134)	67	305280			0.00- 30.00	55.40
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1309614	25.0000	25.658	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	138939			0.00- 30.00	10.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	867713			0.00- 30.00	66.26
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	586464	25.0000	24.513	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	946208			131.34- 191.34	161.34
16.575	16.575 (1.105)	176	582036			69.24- 129.24	99.24
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	1459886	50.0000	52.295	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	972081			0.00- 30.00	66.59
2.280	2.280 (0.283)	39	969317			0.00- 30.00	66.40
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	2400436	50.0000	56.479	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	769189			0.00- 30.00	32.04
9 Freon 114					CAS #: 76-14-2		
2.474	2.474 (0.307)	135	2234699	50.0000	52.855	70.00- 130.00	100.00
2.474	2.474 (0.307)	137	709945			1.77- 61.77	31.77
10 Chloromethane					CAS #: 74-87-3		
2.612	2.612 (0.324)	50	1954091	50.0000	52.777	70.00- 130.00	100.00
2.612	2.612 (0.324)	52	596919			0.00- 30.00	30.55
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	1767997	50.0000	58.179	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	540107			0.00- 30.00	30.55
12 1,3-Butadiene					CAS #: 106-99-0		
2.750	2.750 (0.341)	54	1656182	50.0000	58.189	70.00- 130.00	100.00
2.750	2.750 (0.341)	39	1857560			0.00- 30.00	112.16
15 Bromomethane					CAS #: 74-83-9		
3.276	3.276 (0.406)	94	1200080	50.0000	57.819	70.00- 130.00	100.00
3.276	3.276 (0.406)	96	1146454			65.53- 125.53	95.53
19 Chloroethane					CAS #: 75-00-3		
3.414	3.414 (0.424)	64	909718	50.0000	55.525	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	259258			0.00- 30.00	28.50
3.414	3.414 (0.424)	66	258307			0.00- 30.00	28.39
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.718	3.718 (0.461)	101	2607639	50.0000	55.058	70.00- 130.00	100.00
3.718	3.718 (0.461)	103	1685526			34.64- 94.64	64.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.078	4.078 (0.506)	45	682610	50.0000	53.766	70.00- 130.00	100.00
4.078	4.078 (0.506)	43	127271			0.00- 30.00	18.64
4.078	4.078 (0.506)	46	291534			0.00- 30.00	42.71
30 Freon 113					CAS #: 76-13-1		
4.520	4.520 (0.561)	151	1668587	50.0000	53.875	70.00- 130.00	100.00
4.520	4.520 (0.561)	153	1047518			32.78- 92.78	62.78
4.520	4.520 (0.561)	101	2267316			105.88- 165.88	135.88
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	2235499	50.0000	56.682	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	1232449			25.13- 85.13	55.13
4.575	4.575 (0.568)	98	826413			6.97- 66.97	36.97
32 Acetone					CAS #: 67-64-1		
4.714	4.714 (0.585)	58	837433	50.0000	55.454	70.00- 130.00	100.00
4.714	4.714 (0.585)	43	2611081			0.00- 30.00	311.80
36 2-Propanol					CAS #: 67-63-0		
4.907	4.907 (0.609)	45	3242833	50.0000	57.444	70.00- 130.00	100.00
4.935	4.935 (0.612)	43	645216			0.00- 30.00	19.90
4.935	4.935 (0.612)	59	110628			0.00- 30.00	3.41
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	3781531	50.0000	55.316	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.184 (0.643)	76	625305	50.0000	54.727	70.00- 130.00	100.00
5.184	5.184 (0.643)	41	2446393			0.00- 30.00	391.23
43 Methylene Chloride					CAS #: 75-09-2		
5.432	5.432 (0.674)	49	1923870	50.0000	53.474	70.00- 130.00	100.00
5.432	5.432 (0.674)	84	1044699			24.30- 84.30	54.30
5.432	5.432 (0.674)	51	576778			0.00- 30.00	29.98
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	927385	50.0000	37.667	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	311563			3.60- 63.60	33.60
5.764	5.764 (0.715)	41	350040			0.00- 30.00	37.74
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.820	5.820 (0.722)	96	1381737	50.0000	52.159	70.00- 130.00	100.00
5.820	5.820 (0.722)	61	2212360			130.11- 190.11	160.11
5.820	5.820 (0.722)	98	872872			0.00- 30.00	63.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	2870511	50.0000	56.776	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	2028666			0.00- 30.00	70.67
6.179	6.179 (0.767)	86	379006			0.00- 30.00	13.20
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	2429144	50.0000	54.404	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	743874			0.62- 60.62	30.62
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	567449	50.0000	56.736	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	3473292			582.09- 642.09	612.09
7.672	7.672 (0.952)	57	251087			0.00- 30.00	44.25
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	1831720	50.0000	54.326	70.00- 130.00	100.00
7.617	7.617 (0.945)	96	1210273			36.07- 96.07	66.07
7.617	7.617 (0.945)	98	772979			12.20- 72.20	42.20
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	2158310	50.0000	49.905	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	507376			0.00- 53.51	23.51
8.031	8.031 (0.997)	72	571562			0.00- 30.00	26.48
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	2013151	50.0000	51.527	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	1296525			34.40- 94.40	64.40
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	1961726	50.0000	56.227	70.00- 130.00	100.00
8.446	8.446 (1.048)	99	1258788			34.17- 94.17	64.17
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	1638432	50.0000	57.598	70.00- 130.00	100.00
8.419	8.419 (1.045)	56	2665682			132.70- 192.70	162.70
8.419	8.419 (1.045)	41	1516889			62.58- 122.58	92.58
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	293400	50.0000	59.634	70.00- 130.00	100.00
6.649	6.649 (0.825)	43	4076506			0.00- 30.00	1389.40
6.649	6.649 (0.825)	42	297077			0.00- 30.00	101.25
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	1652614	50.0000	56.090	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	1729701			74.66- 134.66	104.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	7707720	50.0000	58.722	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	2498724			0.00- 30.00	32.42
9.110	9.110 (1.130)	41	2065214			0.00- 30.00	26.79
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	3303201	50.0000	51.072	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	754585			0.00- 30.00	22.84
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	1578058	50.0000	56.166	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	496588			0.00- 30.00	31.47
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	398189	50.0000	54.301	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	3254318			0.00- 30.00	817.28
9.497	9.497 (0.958)	71	1177118			0.00- 30.00	295.62
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	1328108	50.0000	56.225	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	1281514			66.49- 126.49	96.49
10.326	10.326 (1.042)	97	841161			33.34- 93.34	63.34
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	1280417	50.0000	52.824	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	889367			39.46- 99.46	69.46
10.852	10.852 (1.095)	41	925819			42.31- 102.31	72.31
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	933131	50.0000	51.689	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	912875			67.83- 127.83	97.83
11.073	11.073 (1.117)	57	287820			0.00- 30.00	30.84
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1893620	50.0000	59.435	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	1210147			33.91- 93.91	63.91
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1399129	50.0000	61.206	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	445857			1.87- 61.87	31.87
12.317	12.317 (1.243)	39	1058553			45.66- 105.66	75.66
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	1266813	50.0000	63.004	70.00- 130.00	100.00
12.594	12.594 (1.271)	43	3645779			0.00- 30.00	287.79
12.594	12.594 (1.271)	85	402775			0.00- 30.00	31.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	3279995	50.0000	57.342	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	1977697			30.30- 90.30	60.30
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1452861	50.0000	63.247	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	451778			1.10- 61.10	31.10
13.368	13.368 (0.891)	39	1071033			43.72- 103.72	73.72
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	1120087	50.0000	53.495	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	684838			31.14- 91.14	61.14
13.644	13.644 (0.910)	83	945283			54.39- 114.39	84.39
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	1325210	50.0000	53.660	70.00- 130.00	100.00
13.700	13.700 (0.913)	129	1074789			51.10- 111.10	81.10
13.700	13.700 (0.913)	131	1016870			46.73- 106.73	76.73
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	1830021	50.0000	56.853	70.00- 130.00	100.00
14.004	14.004 (0.934)	43	3777785			176.43- 236.43	206.43
14.031	14.031 (0.935)	100	279032			0.00- 30.00	15.25
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1680649	50.0000	61.326	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	1315877			0.00- 30.00	78.30
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1723824	50.0000	58.066	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	1608520			63.31- 123.31	93.31
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	2574840	50.0000	55.405	70.00- 130.00	100.00
15.054	15.054 (1.004)	114	816906			1.73- 61.73	31.73
15.027	15.027 (1.002)	77	1624486			33.09- 93.09	63.09
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1428591	50.0000	53.404	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	4731221			0.00- 30.00	331.18
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1786475	50.0000	54.476	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	3791370			0.00- 30.00	212.23
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1654965	50.0000	61.073	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	3705610			193.91- 253.91	223.91
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	2594685	50.0000	58.452	70.00- 130.00	100.00
15.912	15.912 (1.061)	78	1380625			23.21- 83.21	53.21
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1584572	50.0000	60.435	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	784179			19.49- 79.49	49.49
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	2370941	50.0000	55.778	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	1575430			36.45- 96.45	66.45
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	5143198	50.0000	59.922	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	1493879			0.00- 59.05	29.05
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	4690910	50.0000	57.973	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	2189396			0.00- 30.00	46.67
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	4097497	50.0000	60.679	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	1886540			16.04- 76.04	46.04
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2800287	50.0000	55.365	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	1769164			0.00- 30.00	63.18
17.764	17.764 (1.184)	111	1121905			0.00- 30.00	40.06
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	3193784	50.0000	55.772	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	2010305			0.00- 30.00	62.94
17.847	17.847 (1.190)	111	1406175			0.00- 30.00	44.03
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	4632835	50.0000	68.904	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	868864			0.00- 30.00	18.75
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2819547	50.0000	53.224	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	1779432			33.11- 93.11	63.11
18.206	18.206 (1.214)	111	1147930			10.71- 70.71	40.71

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1963268	50.0000	48.620	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	1868805			65.19- 125.19	95.19
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1382023	50.0000	50.489	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	850315			31.53- 91.53	61.53
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	5967770	50.0000	56.311	70.00- 130.00	100.00
16.852	16.852 (1.123)	120	1334152			0.00- 30.00	22.36
16.824	16.824 (1.122)	105	202707			0.00- 30.00	3.40
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	5022972	50.0000	57.357	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	1325683			0.00- 30.00	26.39
16.326	16.326 (1.088)	51	759636			0.00- 30.00	15.12
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	6990287	50.0000	52.138	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	867448			0.00- 30.00	12.41
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	2729250	50.0000	54.050	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	1693048			0.00- 30.00	62.03
3.414	3.414 (0.424)	72	161372			0.00- 30.00	5.91
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	443079	50.0000	50.903	70.00- 130.00	100.00
2.695	2.695 (0.334)	43	3397463			0.00- 30.00	766.78
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.548	10.548 (1.064)	83	1933713	50.0000	57.408	70.00- 130.00	100.00
10.548	10.548 (1.064)	98	987177			0.00- 30.00	51.05
10.548	10.548 (1.064)	55	2261187			0.00- 30.00	116.93

Report Date: 12-Sep-2007 12:23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091209.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	376675	0.00
92 1,4-Difluorobenze	1436723	862034	2011412	1436723	0.00
125 Chlorobenzene-d5	1196769	718061	1675477	1196769	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

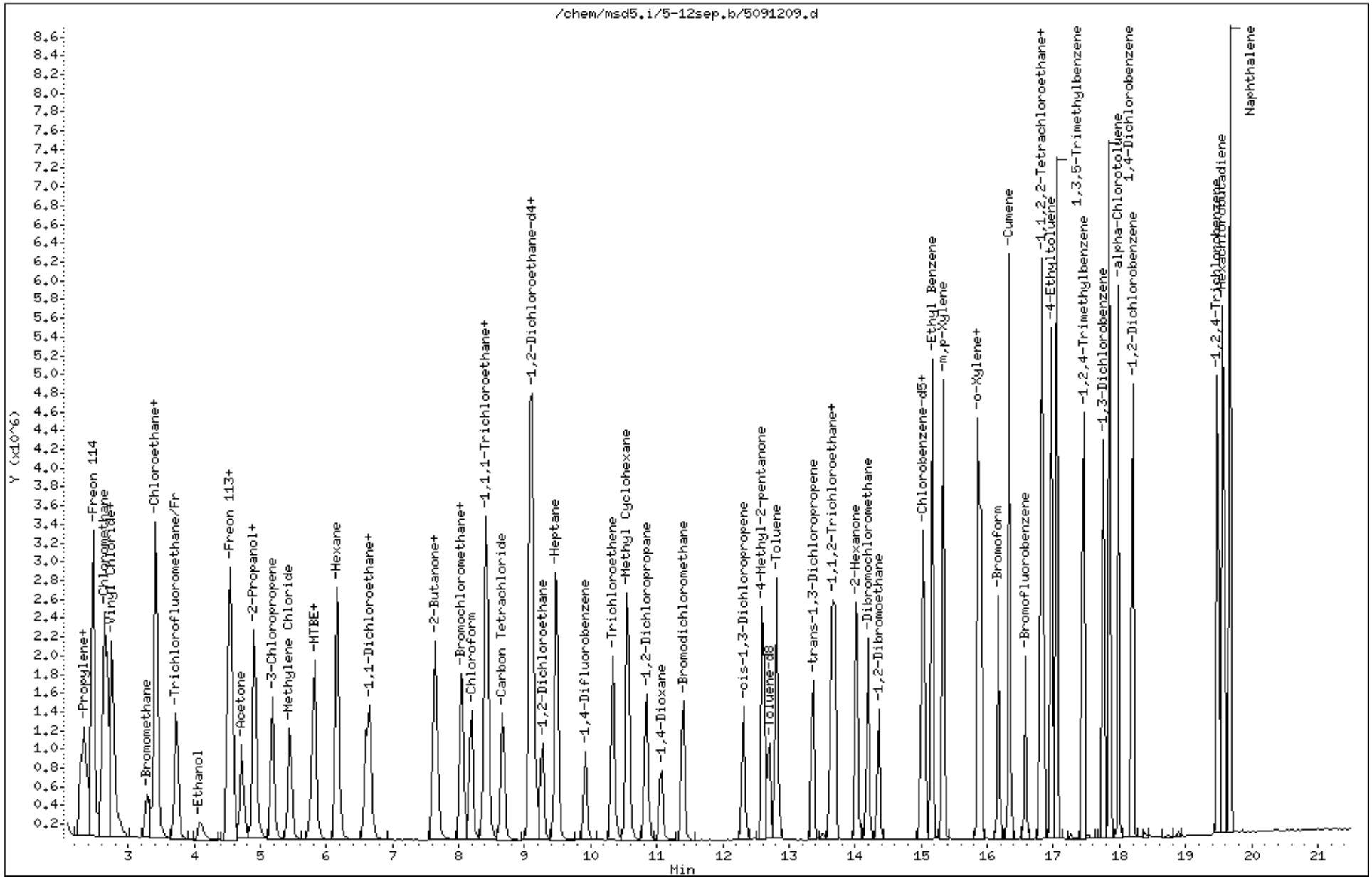
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0112

Data File: /chem/msd5.i/5-12sep.b/5091209.d
Date : 12-SEP-2007 11:39
Client ID: Level 5
Sample Info: 50mL #1443-294

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091210.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 12-SEP-2007 12:07
Operator : ct Inst ID: msd5.i
Smp Info : 100mL #1443-294
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 12:23 ctaylor Quant Type: ISTD
Cal Date : 12-SEP-2007 12:07 Cal File: 5091210.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	400221	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	304579			46.10- 106.10	76.10
8.059	8.059 (1.000)	49	873052			188.14- 248.14	218.14
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1522056	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	254251			0.00- 46.70	16.70
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1266933	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	747100			28.97- 88.97	58.97
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	599554	25.0000	25.921	70.00- 130.00	100.00
9.137	9.137 (1.134)	67	366942			31.20- 91.20	61.20
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1397150	25.0000	25.666	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	137967			0.00- 39.87	9.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	985182			40.51- 100.51	70.51
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	635312	25.0000	25.067	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	1033766			132.72- 192.72	162.72
16.575	16.575 (1.105)	176	610108			66.03- 126.03	96.03
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	2871005	100.000	97.575	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	1942145			37.65- 97.65	67.65
2.280	2.280 (0.283)	39	1936139			37.44- 97.44	67.44
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	4591672	100.000	101.34	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	1464532			1.90- 61.90	31.90
9 Freon 114					CAS #: 76-14-2		
2.502	2.502 (0.310)	135	4323355	100.000	96.968	70.00- 130.00	100.00
2.502	2.502 (0.310)	137	1369295			1.67- 61.67	31.67
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	3826231	100.000	97.931	70.00- 130.00	100.00
2.612	2.612 (0.324)	52	1137153			0.00- 59.72	29.72
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	3472633	100.000	105.95	70.00- 130.00	100.00
2.778	2.778 (0.345)	64	1037936			0.00- 59.89	29.89
12 1,3-Butadiene					CAS #: 106-99-0		
2.778	2.778 (0.345)	54	3307136	100.000	107.35	70.00- 130.00	100.00
2.778	2.778 (0.345)	39	3850353			86.43- 146.43	116.43
15 Bromomethane					CAS #: 74-83-9		
3.303	3.303 (0.410)	94	2435305	100.000	108.17	70.00- 130.00	100.00
3.303	3.303 (0.410)	96	2271384			63.27- 123.27	93.27
19 Chloroethane					CAS #: 75-00-3		
3.442	3.442 (0.427)	64	1811311	100.000	103.21	70.00- 130.00	100.00
3.414	3.414 (0.424)	49	511001			0.00- 58.21	28.21
3.442	3.442 (0.427)	66	441394			0.00- 54.37	24.37
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	5129980	100.000	101.55	70.00- 130.00	100.00
3.746	3.746 (0.465)	103	3338698			35.08- 95.08	65.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.133	4.133 (0.513)	45	1275883	100.000	95.881	70.00- 130.00	100.00
4.105	4.105 (0.509)	43	227317			0.00- 47.82	17.82
4.133	4.133 (0.513)	46	498162			9.04- 69.04	39.04
30 Freon 113					CAS #: 76-13-1		
4.548	4.548 (0.564)	151	3300030	100.000	100.22	70.00- 130.00	100.00
4.548	4.548 (0.564)	153	2103922			33.75- 93.75	63.75
4.520	4.520 (0.561)	101	4531665			107.32- 167.32	137.32
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	4399590	100.000	103.95	70.00- 130.00	100.00
4.575	4.575 (0.568)	96	2493975			26.69- 86.69	56.69
4.575	4.575 (0.568)	98	1580236			5.92- 65.92	35.92
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	1715481	100.000	105.10	70.00- 130.00	100.00
4.713	4.713 (0.585)	43	5215564			274.03- 334.03	304.03
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	6677357	100.000	108.26	70.00- 130.00	100.00
4.935	4.935 (0.612)	43	1331621			0.00- 49.94	19.94
4.935	4.935 (0.612)	59	231457			0.00- 33.47	3.47
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.907 (0.609)	76	7566919	100.000	103.31	70.00- 130.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.184	5.184 (0.643)	76	1226462	100.000	100.77	70.00- 130.00	100.00
5.184	5.184 (0.643)	41	4982268			376.23- 436.23	406.23
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.678)	49	3859521	100.000	100.77	70.00- 130.00	100.00
5.460	5.460 (0.678)	84	2134097			25.29- 85.29	55.29
5.460	5.460 (0.678)	51	1190476			0.85- 60.85	30.85
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	1783272	100.000	72.803	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	607739			4.08- 64.08	34.08
5.764	5.764 (0.715)	41	653436			6.64- 66.64	36.64
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	2822367	100.000	100.22	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	4465699			128.23- 188.23	158.23
5.819	5.819 (0.722)	98	1785093			33.25- 93.25	63.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.151	6.151 (0.763)	57	5786809	100.000	106.08	70.00- 130.00	100.00
6.151	6.151 (0.763)	43	4141634			41.57- 101.57	71.57
6.179	6.179 (0.767)	86	809631			0.00- 43.99	13.99
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	4844883	100.000	101.69	70.00- 130.00	100.00
6.594	6.594 (0.818)	65	1474950			0.44- 60.44	30.44
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	1174437	100.000	108.24	70.00- 130.00	100.00
7.672	7.672 (0.952)	43	7176709			581.08- 641.08	611.08
7.672	7.672 (0.952)	57	510519			13.47- 73.47	43.47
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	3657719	100.000	101.67	70.00- 130.00	100.00
7.617	7.617 (0.945)	96	2435587			36.59- 96.59	66.59
7.617	7.617 (0.945)	98	1564314			12.77- 72.77	42.77
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	4362547	100.000	95.908	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	1063134			0.00- 54.37	24.37
8.031	8.031 (0.997)	72	1146259			0.00- 56.27	26.27
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	4084225	100.000	98.651	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	2624577			34.26- 94.26	64.26
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	4025488	100.000	106.76	70.00- 130.00	100.00
8.446	8.446 (1.048)	99	2590591			34.35- 94.35	64.35
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	3259395	100.000	106.18	70.00- 130.00	100.00
8.419	8.419 (1.045)	56	5409167			135.96- 195.96	165.96
8.419	8.419 (1.045)	41	3036768			63.17- 123.17	93.17
56 Vinyl Acetate					CAS #: 108-05-4		
6.649	6.649 (0.825)	86	642486	100.000	116.25	70.00- 130.00	100.00
6.649	6.649 (0.825)	43	9003379			1371.33-1431.33	1401.33
6.649	6.649 (0.825)	42	655580			72.04- 132.04	102.04
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	3449648	100.000	107.99	70.00- 130.00	100.00
8.667	8.667 (1.075)	117	3550633			72.93- 132.93	102.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	15939016	100.000	111.11	70.00- 130.00	100.00
9.110	9.110 (1.130)	56	5165273			2.41- 62.41	32.41
9.110	9.110 (1.130)	41	4158674			0.00- 56.09	26.09
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	6657236	100.000	97.622	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	1519366			0.00- 52.82	22.82
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	3185053	100.000	105.53	70.00- 130.00	100.00
9.276	9.276 (0.936)	64	1006317			1.59- 61.59	31.59
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	790697	100.000	101.42	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	6665172			812.95- 872.95	842.95
9.497	9.497 (0.958)	71	2372438			270.04- 330.04	300.04
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	2698290	100.000	106.16	70.00- 130.00	100.00
10.326	10.326 (1.042)	130	2599333			66.33- 126.33	96.33
10.326	10.326 (1.042)	97	1739413			34.46- 94.46	64.46
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	2606320	100.000	101.19	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	1850224			40.99- 100.99	70.99
10.852	10.852 (1.095)	41	1861167			41.41- 101.41	71.41
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	1948676	100.000	101.41	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	1900651			67.54- 127.54	97.54
11.073	11.073 (1.117)	57	573947			0.00- 59.45	29.45
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	3925400	100.000	112.63	70.00- 130.00	100.00
11.405	11.405 (1.151)	85	2517908			34.14- 94.14	64.14
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	2943945	100.000	116.54	70.00- 130.00	100.00
12.317	12.317 (1.243)	77	913541			1.03- 61.03	31.03
12.317	12.317 (1.243)	39	2241048			46.12- 106.12	76.12
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	2604150	100.000	117.04	70.00- 130.00	100.00
12.594	12.594 (1.271)	43	7529522			259.14- 319.14	289.14
12.594	12.594 (1.271)	85	868801			3.36- 63.36	33.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	6760182	100.000	109.04	70.00- 130.00	100.00
12.815	12.815 (1.293)	92	4060329			30.06- 90.06	60.06
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	3017299	100.000	118.38	70.00- 130.00	100.00
13.368	13.368 (0.891)	77	949602			1.47- 61.47	31.47
13.368	13.368 (0.891)	39	2213772			43.37- 103.37	73.37
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	2265062	100.000	101.74	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	1389740			31.36- 91.36	61.36
13.644	13.644 (0.910)	83	1849922			51.67- 111.67	81.67
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	2611800	100.000	99.919	70.00- 130.00	100.00
13.700	13.700 (0.913)	129	2149848			52.31- 112.31	82.31
13.700	13.700 (0.913)	131	2047651			48.40- 108.40	78.40
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	3895413	100.000	110.37	70.00- 130.00	100.00
14.004	14.004 (0.934)	43	8089635			177.67- 237.67	207.67
14.031	14.031 (0.935)	100	574070			0.00- 44.74	14.74
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	3507354	100.000	116.04	70.00- 130.00	100.00
14.197	14.197 (0.947)	127	2752627			48.48- 108.48	78.48
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	3477622	100.000	108.35	70.00- 130.00	100.00
14.363	14.363 (0.958)	109	3276160			64.21- 124.21	94.21
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	5280305	100.000	105.78	70.00- 130.00	100.00
15.054	15.054 (1.004)	114	1669705			1.62- 61.62	31.62
15.027	15.027 (1.002)	77	3266934			31.87- 91.87	61.87
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	2909753	100.000	102.19	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	9881755			309.61- 369.61	339.61
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	3625815	100.000	103.52	70.00- 130.00	100.00
15.331	15.331 (1.022)	91	7894351			187.73- 247.73	217.73
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	3339999	100.000	112.72	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	7704115			200.66- 260.66	230.66
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	5560599	100.000	114.82	70.00- 130.00	100.00
15.912	15.912 (1.061)	78	2932537			22.74- 82.74	52.74
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	3281591	100.000	114.07	70.00- 130.00	100.00
16.160	16.160 (1.077)	171	1691942			21.56- 81.56	51.56
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	4948596	100.000	107.82	70.00- 130.00	100.00
16.796	16.796 (1.120)	85	3190923			34.48- 94.48	64.48
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	10421459	100.000	111.42	70.00- 130.00	100.00
16.962	16.962 (1.131)	120	3074965			0.00- 59.51	29.51
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	9618639	100.000	109.60	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	4537725			17.18- 77.18	47.18
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	8612224	100.000	115.74	70.00- 130.00	100.00
17.460	17.460 (1.164)	120	3899225			15.28- 75.28	45.28
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	5654095	100.000	104.43	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	3588408			33.47- 93.47	63.47
17.764	17.764 (1.184)	111	2302189			10.72- 70.72	40.72
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	6433808	100.000	104.84	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	4071847			33.29- 93.29	63.29
17.847	17.847 (1.190)	111	2825564			13.92- 73.92	43.92
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	10478250	100.000	134.51	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	1953355			0.00- 48.64	18.64
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	5739495	100.000	101.86	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	3643996			33.49- 93.49	63.49
18.206	18.206 (1.214)	111	2369655			11.29- 71.29	41.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	4180509	100.000	98.337	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	3946361			64.40- 124.40	94.40
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	2946853	100.000	101.27	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	1840738			32.46- 92.46	62.46
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	12476161	100.000	108.77	70.00- 130.00	100.00
16.852	16.852 (1.123)	120	2646388			0.00- 51.21	21.21
16.824	16.824 (1.122)	105	429382			0.00- 33.44	3.44
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	10334090	100.000	109.38	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	2695876			0.00- 56.09	26.09
16.326	16.326 (1.088)	51	1525058			0.00- 44.76	14.76
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	14905046	100.000	103.72	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	1822273			0.00- 42.23	12.23
17 Isopentane					CAS #: 78-78-4		
3.414	3.414 (0.424)	43	5362846	100.000	99.968	70.00- 130.00	100.00
3.414	3.414 (0.424)	57	3369675			32.83- 92.83	62.83
3.414	3.414 (0.424)	72	322738			0.00- 36.02	6.02
11 Butane					CAS #: 106-97-8		
2.695	2.695 (0.334)	58	881469	100.000	96.440	70.00- 130.00	100.00
2.695	2.695 (0.334)	43	6754377			736.26- 796.26	766.26
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.548	10.548 (1.064)	83	3964059	100.000	108.68	70.00- 130.00	100.00
10.548	10.548 (1.064)	98	2004799			20.57- 80.57	50.57
10.548	10.548 (1.064)	55	4621112			86.58- 146.58	116.58

Report Date: 12-Sep-2007 12:23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091210.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	400221	6.25
92 1,4-Difluorobenze	1436723	862034	2011412	1522056	5.94
125 Chlorobenzene-d5	1196769	718061	1675477	1266933	5.86

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

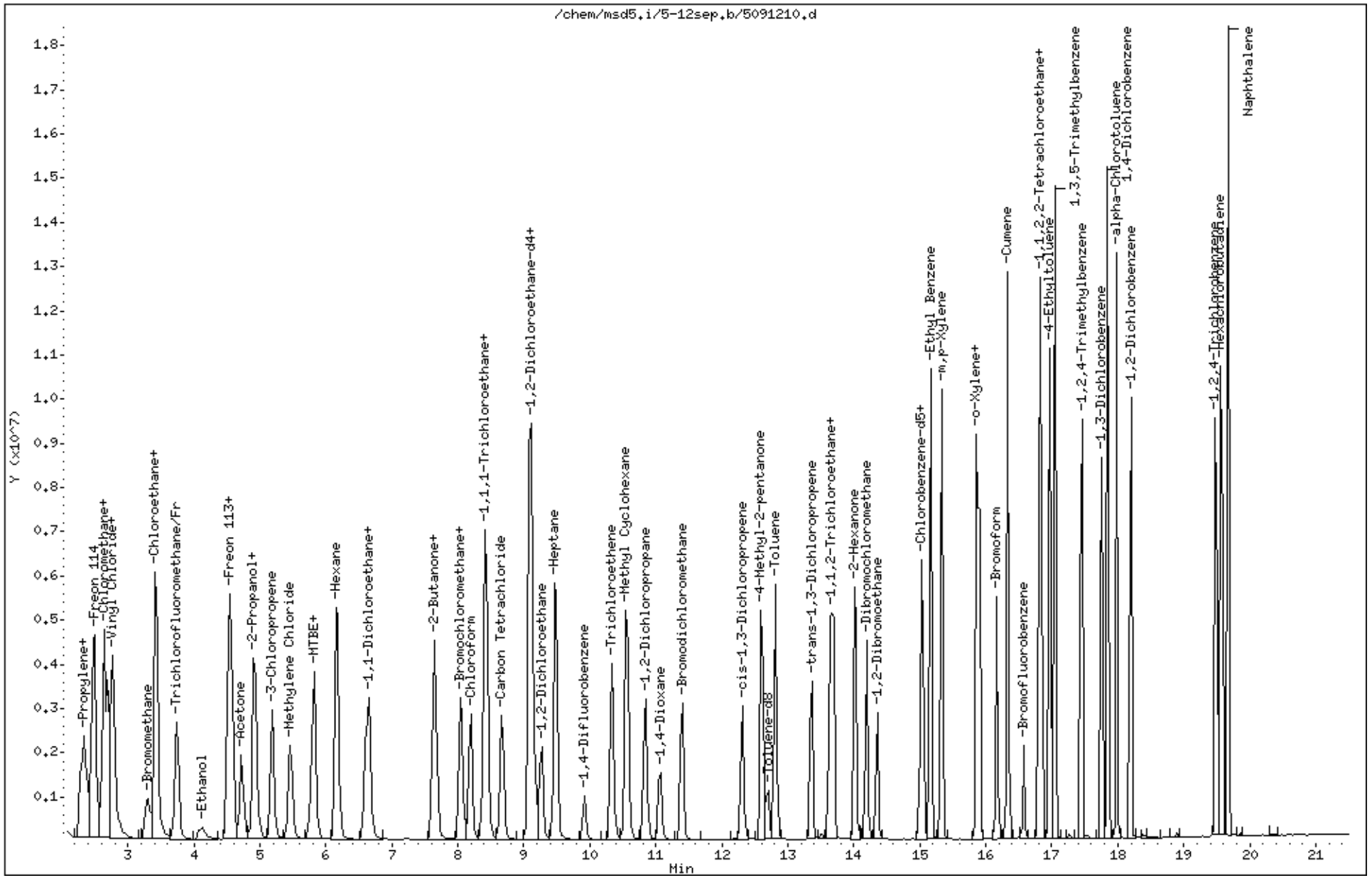
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0122

Data File: /chem/msd5.i/5-12sep.b/5091210.d
Date : 12-SEP-2007 12:07
Client ID: Level 6
Sample Info: 100mL #1443-294

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12sep.b/5091211.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 12-SEP-2007 12:39
Operator : ct Inst ID: msd5.i
Smp Info : 200mL #1443-294
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd5.i/5-12sep.b/t14q912a.m
Meth Date : 12-Sep-2007 13:05 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04MDL+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	407871	25.0000		70.00- 130.00	100.00
8.059	8.059 (1.000)	128	336851			48.04- 108.04	82.59
8.059	8.059 (1.000)	49	983702			192.32- 252.32	241.18
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.912	9.912 (1.000)	114	1633157	25.0000		70.00- 130.00	100.00
9.912	9.912 (1.000)	88	276318			0.00- 47.48	16.92
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1324636	25.0000		70.00- 130.00	100.00
14.999	14.999 (1.000)	82	778311			0.00- 30.00	58.76
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	661564	25.0000	27.504	70.00- 130.00	100.00
9.137	9.137 (1.134)	67	461082			0.00- 30.00	69.70
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1473100	25.0000	25.183	70.00- 130.00	100.00
12.704	12.704 (1.282)	70	154185			0.00- 30.00	10.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	1096989			0.00- 30.00	74.47
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	663445	25.0000	25.031	70.00- 130.00	100.00
16.575	16.575 (1.105)	95	1084727			131.34- 191.34	163.50
16.575	16.575 (1.105)	176	648229			69.24- 129.24	97.71
6 Propylene					CAS #: 115-07-1		
2.280	2.280 (0.283)	41	5947511	200.000	198.67	70.00- 130.00	100.00
2.280	2.280 (0.283)	42	3992433			0.00- 30.00	67.13
2.280	2.280 (0.283)	39	3923641			0.00- 30.00	65.97
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.336 (0.290)	85	9087660	200.000	197.33	70.00- 130.00	100.00
2.336	2.336 (0.290)	87	2909978			0.00- 30.00	32.02
9 Freon 114					CAS #: 76-14-2		
2.529	2.529 (0.314)	135	8521177	200.000	189.50	70.00- 130.00	100.00
2.529	2.529 (0.314)	137	2665980			1.77- 61.77	31.29
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	7113637	200.000	182.55	70.00- 130.00	100.00
2.640	2.640 (0.328)	52	2118415			0.00- 30.00	29.78
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.778 (0.345)	62	6900691	200.000	205.46	70.00- 130.00	100.00(A)
2.778	2.778 (0.345)	64	2137109			0.00- 30.00	30.97
12 1,3-Butadiene					CAS #: 106-99-0		
2.806	2.806 (0.348)	54	6597059	200.000	208.36	70.00- 130.00	100.00(A)
2.778	2.778 (0.345)	39	7903257			0.00- 30.00	119.80
15 Bromomethane					CAS #: 74-83-9		
3.303	3.303 (0.410)	94	4838537	200.000	208.99	70.00- 130.00	100.00(A)
3.303	3.303 (0.410)	96	4560257			65.53- 125.53	94.25
19 Chloroethane					CAS #: 75-00-3		
3.442	3.442 (0.427)	64	3670671	200.000	204.35	70.00- 130.00	100.00(A)
3.442	3.442 (0.427)	49	860795			0.00- 30.00	23.45
3.442	3.442 (0.427)	66	878213			0.00- 30.00	23.93
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	10395798	200.000	201.60	70.00- 130.00	100.00(A)
3.746	3.746 (0.465)	103	6723051			34.64- 94.64	64.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.160	4.160 (0.516)	45	2700598	200.000	199.31	70.00- 130.00	100.00
4.160	4.160 (0.516)	43	484929			0.00- 30.00	17.96
4.160	4.160 (0.516)	46	1152976			0.00- 30.00	42.69
30 Freon 113					CAS #: 76-13-1		
4.548	4.548 (0.564)	151	6669099	200.000	198.96	70.00- 130.00	100.00
4.548	4.548 (0.564)	153	4206052			32.78- 92.78	63.07
4.548	4.548 (0.564)	101	9014778			105.88- 165.88	135.17
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.575 (0.568)	61	8970877	200.000	206.61	70.00- 130.00	100.00(A)
4.603	4.603 (0.571)	96	5089129			25.13- 85.13	56.73
4.603	4.603 (0.571)	98	3253640			6.97- 66.97	36.27
32 Acetone					CAS #: 67-64-1		
4.713	4.713 (0.585)	58	3574146	200.000	211.71	70.00- 130.00	100.00(A)
4.713	4.713 (0.585)	43	10688006			0.00- 30.00	299.04
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	13760840	200.000	214.86	70.00- 130.00	100.00(A)
4.935	4.935 (0.612)	43	2667521			0.00- 30.00	19.38
4.935	4.935 (0.612)	59	502296			0.00- 30.00	3.65
35 Carbon Disulfide					CAS #: 75-15-0		
4.935	4.935 (0.612)	76	15322751	200.000	204.38	70.00- 130.00	100.00(A)
38 3-Chloropropene					CAS #: 107-05-1		
5.211	5.211 (0.647)	76	2425064	200.000	196.39	70.00- 130.00	100.00
5.211	5.211 (0.647)	41	10068216			0.00- 30.00	415.17
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.677)	49	7676299	200.000	197.21	70.00- 130.00	100.00
5.460	5.460 (0.677)	84	4316920			24.30- 84.30	56.24
5.460	5.460 (0.677)	51	2388263			0.00- 30.00	31.11
46 MTBE					CAS #: 1634-04-4		
5.764	5.764 (0.715)	73	3054146	200.000	130.81	70.00- 130.00	100.00
5.764	5.764 (0.715)	57	1008779			3.60- 63.60	33.03
5.764	5.764 (0.715)	41	1062380			0.00- 30.00	34.78
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.819 (0.722)	96	5579155	200.000	195.30	70.00- 130.00	100.00
5.819	5.819 (0.722)	61	9178660			130.11- 190.11	164.52
5.819	5.819 (0.722)	98	3568415			0.00- 30.00	63.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.179	6.179 (0.767)	57	11923755	200.000	211.93	70.00- 130.00	100.00(A)
6.151	6.151 (0.763)	43	8342224			0.00- 30.00	69.96
6.179	6.179 (0.767)	86	1610161			0.00- 30.00	13.50
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.594 (0.818)	63	10043113	200.000	205.67	70.00- 130.00	100.00(A)
6.594	6.594 (0.818)	65	2996008			0.62- 60.62	29.83
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	2484987	200.000	220.19	70.00- 130.00	100.00(A)
7.644	7.644 (0.949)	43	14778117			582.09- 642.09	594.70
7.672	7.672 (0.952)	57	1038467			0.00- 30.00	41.79
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.617 (0.945)	61	7458843	200.000	202.86	70.00- 130.00	100.00(A)
7.644	7.644 (0.949)	96	4945172			36.07- 96.07	66.30
7.644	7.644 (0.949)	98	3160443			12.20- 72.20	42.37
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.031 (0.997)	42	8976270	200.000	194.67	70.00- 130.00	100.00
8.031	8.031 (0.997)	71	2181558			0.00- 53.51	24.30
8.031	8.031 (0.997)	72	2423473			0.00- 30.00	27.00
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	8324898	200.000	197.69	70.00- 130.00	100.00
8.197	8.197 (1.017)	85	5401626			34.40- 94.40	64.89
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	8185166	200.000	210.72	70.00- 130.00	100.00(A)
8.446	8.446 (1.048)	99	5296895			34.17- 94.17	64.71
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.418 (1.045)	84	6663710	200.000	210.72	70.00- 130.00	100.00(A)
8.418	8.418 (1.045)	56	10997726			132.70- 192.70	165.04
8.418	8.418 (1.045)	41	6135834			62.58- 122.58	92.08
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	1390986	200.000	235.88	70.00- 130.00	100.00(A)
6.649	6.649 (0.825)	43	19012397			0.00- 30.00	1366.83
6.649	6.649 (0.825)	42	1377982			0.00- 30.00	99.07
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.667 (1.075)	119	7074874	200.000	214.23	70.00- 130.00	100.00(A)
8.667	8.667 (1.075)	117	7347961			74.66- 134.66	103.86

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	32848677	200.000	220.16	70.00- 130.00	100.00(A)
9.110	9.110 (1.130)	56	10594737			0.00- 30.00	32.25
9.110	9.110 (1.130)	41	8416657			0.00- 30.00	25.62
81 Benzene					CAS #: 71-43-2		
9.082	9.082 (0.916)	78	13564184	200.000	187.33	70.00- 130.00	100.00
9.082	9.082 (0.916)	77	3075201			0.00- 30.00	22.67
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	6515993	200.000	201.00	70.00- 130.00	100.00(A)
9.276	9.276 (0.936)	64	2043442			0.00- 30.00	31.36
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	1646691	200.000	197.36	70.00- 130.00	100.00
9.469	9.469 (0.955)	43	13490240			0.00- 30.00	819.23
9.497	9.497 (0.958)	71	4887627			0.00- 30.00	296.82
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	5510916	200.000	201.73	70.00- 130.00	100.00(A)
10.326	10.326 (1.042)	130	5147818			66.49- 126.49	93.41
10.326	10.326 (1.042)	97	3536297			33.34- 93.34	64.17
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	5312936	200.000	193.50	70.00- 130.00	100.00
10.852	10.852 (1.095)	62	3830536			39.46- 99.46	72.10
10.852	10.852 (1.095)	41	3756908			42.31- 102.31	70.71
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	3989655	200.000	194.77	70.00- 130.00	100.00
11.073	11.073 (1.117)	58	3872026			67.83- 127.83	97.05
11.073	11.073 (1.117)	57	1218430			0.00- 30.00	30.54
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	8030265	200.000	212.13	70.00- 130.00	100.00(A)
11.405	11.405 (1.151)	85	5156045			33.91- 93.91	64.21
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	6078516	200.000	219.81	70.00- 130.00	100.00(A)
12.317	12.317 (1.243)	77	1936923			1.87- 61.87	31.87
12.317	12.317 (1.243)	39	4645108			45.66- 105.66	76.42
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.594	12.594 (1.271)	58	5527433	200.000	225.60	70.00- 130.00	100.00(A)
12.594	12.594 (1.271)	43	15801535			0.00- 30.00	285.87
12.594	12.594 (1.271)	85	1769186			0.00- 30.00	32.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	13931797	200.000	207.79	70.00- 130.00	100.00(A)
12.815	12.815 (1.293)	92	8287478			30.30- 90.30	59.49
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	6449356	200.000	233.82	70.00- 130.00	100.00(A)
13.368	13.368 (0.891)	77	2043000			1.10- 61.10	31.68
13.368	13.368 (0.891)	39	4554969			43.72- 103.72	70.63
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	4629867	200.000	199.09	70.00- 130.00	100.00
13.644	13.644 (0.910)	99	2878282			31.14- 91.14	62.17
13.644	13.644 (0.910)	83	3784821			54.39- 114.39	81.75
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	5229815	200.000	192.75	70.00- 130.00	100.00
13.700	13.700 (0.913)	129	4261891			51.10- 111.10	81.49
13.700	13.700 (0.913)	131	4138811			46.73- 106.73	79.14
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.004 (0.934)	58	8284181	200.000	219.12	70.00- 130.00	100.00(A)
14.004	14.004 (0.934)	43	17183432			176.43- 236.43	207.42
14.031	14.031 (0.935)	100	1282584			0.00- 30.00	15.48
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	7230696	200.000	223.45	70.00- 130.00	100.00(A)
14.197	14.197 (0.947)	127	5617497			0.00- 30.00	77.69
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	7239163	200.000	212.92	70.00- 130.00	100.00(A)
14.363	14.363 (0.958)	109	6738146			63.31- 123.31	93.08
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	10755351	200.000	205.04	70.00- 130.00	100.00(A)
15.054	15.054 (1.004)	114	3366972			1.73- 61.73	31.31
15.027	15.027 (1.002)	77	6700988			33.09- 93.09	62.30
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	5826452	200.000	196.41	70.00- 130.00	100.00
15.165	15.165 (1.011)	91	18454376			0.00- 30.00	316.73
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	7362743	200.000	200.88	70.00- 130.00	100.00(A)
15.331	15.331 (1.022)	91	16197661			0.00- 30.00	219.99
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	6765976	200.000	215.11	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
132 o-Xylene (continued)							
15.856	15.856 (1.057)	91	15609355			193.91- 253.91	230.70
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	11434942	200.000	221.74	70.00- 130.00	100.00(A)
15.912	15.912 (1.061)	78	6021601			23.21- 83.21	52.66
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	6634954	200.000	216.87	70.00- 130.00	100.00(A)
16.160	16.160 (1.077)	171	3533115			19.49- 79.49	53.25
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	9874796	200.000	204.80	70.00- 130.00	100.00(A)
16.796	16.796 (1.120)	85	6381657			36.45- 96.45	64.63
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	21044873	200.000	212.50	70.00- 130.00	100.00(A)
16.962	16.962 (1.131)	120	6128743			0.00- 59.05	29.12
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	16906304	200.000	186.69	70.00- 130.00	100.00
17.045	17.045 (1.136)	120	8688143			0.00- 30.00	51.39
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	17477606	200.000	220.12	70.00- 130.00	100.00(A)
17.460	17.460 (1.164)	120	7972767			16.04- 76.04	45.62
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	11089665	200.000	196.57	70.00- 130.00	100.00
17.764	17.764 (1.184)	148	6974859			0.00- 30.00	62.90
17.764	17.764 (1.184)	111	4583851			0.00- 30.00	41.33
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	12393878	200.000	194.28	70.00- 130.00	100.00
17.847	17.847 (1.190)	148	7816891			0.00- 30.00	63.07
17.847	17.847 (1.190)	111	5493065			0.00- 30.00	44.32
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	14878880	200.000	185.36	70.00- 130.00	100.00
17.985	17.985 (1.199)	126	4027251			0.00- 30.00	27.07
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	11164852	200.000	191.19	70.00- 130.00	100.00
18.206	18.206 (1.214)	148	7097832			33.11- 93.11	63.57
18.206	18.206 (1.214)	111	4725971			10.71- 70.71	42.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	8130888	200.000	186.11	70.00- 130.00	100.00
19.506	19.506 (1.300)	182	7634572			65.19- 125.19	93.90
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	5598915	200.000	187.01	70.00- 130.00	100.00
19.589	19.589 (1.306)	223	3434669			31.53- 91.53	61.35
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	24860221	200.000	206.04	70.00- 130.00	100.00(A)
16.852	16.852 (1.123)	120	5328541			0.00- 30.00	21.43
16.824	16.824 (1.122)	105	863526			0.00- 30.00	3.47
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	18155030	200.000	185.94	70.00- 130.00	100.00
16.326	16.326 (1.088)	120	5335962			0.00- 30.00	29.39
16.326	16.326 (1.088)	51	3066164			0.00- 30.00	16.89
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	16288055	200.000	119.33	70.00- 130.00	100.00
19.672	19.672 (1.312)	127	3677566			0.00- 30.00	22.58
17 Isopentane					CAS #: 78-78-4		
3.442	3.442 (0.427)	43	10798739	200.000	198.01	70.00- 130.00	100.00
3.442	3.442 (0.427)	57	6725754			0.00- 30.00	62.28
3.442	3.442 (0.427)	72	645042			0.00- 30.00	5.97
11 Butane					CAS #: 106-97-8		
2.750	2.750 (0.341)	58	1745472	200.000	189.78	70.00- 130.00	100.00
2.750	2.750 (0.341)	43	13567262			0.00- 30.00	777.28
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.547 (1.064)	83	8138180	200.000	206.57	70.00- 130.00	100.00(A)
10.575	10.575 (1.067)	98	3989561			0.00- 30.00	49.02
10.547	10.547 (1.064)	55	9439494			0.00- 30.00	115.99

QC Flag Legend

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

Report Date: 12-Sep-2007 13:05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5091211.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd5.i/5-12sep.b/t14q912a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 12-SEP-2007
Calibration Time: 11:39
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376675	226005	527345	407871	8.28
92 1,4-Difluorobenze	1436723	862034	2011412	1633157	13.67
125 Chlorobenzene-d5	1196769	718061	1675477	1324636	10.68

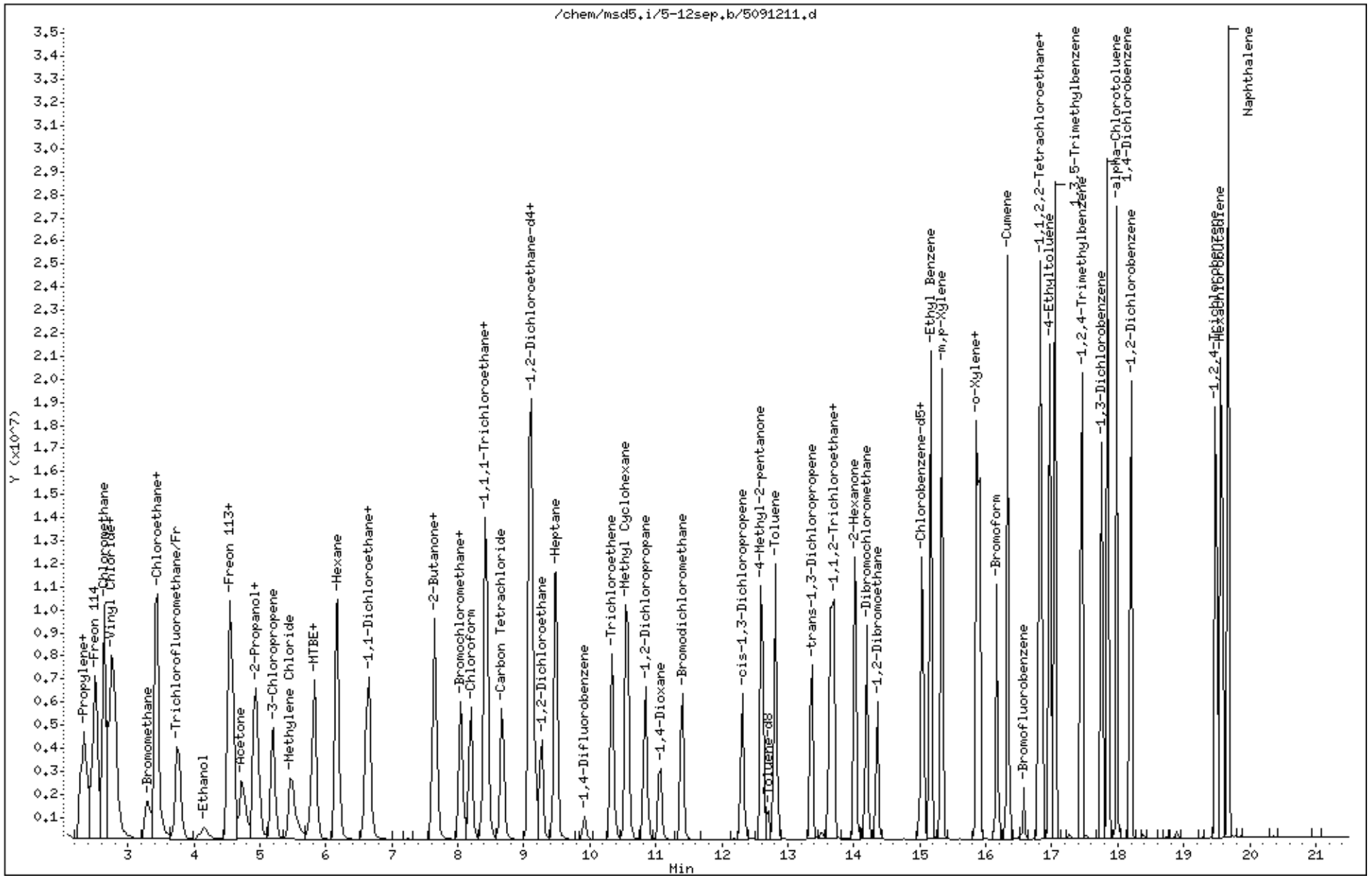
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.91	9.58	10.24	9.91	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

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

Data File: /chem/msd5.i/5-12sep.b/5091211.d
Date : 12-SEP-2007 12:39
Client ID: Level 7
Sample Info: 200mL #1443-294

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709284-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 08:28 AM**	

Compound	%Recovery
Freon 12	98
Freon 114	108
Vinyl Chloride	103
Bromomethane	103
Chloroethane	99
Freon 11	107
1,1-Dichloroethene	102
Freon 113	111
Methylene Chloride	102
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	95
Chloroform	96
1,1,1-Trichloroethane	106
Carbon Tetrachloride	109
Benzene	90
1,2-Dichloroethane	109
Trichloroethene	100
1,2-Dichloropropane	89
cis-1,3-Dichloropropene	99
Toluene	96
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	103
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	107
Chlorobenzene	103
Ethyl Benzene	99
m,p-Xylene	99
o-Xylene	107
Styrene	109
1,1,2,2-Tetrachloroethane	99
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	121
1,2-Dichlorobenzene	106
1,3-Butadiene	106
Hexane	98
Cyclohexane	95

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709284-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 08:28 AM**	

Compound	%Recovery
Heptane	95
Bromodichloromethane	106
Dibromochloromethane	114
Cumene	108
Propylbenzene	103
Chloromethane	107
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	111
Acetone	95
Carbon Disulfide	100
2-Propanol	91
trans-1,2-Dichloroethene	96
2-Butanone (Methyl Ethyl Ketone)	89
Tetrahydrofuran	87
1,4-Dioxane	66 Q
4-Methyl-2-pentanone	91
2-Hexanone	84
Bromoform	108
4-Ethyltoluene	106
Ethanol	89
Methyl tert-butyl ether	64 Q
3-Chloropropene	95
2,2,4-Trimethylpentane	95
Naphthalene	108

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 25-SEP-2007 08:28
Lab File ID: 5092502.d Init. Cal. Date(s): 12-SEP-2007 12-SEP-2007
Analysis Type: AIR Init. Cal. Times: 09:48 12:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-25sep.b/t14q912a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 84 1,2-Dichloroethane-d4	1.47435	1.55443	0.010	-5.43165	30.00000	Averaged	
$ 107 Toluene-d8	0.89543	0.88278	0.010	1.41356	30.00000	Averaged	
$ 138 Bromofluorobenzene	0.50024	0.52726	0.010	-5.40306	30.00000	Averaged	
6 Propylene	1.83491	1.85789	0.010	-1.25247	30.00000	Averaged	
8 Dichlorodifluoromethane/Fr1	2.82278	2.78031	0.010	1.50453	30.00000	Averaged	
9 Freon 114	2.75611	2.97962	0.010	-8.10980	30.00000	Averaged	
10 Chloromethane	2.38847	2.55445	0.010	-6.94908	30.00000	Averaged	
13 Vinyl Chloride	2.05863	2.12866	0.010	-3.40191	30.00000	Averaged	
12 1,3-Butadiene	1.94063	2.05160	0.010	-5.71822	30.00000	Averaged	
15 Bromomethane	1.41906	1.46111	0.010	-2.96307	30.00000	Averaged	
19 Chloroethane	1.10100	1.09347	0.010	0.68328	30.00000	Averaged	
20 Trichlorofluoromethane/Fr11	3.16067	3.37195	0.010	-6.68474	30.00000	Averaged	
26 Ethanol	0.83051	0.73787	0.010	11.15485	30.00000	Averaged	
30 Freon 113	2.05460	2.28381	0.010	-11.15568	30.00000	Averaged	
31 1,1-Dichloroethene	2.66132	2.71679	0.010	-2.08405	30.00000	Averaged	
32 Acetone	1.03476	0.98377	0.010	4.92742	30.00000	Averaged	
36 2-Propanol	3.92569	3.56780	0.010	9.11665	30.00000	Averaged	
35 Carbon Disulfide	4.59527	4.57740	0.010	0.38880	30.00000	Averaged	
38 3-Chloropropene	0.75687	0.72053	0.010	4.80026	30.00000	Averaged	
43 Methylene Chloride	2.38581	2.43608	0.010	-2.10667	30.00000	Averaged	
46 MTBE	1.43105	0.92307	0.010	35.49691	30.00000	Averaged	<-
47 trans-1,2-Dichloroethene	1.75094	1.67858	0.010	4.13309	30.00000	Averaged	
51 Hexane	3.44857	3.39881	0.010	1.44300	30.00000	Averaged	
55 1,1-Dichloroethane	2.99300	2.88613	0.010	3.57079	30.00000	Averaged	
67 2-Butanone	0.69174	0.61319	0.010	11.35561	30.00000	Averaged	
66 cis-1,2-Dichloroethene	2.25366	2.14497	0.010	4.82307	30.00000	Averaged	
70 Tetrahydrofuran	2.82628	2.46241	0.010	12.87460	30.00000	Averaged	
72 Chloroform	2.58114	2.49309	0.010	3.41124	30.00000	Averaged	
75 1,1,1-Trichloroethane	2.38091	2.51192	0.010	-5.50237	30.00000	Averaged	
74 Cyclohexane	1.93836	1.84270	0.010	4.93507	30.00000	Averaged	
56 Vinyl Acetate	0.36145	0.35405	0.010	2.04698	30.00000	Averaged	
77 Carbon Tetrachloride	2.02419	2.20990	0.010	-9.17489	30.00000	Averaged	
80 2,2,4-Trimethylpentane	9.14502	8.65875	0.010	5.31735	30.00000	Averaged	
81 Benzene	1.10839	1.00419	0.010	9.40171	30.00000	Averaged	
85 1,2-Dichloroethane	0.49624	0.54203	0.010	-9.22615	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 25-SEP-2007 08:28
Lab File ID: 5092502.d Init. Cal. Date(s): 12-SEP-2007 12-SEP-2007
Analysis Type: AIR Init. Cal. Times: 09:48 12:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-25sep.b/t14q912a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
90 Heptane	0.12772	0.12165	0.010	4.75431	30.00000	Averaged	
93 Trichloroethene	0.41819	0.41660	0.010	0.37857	30.00000	Averaged	
98 1,2-Dichloropropane	0.42031	0.37582	0.010	10.58459	30.00000	Averaged	
99 1,4-Dioxane	0.31357	0.20607	0.010	34.28151	30.00000	Averaged	<-
100 Bromodichloromethane	0.57949	0.61356	0.010	-5.87895	30.00000	Averaged	
103 cis-1,3-Dichloropropene	0.42331	0.41950	0.010	0.89986	30.00000	Averaged	
106 4-Methyl-2-pentanone	0.37505	0.34302	0.010	8.54127	30.00000	Averaged	
108 Toluene	1.02633	0.98345	0.010	4.17817	30.00000	Averaged	
113 trans-1,3-Dichloropropene	0.52057	0.57399	0.010	-10.26238	30.00000	Averaged	
114 1,1,2-Trichloroethane	0.43890	0.45253	0.010	-3.10435	30.00000	Averaged	
116 Tetrachloroethene	0.51208	0.55207	0.010	-7.80887	30.00000	Averaged	
119 2-Hexanone	0.71353	0.59933	0.010	16.00399	30.00000	Averaged	
120 Dibromochloromethane	0.61073	0.69591	0.010	-13.94876	30.00000	Averaged	
122 1,2-Dibromoethane	0.64166	0.68704	0.010	-7.07160	30.00000	Averaged	
126 Chlorobenzene	0.99001	1.02388	0.010	-3.42071	30.00000	Averaged	
128 Ethyl Benzene	0.55987	0.55420	0.010	1.01225	30.00000	Averaged	
130 m,p-Xylene	0.69174	0.68336	0.010	1.21112	30.00000	Averaged	
132 o-Xylene	0.59364	0.63409	0.010	-6.81465	30.00000	Averaged	
133 Styrene	0.97325	1.06317	0.010	-9.23925	30.00000	Averaged	
134 Bromoform	0.57742	0.62606	0.010	-8.42420	30.00000	Averaged	
141 1,1,2,2-Tetrachloroethane	0.91001	0.90350	0.010	0.71576	30.00000	Averaged	
144 4-Ethyltoluene	1.86904	1.98062	0.010	-5.96958	30.00000	Averaged	
147 1,3,5-Trimethylbenzene	1.70908	1.84296	0.010	-7.83338	30.00000	Averaged	
152 1,2,4-Trimethylbenzene	1.49852	1.64737	0.010	-9.93253	30.00000	Averaged	
155 1,3-Dichlorobenzene	1.06474	1.12412	0.010	-5.57682	30.00000	Averaged	
156 1,4-Dichlorobenzene	1.20401	1.26769	0.010	-5.28883	30.00000	Averaged	
157 alpha-Chlorotoluene	1.51497	1.82753	0.010	-20.63154	30.00000	Averaged	
159 1,2-Dichlorobenzene	1.10211	1.17373	0.010	-6.49915	30.00000	Averaged	
163 1,2,4-Trichlorobenzene	0.82455	0.80376	0.010	2.52153	30.00000	Averaged	
164 Hexachlorobutadiene	0.56505	0.62631	0.010	-10.84190	30.00000	Averaged	
142 Propylbenzene	2.27721	2.33830	0.010	-2.68270	30.00000	Averaged	
136 Cumene	1.84275	1.99567	0.010	-8.29798	30.00000	Averaged	
165 Naphthalene	2.57606	2.78343	0.010	-8.04994	30.00000	Averaged	
17 Isopentane	3.34270	3.37961	0.010	-1.10437	30.00000	Averaged	
11 Butane	0.56374	0.55108	0.010	2.24577	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i Injection Date: 25-SEP-2007 08:28
Lab File ID: 5092502.d Init. Cal. Date(s): 12-SEP-2007 12-SEP-2007
Analysis Type: AIR Init. Cal. Times: 09:48 12:39
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd5.i/5-25sep.b/t14q912a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Methyl Cyclohexane	0.60307	0.56367	0.010	6.53383	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-25sep.b/5092502.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 25-SEP-2007 08:28
Operator : lmr Inst ID: msd5.i
Smp Info : 50mL #1576-19
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd5.i/5-25sep.b/t14q912a.m
Meth Date : 25-Sep-2007 08:47 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 71 Bromochloromethane						CAS #: 74-97-5		
8.059	8.059 (1.000)	130	376371	25.0000		80.00- 120.00		100.00
8.059	8.059 (1.000)	128	295962			48.64- 108.64		78.64
8.059	8.059 (1.000)	49	857077			197.72- 257.72		227.72
* 92 1,4-Difluorobenzene						CAS #: 540-36-3		
9.939	9.939 (1.000)	114	1399701	25.0000		80.00- 120.00		100.00
9.912	9.912 (1.000)	88	236304			0.00- 46.88		16.88
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	1072117	25.0000		80.00- 120.00		100.00
14.999	14.999 (1.000)	82	631149			0.00- 30.00		58.87
$ 84 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	585041	25.0000	26.358	80.00- 120.00		100.00
9.137	9.137 (1.134)	67	310866			0.00- 30.00		53.14
$ 107 Toluene-d8						CAS #: 2037-26-5		
12.704	12.704 (1.278)	98	1235623	25.0000	24.647	80.00- 120.00		100.00
12.704	12.704 (1.278)	70	126120			0.00- 30.00		10.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.278)	100	827515			0.00- 30.00	66.97
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	565289	25.0000	26.351	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	894101			128.17- 188.17	158.17
16.575	16.575 (1.105)	176	545874			66.57- 126.57	96.57
6 Propylene					CAS #: 115-07-1		
2.308	2.308 (0.286)	41	1398510	50.0000	50.626	80.00- 120.00	100.00
2.308	2.308 (0.286)	42	918500			0.00- 30.00	65.68
2.308	2.308 (0.286)	39	917691			0.00- 30.00	65.62
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.363	2.363 (0.293)	85	2092857	50.0000	49.248	80.00- 120.00	100.00
2.391	2.391 (0.297)	87	685732			0.00- 30.00	32.77
9 Freon 114					CAS #: 76-14-2		
2.502	2.502 (0.310)	135	2242887	50.0000	54.055	80.00- 120.00	100.00
2.502	2.502 (0.310)	137	715662			1.91- 61.91	31.91
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	1922842	50.0000	53.474	80.00- 120.00	100.00
2.640	2.640 (0.328)	52	572089			0.00- 30.00	29.75
13 Vinyl Chloride					CAS #: 75-01-4		
2.806	2.806 (0.348)	62	1602333	50.0000	51.701	80.00- 120.00	100.00
2.806	2.806 (0.348)	64	489826			0.00- 30.00	30.57
12 1,3-Butadiene					CAS #: 106-99-0		
2.778	2.778 (0.345)	54	1544324	50.0000	52.859	80.00- 120.00	100.00
2.778	2.778 (0.345)	39	1782149			0.00- 30.00	115.40
15 Bromomethane					CAS #: 74-83-9		
3.331	3.331 (0.413)	94	1099837	50.0000	51.482	80.00- 120.00	100.00
3.331	3.331 (0.413)	96	1028256			63.49- 123.49	93.49
19 Chloroethane					CAS #: 75-00-3		
3.442	3.442 (0.427)	64	823104	50.0000	49.658	80.00- 120.00	100.00
3.442	3.442 (0.427)	49	244840			0.00- 30.00	29.75
3.442	3.442 (0.427)	66	235825			0.00- 30.00	28.65
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	2538211	50.0000	53.342	80.00- 120.00	100.00
3.746	3.746 (0.465)	103	1647619			34.91- 94.91	64.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.105	4.105 (0.509)	45	555425	50.0000	44.422	80.00- 120.00	100.00
4.133	4.133 (0.513)	43	110417			0.00- 30.00	19.88
4.105	4.105 (0.509)	46	211822			0.00- 30.00	38.14
30 Freon 113					CAS #: 76-13-1		
4.548	4.548 (0.564)	151	1719118	50.0000	55.578	80.00- 120.00	100.00
4.548	4.548 (0.564)	153	1091621			33.50- 93.50	63.50
4.548	4.548 (0.564)	101	2191086			97.45- 157.45	127.45
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.603	4.603 (0.571)	61	2045039	50.0000	51.042	80.00- 120.00	100.00
4.603	4.603 (0.571)	96	1166810			27.06- 87.06	57.06
4.603	4.603 (0.571)	98	749564			6.65- 66.65	36.65
32 Acetone					CAS #: 67-64-1		
4.741	4.741 (0.588)	58	740525	50.0000	47.536	80.00- 120.00	100.00
4.741	4.741 (0.588)	43	2377398			0.00- 30.00	321.04
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	2685635	50.0000	45.442	80.00- 120.00	100.00
4.935	4.935 (0.612)	43	623954			0.00- 30.00	23.23
4.935	4.935 (0.612)	59	94457			0.00- 30.00	3.52
35 Carbon Disulfide					CAS #: 75-15-0		
4.935	4.935 (0.612)	76	3445602	50.0000	49.806	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.211	5.211 (0.647)	76	542376	50.0000	47.600	80.00- 120.00	100.00
5.211	5.211 (0.647)	41	2288335			0.00- 30.00	421.91
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.678)	49	1833736	50.0000	51.053	80.00- 120.00	100.00
5.460	5.460 (0.678)	84	965873			22.67- 82.67	52.67
5.460	5.460 (0.678)	51	552396			0.00- 30.00	30.12
46 MTBE					CAS #: 1634-04-4		
5.792	5.792 (0.719)	73	694835	50.0000	32.252	80.00- 120.00	100.00
5.792	5.792 (0.719)	57	226780			2.64- 62.64	32.64
5.792	5.792 (0.719)	41	272617			0.00- 30.00	39.23
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.847	5.847 (0.726)	96	1263535	50.0000	47.933	80.00- 120.00	100.00
5.847	5.847 (0.726)	61	2017849			129.70- 189.70	159.70
5.847	5.847 (0.726)	98	807969			0.00- 30.00	63.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.179	6.179 (0.767)	57	2558426	50.0000	49.278	80.00- 120.00	100.00
6.179	6.179 (0.767)	43	1878725			0.00- 30.00	73.43
6.179	6.179 (0.767)	86	351598			0.00- 30.00	13.74
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.621	6.621 (0.822)	63	2172509	50.0000	48.215	80.00- 120.00	100.00
6.621	6.621 (0.822)	65	659684			0.37- 60.37	30.37
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	461571	50.0000	44.322	80.00- 120.00	100.00
7.672	7.672 (0.952)	43	3060908			633.15- 693.15	663.15
7.672	7.672 (0.952)	57	199016			0.00- 30.00	43.12
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.644	7.644 (0.949)	61	1614608	50.0000	47.588	80.00- 120.00	100.00
7.644	7.644 (0.949)	96	1076344			36.66- 96.66	66.66
7.644	7.644 (0.949)	98	698750			13.28- 73.28	43.28
70 Tetrahydrofuran					CAS #: 109-99-9		
8.059	8.059 (1.000)	42	1853557	50.0000	43.563	80.00- 120.00	100.00
8.059	8.059 (1.000)	71	402458			0.00- 51.71	21.71
8.059	8.059 (1.000)	72	468281			0.00- 30.00	25.26
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1876654	50.0000	48.294	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1219520			34.98- 94.98	64.98
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	1890825	50.0000	52.751	80.00- 120.00	100.00
8.446	8.446 (1.048)	99	1230681			35.09- 95.09	65.09
74 Cyclohexane					CAS #: 110-82-7		
8.419	8.419 (1.045)	84	1387075	50.0000	47.532	80.00- 120.00	100.00
8.419	8.419 (1.045)	56	2242612			131.68- 191.68	161.68
8.419	8.419 (1.045)	41	1366931			68.55- 128.55	98.55
56 Vinyl Acetate					CAS #: 108-05-4		
6.677	6.677 (0.828)	86	266510	50.0000	48.976	80.00- 120.00	100.00
6.677	6.677 (0.828)	43	3735759			0.00- 30.00	1401.73
6.677	6.677 (0.828)	42	286914			0.00- 30.00	107.66
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.695	8.695 (1.079)	119	1663488	50.0000	54.587	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1696048			71.96- 131.96	101.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	6517806	50.0000	47.341	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	2105166			0.00- 30.00	32.30
9.110	9.110 (1.130)	41	1876531			0.00- 30.00	28.79
81 Benzene					CAS #: 71-43-2		
9.110	9.110 (0.917)	78	2811122	50.0000	45.299	80.00- 120.00	100.00
9.110	9.110 (0.917)	77	650412			0.00- 30.00	23.14
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.933)	62	1517352	50.0000	54.613	80.00- 120.00	100.00
9.276	9.276 (0.933)	64	484224			0.00- 30.00	31.91
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.955)	100	340536	50.0000	47.623	80.00- 120.00	100.00
9.497	9.497 (0.955)	43	2821285			0.00- 30.00	828.48
9.497	9.497 (0.955)	71	957471			0.00- 30.00	281.17
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.039)	95	1166240	50.0000	49.811	80.00- 120.00	100.00
10.354	10.354 (1.042)	130	1148409			68.47- 128.47	98.47
10.326	10.326 (1.039)	97	758934			35.08- 95.08	65.08
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.092)	63	1052084	50.0000	44.708	80.00- 120.00	100.00
10.852	10.852 (1.092)	62	758421			42.09- 102.09	72.09
10.852	10.852 (1.092)	41	875397			53.21- 113.21	83.21
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.114)	88	576874	50.0000	32.859	80.00- 120.00	100.00
11.073	11.073 (1.114)	58	573051			69.34- 129.34	99.34
11.073	11.073 (1.114)	57	185059			0.00- 30.00	32.08
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.147)	83	1717600	50.0000	52.939	80.00- 120.00	100.00
11.405	11.405 (1.147)	85	1093262			33.65- 93.65	63.65
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.239)	75	1174350	50.0000	49.550	80.00- 120.00	100.00
12.317	12.317 (1.239)	77	366747			1.23- 61.23	31.23
12.317	12.317 (1.239)	39	988947			54.21- 114.21	84.21
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.621	12.621 (1.270)	58	960239	50.0000	45.729	80.00- 120.00	100.00
12.594	12.594 (1.267)	43	2897367			0.00- 30.00	301.73
12.621	12.621 (1.270)	85	302711			0.00- 30.00	31.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.289)	91	2753074	50.0000	47.911	80.00- 120.00	100.00
12.815	12.815 (1.289)	92	1626919			29.09- 89.09	59.09
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1230778	50.0000	55.131	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	395246			2.11- 62.11	32.11
13.368	13.368 (0.891)	39	964222			48.34- 108.34	78.34
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	970320	50.0000	51.552	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	596669			31.49- 91.49	61.49
13.644	13.644 (0.910)	83	771401			49.50- 109.50	79.50
116 Tetrachloroethene					CAS #: 127-18-4		
13.700	13.700 (0.913)	166	1183764	50.0000	53.904	80.00- 120.00	100.00
13.700	13.700 (0.913)	129	942336			49.61- 109.61	79.61
13.700	13.700 (0.913)	131	910779			46.94- 106.94	76.94
119 2-Hexanone					CAS #: 591-78-6		
14.031	14.031 (0.935)	58	1285110	50.0000	41.998	80.00- 120.00	100.00
14.031	14.031 (0.935)	43	2831476			190.33- 250.33	220.33
14.031	14.031 (0.935)	100	202310			0.00- 30.00	15.74
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1492202	50.0000	56.974	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1181038			0.00- 30.00	79.15
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1473167	50.0000	53.536	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1403258			65.25- 125.25	95.25
126 Chlorobenzene					CAS #: 108-90-7		
15.054	15.054 (1.004)	112	2195429	50.0000	51.710	80.00- 120.00	100.00
15.054	15.054 (1.004)	114	698817			1.83- 61.83	31.83
15.027	15.027 (1.002)	77	1333431			30.74- 90.74	60.74
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1188340	50.0000	49.494	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	3959228			0.00- 30.00	333.17
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1465285	50.0000	49.394	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	3256170			0.00- 30.00	222.22
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1359640	50.0000	53.407	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)							
15.856	15.856 (1.057)	91	3158480			202.30- 262.30	232.30
133 Styrene					CAS #: 100-42-5		
15.912	15.912 (1.061)	104	2279684	50.0000	54.620	80.00- 120.00	100.00
15.912	15.912 (1.061)	78	1251423			24.89- 84.89	54.89
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1342418	50.0000	54.212	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	691452			21.51- 81.51	51.51
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	1937317	50.0000	49.642	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1292659			36.72- 96.72	66.72
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	4246907	50.0000	52.985	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1245892			0.00- 59.34	29.34
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	3951744	50.0000	53.917	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	1829149			0.00- 30.00	46.29
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	3532337	50.0000	54.966	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1637587			16.36- 76.36	46.36
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2410374	50.0000	52.788	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1534198			0.00- 30.00	63.65
17.764	17.764 (1.184)	111	965858			0.00- 30.00	40.07
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	2718222	50.0000	52.644	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1692032			0.00- 30.00	62.25
17.847	17.847 (1.190)	111	1195490			0.00- 30.00	43.98
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	3918660	50.0000	60.316	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	745375			0.00- 30.00	19.02
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2516758	50.0000	53.250	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1581557			32.84- 92.84	62.84
18.206	18.206 (1.214)	111	1023709			10.68- 70.68	40.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1723455	50.0000	48.739	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1674183			67.14- 127.14	97.14
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1342955	50.0000	55.421	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	839460			32.51- 92.51	62.51
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	5013864	50.0000	51.341	80.00- 120.00	100.00
16.852	16.852 (1.123)	120	1112671			0.00- 30.00	22.19
16.852	16.852 (1.123)	105	184182			0.00- 30.00	3.67
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	4279174	50.0000	54.149	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	1132257			0.00- 30.00	26.46
16.326	16.326 (1.088)	51	657505			0.00- 30.00	15.37
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	5968326	50.0000	54.025	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	738719			0.00- 30.00	12.38
17 Isopentane					CAS #: 78-78-4		
3.442	3.442 (0.427)	43	2543975	50.0000	50.552	80.00- 120.00	100.00
3.442	3.442 (0.427)	57	1542811			0.00- 30.00	60.65
3.442	3.442 (0.427)	72	138931			0.00- 30.00	5.46
11 Butane					CAS #: 106-97-8		
2.723	2.723 (0.338)	58	414819	50.0000	48.877	80.00- 120.00	100.00
2.723	2.723 (0.338)	43	3271284			0.00- 30.00	788.61
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.575	10.575 (1.064)	83	1577941	50.0000	46.733	80.00- 120.00	100.00
10.575	10.575 (1.064)	98	814375			0.00- 30.00	51.61
10.575	10.575 (1.064)	55	1932661			0.00- 30.00	122.48

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092502.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 25-SEP-2007
Calibration Time: 08:28
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376371	225823	526919	376371	0.00
92 1,4-Difluorobenze	1399701	839821	1959581	1399701	0.00
125 Chlorobenzene-d5	1072117	643270	1500964	1072117	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.94	0.00
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

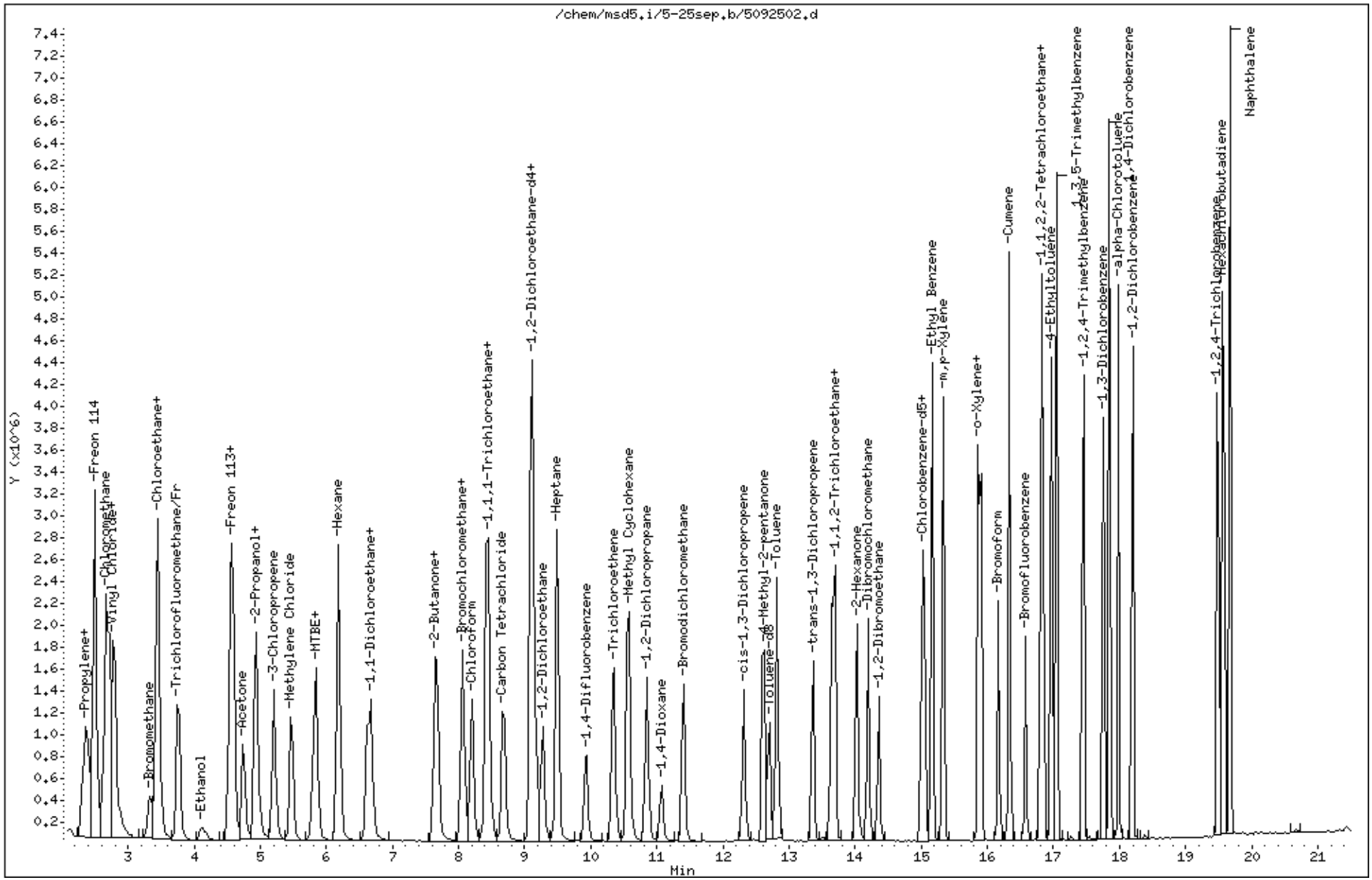
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0147

Data File: /chem/msd5.i/5-25sep.b/5092502.d
Date : 25-SEP-2007 08:28
Client ID: CCV-1
Sample Info: 50mL #1576-19

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709284-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 08:57 AM**	

Compound	%Recovery
Freon 12	104
Freon 114	102
Vinyl Chloride	99
Bromomethane	101
Chloroethane	96
Freon 11	104
1,1-Dichloroethene	111
Freon 113	116
Methylene Chloride	108
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	93
Chloroform	99
1,1,1-Trichloroethane	105
Carbon Tetrachloride	107
Benzene	94
1,2-Dichloroethane	114
Trichloroethene	102
1,2-Dichloropropane	94
cis-1,3-Dichloropropene	104
Toluene	104
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	101
Tetrachloroethene	109
1,2-Dibromoethane (EDB)	103
Chlorobenzene	102
Ethyl Benzene	100
m,p-Xylene	100
o-Xylene	113
Styrene	104
1,1,2,2-Tetrachloroethane	102
1,3,5-Trimethylbenzene	110
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	129
1,2-Dichlorobenzene	105
1,3-Butadiene	100
Hexane	96
Cyclohexane	93

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709284-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**5092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/07 08:57 AM**	

Compound	%Recovery
Heptane	98
Bromodichloromethane	111
Dibromochloromethane	115
Cumene	112
Propylbenzene	105
Chloromethane	99
1,2,4-Trichlorobenzene	102
Hexachlorobutadiene	107
Acetone	95
Carbon Disulfide	96
2-Propanol	93
trans-1,2-Dichloroethene	95
2-Butanone (Methyl Ethyl Ketone)	93
Tetrahydrofuran	86
1,4-Dioxane	70
4-Methyl-2-pentanone	98
2-Hexanone	85
Bromoform	110
4-Ethyltoluene	109
Ethanol	83
Methyl tert-butyl ether	56 Q
3-Chloropropene	93
2,2,4-Trimethylpentane	96
Naphthalene	104

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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

Report Date: 25-Sep-2007 09:11

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-25sep
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: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 50ppbv (100ppbv)

SPIKE	COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
8	Dichlorodifluorome	50.000	51.859	103.72	70-130
9	Freon 114	50.000	51.281	102.56	70-130
10	Chloromethane	50.000	49.706	99.41	70-130
13	Vinyl Chloride	50.000	49.563	99.13	70-130
12	1,3-Butadiene	50.000	50.242	100.48	60-140
15	Bromomethane	50.000	50.670	101.34	70-130
19	Chloroethane	50.000	48.017	96.03	70-130
20	Trichlorofluoromet	50.000	51.881	103.76	70-130
26	Ethanol	50.000	41.697	83.39	60-140
30	Freon 113	50.000	57.756	115.51	70-130
31	1,1-Dichloroethene	50.000	55.505	111.01	70-130
35	Carbon Disulfide	50.000	47.792	95.58	60-140
32	Acetone	50.000	47.322	94.65	60-140
36	2-Propanol	50.000	46.489	92.98	60-140
38	3-Chloropropene	50.000	46.560	93.12	60-140
43	Methylene Chloride	50.000	54.238	108.48	70-130
46	MTBE	50.000	28.251	56.50*	60-140
47	trans-1,2-Dichloro	50.000	47.441	94.88	60-140
51	Hexane	50.000	48.039	96.08	60-140
55	1,1-Dichloroethane	50.000	49.397	98.79	70-130
66	cis-1,2-Dichloroet	50.000	46.626	93.25	70-130
67	2-Butanone	50.000	46.475	92.95	60-140
70	Tetrahydrofuran	50.000	42.811	85.62	60-140
72	Chloroform	50.000	49.483	98.97	70-130
74	Cyclohexane	50.000	46.430	92.86	60-140
75	1,1,1-Trichloroeth	50.000	52.439	104.88	70-130
56	Vinyl Acetate	50.000	49.041	98.08	60-140
77	Carbon Tetrachlori	50.000	53.654	107.31	70-130
80	2,2,4-Trimethylpen	50.000	47.754	95.51	60-140
81	Benzene	50.000	46.852	93.70	70-130
85	1,2-Dichloroethane	50.000	57.014	114.03	70-130
90	Heptane	50.000	49.076	98.15	60-140
93	Trichloroethene	50.000	51.131	102.26	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
98 1,2-Dichloropropan	50.000	47.185	94.37	70-130
99 1,4-Dioxane	50.000	34.827	69.65	60-140
100 Bromodichlorometha	50.000	55.698	111.40	60-140
103 cis-1,3-Dichloropr	50.000	52.021	104.04	70-130
106 4-Methyl-2-pentano	50.000	49.080	98.16	60-140
108 Toluene	50.000	52.166	104.33	70-130
113 trans-1,3-Dichloro	50.000	56.517	113.03	70-130
114 1,1,2-Trichloroeth	50.000	50.702	101.40	70-130
116 Tetrachloroethene	50.000	54.328	108.66	70-130
119 2-Hexanone	50.000	42.339	84.68	60-140
120 Dibromochlorometha	50.000	57.361	114.72	60-140
122 1,2-Dibromoethane	50.000	51.371	102.74	70-130
126 Chlorobenzene	50.000	51.258	102.52	70-130
128 Ethyl Benzene	50.000	50.168	100.34	70-130
130 m,p-Xylene	50.000	49.974	99.95	70-130
132 o-Xylene	50.000	56.399	112.80	70-130
133 Styrene	50.000	52.168	104.34	70-130
134 Bromoform	50.000	54.796	109.59	60-140
136 Cumene	50.000	56.056	112.11	60-140
141 1,1,2,2-Tetrachlor	50.000	50.860	101.72	70-130
142 Propylbenzene	50.000	52.530	105.06	60-140
144 4-Ethyltoluene	50.000	54.621	109.24	60-140
147 1,3,5-Trimethylben	50.000	55.087	110.17	70-130
152 1,2,4-Trimethylben	50.000	53.871	107.74	70-130
155 1,3-Dichlorobenzen	50.000	51.777	103.55	70-130
156 1,4-Dichlorobenzen	50.000	53.678	107.36	70-130
157 alpha-Chlorotoluen	50.000	64.394	128.79	70-130
159 1,2-Dichlorobenzen	50.000	52.451	104.90	70-130
163 1,2,4-Trichloroben	50.000	51.262	102.52	70-130
164 Hexachlorobutadien	50.000	53.590	107.18	70-130
6 Propylene	50.000	51.477	102.95	70-130
165 Naphthalene	50.000	52.263	104.53	60-140
11 Butane	50.000	46.732	93.46	70-130
17 Isopentane	50.000	47.816	95.63	70-130
94 Methyl Cyclohexane	50.000	50.033	100.07	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 84 1,2-Dichloroethane	25.000	25.265	101.06	70-130
$ 107 Toluene-d8	25.000	24.386	97.55	70-130
$ 138 Bromofluorobenzene	25.000	24.583	98.33	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-25sep.b/5092503.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 25-SEP-2007 08:57
Operator : lmr Inst ID: msd5.i
Smp Info : 100mL #1443-295A
Misc Info : 50ppbv (100ppbv)
Comment :
Method : /chem/msd5.i/5-25sep.b/t14q912a.m
Meth Date : 25-Sep-2007 08:47 lrandolp Quant Type: ISTD
Cal Date : 12-SEP-2007 12:39 Cal File: 5091211.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 71 Bromochloromethane					CAS #: 74-97-5		
8.059	8.059 (1.000)	130	319788	25.0000		80.00- 120.00	100.00
8.059	8.059 (1.000)	128	237340			48.64- 108.64	74.22
8.059	8.059 (1.000)	49	689464			197.72- 257.72	215.60
* 92 1,4-Difluorobenzene					CAS #: 540-36-3		
9.911	9.939 (1.000)	114	1159947	25.0000		80.00- 120.00	100.00
9.911	9.912 (1.000)	88	196744			0.00- 46.88	16.96
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.999	14.999 (1.000)	117	915124	25.0000		80.00- 120.00	100.00
14.999	14.999 (1.000)	82	547708			0.00- 30.00	59.85
$ 84 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
9.137	9.137 (1.134)	65	476473	25.2649	25.265	80.00- 120.00	100.00
9.137	9.137 (1.134)	67	261538			0.00- 30.00	54.89
$ 107 Toluene-d8					CAS #: 2037-26-5		
12.704	12.704 (1.282)	98	1013166	24.3865	24.386	80.00- 120.00	100.00
12.704	12.704 (1.282)	70	109231			0.00- 30.00	10.78

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 107 Toluene-d8 (continued)							
12.704	12.704 (1.282)	100	668257			0.00- 30.00	65.96
$ 138 Bromofluorobenzene					CAS #: 460-00-4		
16.575	16.575 (1.105)	174	450146	24.5832	24.583	80.00- 120.00	100.00
16.575	16.575 (1.105)	95	743227			128.17- 188.17	165.11
16.575	16.575 (1.105)	176	457215			66.57- 126.57	101.57
6 Propylene					CAS #: 115-07-1		
2.280	2.308 (0.283)	41	1208220	51.4766	51.477	80.00- 120.00	100.00
2.280	2.308 (0.283)	42	801146			0.00- 30.00	66.31
2.280	2.308 (0.283)	39	802570			0.00- 30.00	66.43
8 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.336	2.363 (0.290)	85	1872507	51.8590	51.859	80.00- 120.00	100.00
2.336	2.391 (0.290)	87	604244			0.00- 30.00	32.27
9 Freon 114					CAS #: 76-14-2		
2.474	2.502 (0.307)	135	1807908	51.2812	51.281	80.00- 120.00	100.00
2.474	2.502 (0.307)	137	586526			1.91- 61.91	32.44
10 Chloromethane					CAS #: 74-87-3		
2.640	2.640 (0.328)	50	1518640	49.7064	49.706	80.00- 120.00	100.00
2.612	2.640 (0.324)	52	440422			0.00- 30.00	29.00
13 Vinyl Chloride					CAS #: 75-01-4		
2.778	2.806 (0.345)	62	1305155	49.5635	49.563	80.00- 120.00	100.00
2.778	2.806 (0.345)	64	389395			0.00- 30.00	29.84
12 1,3-Butadiene					CAS #: 106-99-0		
2.778	2.778 (0.345)	54	1247184	50.2419	50.242	80.00- 120.00	100.00
2.778	2.778 (0.345)	39	1319527			0.00- 30.00	105.80
15 Bromomethane					CAS #: 74-83-9		
3.276	3.331 (0.406)	94	919754	50.6698	50.670	80.00- 120.00	100.00
3.276	3.331 (0.406)	96	861550			63.49- 123.49	93.67
19 Chloroethane					CAS #: 75-00-3		
3.414	3.442 (0.424)	64	676243	48.0169	48.017	80.00- 120.00	100.00
3.414	3.442 (0.424)	49	193054			0.00- 30.00	28.55
3.414	3.442 (0.424)	66	193208			0.00- 30.00	28.57
20 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.746	3.746 (0.465)	101	2097542	51.8811	51.881	80.00- 120.00	100.00
3.746	3.746 (0.465)	103	1378140			34.91- 94.91	65.70

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
26 Ethanol					CAS #: 64-17-5		
4.077	4.105 (0.506)	45	442972	41.6974	41.697	80.00- 120.00	100.00
4.077	4.133 (0.506)	43	71046			0.00- 30.00	16.04
4.133	4.105 (0.513)	46	160871			0.00- 30.00	36.32
30 Freon 113					CAS #: 76-13-1		
4.520	4.548 (0.561)	151	1517920	57.7562	57.756	80.00- 120.00	100.00
4.547	4.548 (0.564)	153	981919			33.50- 93.50	64.69
4.520	4.548 (0.561)	101	1983617			97.45- 157.45	130.68
31 1,1-Dichloroethene					CAS #: 75-35-4		
4.575	4.603 (0.568)	61	1889526	55.5051	55.505	80.00- 120.00	100.00
4.575	4.603 (0.568)	96	1048710			27.06- 87.06	55.50
4.575	4.603 (0.568)	98	681223			6.65- 66.65	36.05
32 Acetone					CAS #: 67-64-1		
4.713	4.741 (0.585)	58	626366	47.3225	47.322	80.00- 120.00	100.00
4.713	4.741 (0.585)	43	2055165			0.00- 30.00	328.11
36 2-Propanol					CAS #: 67-63-0		
4.935	4.935 (0.612)	45	2334463	46.4888	46.489	80.00- 120.00	100.00
4.935	4.935 (0.612)	43	511607			0.00- 30.00	21.92
4.935	4.935 (0.612)	59	74880			0.00- 30.00	3.21
35 Carbon Disulfide					CAS #: 75-15-0		
4.907	4.935 (0.609)	76	2809212	47.7916	47.792	80.00- 120.00	100.00
38 3-Chloropropene					CAS #: 107-05-1		
5.183	5.211 (0.643)	76	450771	46.5602	46.560	80.00- 120.00	100.00
5.183	5.211 (0.643)	41	1895166			0.00- 30.00	420.43
43 Methylene Chloride					CAS #: 75-09-2		
5.460	5.460 (0.677)	49	1655252	54.2382	54.238	80.00- 120.00	100.00
5.460	5.460 (0.677)	84	864511			22.67- 82.67	52.23
5.460	5.460 (0.677)	51	483784			0.00- 30.00	29.23
46 MTBE					CAS #: 1634-04-4		
5.764	5.792 (0.715)	73	517148	28.2513	28.251	80.00- 120.00	100.00(R)
5.764	5.792 (0.715)	57	171817			2.64- 62.64	33.22
5.764	5.792 (0.715)	41	198074			0.00- 30.00	38.30
47 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.819	5.847 (0.722)	96	1062544	47.4408	47.441	80.00- 120.00	100.00
5.819	5.847 (0.722)	61	1667409			129.70- 189.70	156.93
5.819	5.847 (0.722)	98	666659			0.00- 30.00	62.74

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
51 Hexane					CAS #: 110-54-3		
6.179	6.179 (0.767)	57	2119106	48.0387	48.039	80.00- 120.00	100.00
6.151	6.179 (0.763)	43	1537313			0.00- 30.00	72.55
6.179	6.179 (0.767)	86	274499			0.00- 30.00	12.95
55 1,1-Dichloroethane					CAS #: 75-34-3		
6.594	6.621 (0.818)	63	1891157	49.3968	49.397	80.00- 120.00	100.00
6.594	6.621 (0.818)	65	566865			0.37- 60.37	29.97
67 2-Butanone					CAS #: 78-93-3		
7.672	7.672 (0.952)	72	411227	46.4749	46.475	80.00- 120.00	100.00
7.672	7.672 (0.952)	43	2629815			633.15- 693.15	639.50
7.672	7.672 (0.952)	57	174105			0.00- 30.00	42.34
66 cis-1,2-Dichloroethene					CAS #: 156-59-2		
7.617	7.644 (0.945)	61	1344141	46.6266	46.626	80.00- 120.00	100.00
7.617	7.644 (0.945)	96	931135			36.66- 96.66	69.27
7.617	7.644 (0.945)	98	594665			13.28- 73.28	44.24
70 Tetrahydrofuran					CAS #: 109-99-9		
8.031	8.059 (0.997)	42	1547712	42.8108	42.811	80.00- 120.00	100.00
8.031	8.059 (0.997)	71	349287			0.00- 51.71	22.57
8.031	8.059 (0.997)	72	390212			0.00- 30.00	25.21
72 Chloroform					CAS #: 67-66-3		
8.197	8.197 (1.017)	83	1633754	49.4827	49.483	80.00- 120.00	100.00
8.197	8.197 (1.017)	85	1034034			34.98- 94.98	63.29
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
8.446	8.446 (1.048)	97	1597056	52.4391	52.439	80.00- 120.00	100.00
8.446	8.446 (1.048)	99	1031992			35.09- 95.09	64.62
74 Cyclohexane					CAS #: 110-82-7		
8.418	8.419 (1.045)	84	1151224	46.4306	46.430	80.00- 120.00	100.00
8.418	8.419 (1.045)	56	1903789			131.68- 191.68	165.37
8.418	8.419 (1.045)	41	1143117			68.55- 128.55	99.30
56 Vinyl Acetate					CAS #: 108-05-4		
6.676	6.677 (0.828)	86	226741	49.0409	49.041	80.00- 120.00	100.00
6.649	6.677 (0.825)	43	3230625			0.00- 30.00	1424.81
6.649	6.677 (0.825)	42	254459			0.00- 30.00	112.22
77 Carbon Tetrachloride					CAS #: 56-23-5		
8.667	8.695 (1.075)	119	1389236	53.6541	53.654	80.00- 120.00	100.00
8.667	8.667 (1.075)	117	1447106			71.96- 131.96	104.17

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
9.110	9.110 (1.130)	57	5586146	47.7535	47.754	80.00- 120.00	100.00
9.110	9.110 (1.130)	56	1820430			0.00- 30.00	32.59
9.110	9.110 (1.130)	41	1585413			0.00- 30.00	28.38
81 Benzene					CAS #: 71-43-2		
9.082	9.110 (0.916)	78	2409440	46.8515	46.852	80.00- 120.00	100.00
9.082	9.110 (0.916)	77	545217			0.00- 30.00	22.63
85 1,2-Dichloroethane					CAS #: 107-06-2		
9.276	9.276 (0.936)	62	1312736	57.0144	57.014	80.00- 120.00	100.00
9.276	9.276 (0.936)	64	419723			0.00- 30.00	31.97
90 Heptane					CAS #: 142-82-5		
9.497	9.497 (0.958)	100	290817	49.0760	49.076	80.00- 120.00	100.00
9.469	9.497 (0.955)	43	2399264			0.00- 30.00	825.01
9.469	9.497 (0.955)	71	819717			0.00- 30.00	281.87
93 Trichloroethene					CAS #: 79-01-6		
10.326	10.326 (1.042)	95	992094	51.1311	51.131	80.00- 120.00	100.00
10.326	10.354 (1.042)	130	979012			68.47- 128.47	98.68
10.326	10.326 (1.042)	97	640797			35.08- 95.08	64.59
98 1,2-Dichloropropane					CAS #: 78-87-5		
10.852	10.852 (1.095)	63	920185	47.1850	47.185	80.00- 120.00	100.00
10.852	10.852 (1.095)	62	639753			42.09- 102.09	69.52
10.852	10.852 (1.095)	41	750437			53.21- 113.21	81.55
99 1,4-Dioxane					CAS #: 123-91-1		
11.073	11.073 (1.117)	88	506694	34.8273	34.827	80.00- 120.00	100.00
11.073	11.073 (1.117)	58	515414			69.34- 129.34	101.72
11.073	11.073 (1.117)	57	153401			0.00- 30.00	30.27
100 Bromodichloromethane					CAS #: 75-27-4		
11.405	11.405 (1.151)	83	1497553	55.6977	55.698	80.00- 120.00	100.00
11.405	11.405 (1.151)	85	947396			33.65- 93.65	63.26
103 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.317	12.317 (1.243)	75	1021720	52.0206	52.021	80.00- 120.00	100.00
12.317	12.317 (1.243)	77	330847			1.23- 61.23	32.38
12.317	12.317 (1.243)	39	859136			54.21- 114.21	84.09
106 4-Methyl-2-pentanone					CAS #: 108-10-1		
12.593	12.621 (1.271)	58	854064	49.0799	49.080	80.00- 120.00	100.00
12.593	12.594 (1.271)	43	2506427			0.00- 30.00	293.47
12.593	12.621 (1.271)	85	275163			0.00- 30.00	32.22

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
108 Toluene					CAS #: 108-88-3		
12.815	12.815 (1.293)	91	2484151	52.1665	52.166	80.00- 120.00	100.00
12.815	12.815 (1.293)	92	1463619			29.09- 89.09	58.92
113 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
13.368	13.368 (0.891)	75	1076966	56.5174	56.517	80.00- 120.00	100.00
13.368	13.368 (0.891)	77	328850			2.11- 62.11	30.53
13.368	13.368 (0.891)	39	817753			48.34- 108.34	75.93
114 1,1,2-Trichloroethane					CAS #: 79-00-5		
13.644	13.644 (0.910)	97	814582	50.7025	50.702	80.00- 120.00	100.00
13.644	13.644 (0.910)	99	510127			31.49- 91.49	62.62
13.644	13.644 (0.910)	83	656461			49.50- 109.50	80.59
116 Tetrachloroethene					CAS #: 127-18-4		
13.699	13.700 (0.913)	166	1018363	54.3281	54.328	80.00- 120.00	100.00
13.699	13.700 (0.913)	129	826726			49.61- 109.61	81.18
13.699	13.700 (0.913)	131	802308			46.94- 106.94	78.78
119 2-Hexanone					CAS #: 591-78-6		
14.004	14.031 (0.934)	58	1105836	42.3391	42.339	80.00- 120.00	100.00
14.004	14.031 (0.934)	43	2436087			190.33- 250.33	220.29
14.031	14.031 (0.935)	100	171162			0.00- 30.00	15.48
120 Dibromochloromethane					CAS #: 124-48-1		
14.197	14.197 (0.947)	129	1282348	57.3614	57.361	80.00- 120.00	100.00
14.197	14.197 (0.947)	127	1011100			0.00- 30.00	78.85
122 1,2-Dibromoethane					CAS #: 106-93-4		
14.363	14.363 (0.958)	107	1206598	51.3709	51.371	80.00- 120.00	100.00
14.363	14.363 (0.958)	109	1160371			65.25- 125.25	96.17
126 Chlorobenzene					CAS #: 108-90-7		
15.027	15.054 (1.002)	112	1857540	51.2576	51.258	80.00- 120.00	100.00
15.027	15.054 (1.002)	114	602990			1.83- 61.83	32.46
15.027	15.027 (1.002)	77	1170323			30.74- 90.74	63.00
128 Ethyl Benzene					CAS #: 100-41-4		
15.165	15.165 (1.011)	106	1028151	50.1684	50.168	80.00- 120.00	100.00
15.165	15.165 (1.011)	91	3438645			0.00- 30.00	334.45
130 m,p-Xylene					CAS #: 108-38-3		
15.331	15.331 (1.022)	106	1265398	49.9741	49.974	80.00- 120.00	100.00
15.331	15.331 (1.022)	91	2790205			0.00- 30.00	220.50
132 o-Xylene					CAS #: 95-47-6		
15.856	15.856 (1.057)	106	1225548	56.3987	56.399	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)							
15.856	15.856 (1.057)	91	2794650			202.30- 262.30	228.03
133 Styrene					CAS #: 100-42-5		
15.911	15.912 (1.061)	104	1858522	52.1680	52.168	80.00- 120.00	100.00
15.911	15.912 (1.061)	78	1049045			24.89- 84.89	56.45
134 Bromoform					CAS #: 75-25-2		
16.160	16.160 (1.077)	173	1158194	54.7964	54.796	80.00- 120.00	100.00
16.160	16.160 (1.077)	171	595181			21.51- 81.51	51.39
141 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.796	16.796 (1.120)	83	1694202	50.8601	50.860	80.00- 120.00	100.00
16.796	16.796 (1.120)	85	1112208			36.72- 96.72	65.65
144 4-Ethyltoluene					CAS #: 622-96-8		
16.962	16.962 (1.131)	105	3736939	54.6206	54.621	80.00- 120.00	100.00
16.962	16.962 (1.131)	120	1108280			0.00- 59.34	29.66
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
17.045	17.045 (1.136)	105	3446304	55.0871	55.087	80.00- 120.00	100.00
17.045	17.045 (1.136)	120	1622977			0.00- 30.00	47.09
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.460	17.460 (1.164)	105	2954999	53.8708	53.871	80.00- 120.00	100.00
17.460	17.460 (1.164)	120	1383730			16.36- 76.36	46.83
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.764	17.764 (1.184)	146	2017984	51.7767	51.777	80.00- 120.00	100.00
17.764	17.764 (1.184)	148	1280089			0.00- 30.00	63.43
17.764	17.764 (1.184)	111	860259			0.00- 30.00	42.63
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.847	17.847 (1.190)	146	2365750	53.6783	53.678	80.00- 120.00	100.00
17.847	17.847 (1.190)	148	1476331			0.00- 30.00	62.40
17.847	17.847 (1.190)	111	1035331			0.00- 30.00	43.76
157 alpha-Chlorotoluene					CAS #: 100-44-7		
17.985	17.985 (1.199)	91	3571029	64.3945	64.394	80.00- 120.00	100.00
17.985	17.985 (1.199)	126	652843			0.00- 30.00	18.28
159 1,2-Dichlorobenzene					CAS #: 95-50-1		
18.206	18.206 (1.214)	146	2115993	52.4507	52.451	80.00- 120.00	100.00
18.206	18.206 (1.214)	148	1341049			32.84- 92.84	63.38
18.206	18.206 (1.214)	111	852196			10.68- 70.68	40.27

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
163 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.506	19.506 (1.300)	180	1547235	51.2622	51.262	80.00- 120.00	100.00
19.506	19.506 (1.300)	182	1474520			67.14- 127.14	95.30
164 Hexachlorobutadiene					CAS #: 87-68-3		
19.589	19.589 (1.306)	225	1108443	53.5905	53.590	80.00- 120.00	100.00
19.589	19.589 (1.306)	223	699104			32.51- 92.51	63.07
142 Propylbenzene					CAS #: 103-65-1		
16.824	16.824 (1.122)	91	4378749	52.5300	52.530	80.00- 120.00	100.00
16.851	16.852 (1.123)	120	968308			0.00- 30.00	22.11
16.824	16.852 (1.122)	105	151989			0.00- 30.00	3.47
136 Cumene					CAS #: 98-82-8		
16.326	16.326 (1.088)	105	3781207	56.0561	56.056	80.00- 120.00	100.00
16.326	16.326 (1.088)	120	996937			0.00- 30.00	26.37
16.326	16.326 (1.088)	51	587313			0.00- 30.00	15.53
165 Naphthalene					CAS #: 91-20-3		
19.672	19.672 (1.312)	128	4928264	52.2635	52.263	80.00- 120.00	100.00
19.672	19.672 (1.312)	127	618602			0.00- 30.00	12.55
17 Isopentane					CAS #: 78-78-4		
3.414	3.442 (0.424)	43	2044534	47.8162	47.816	80.00- 120.00	100.00
3.414	3.442 (0.424)	57	1248264			0.00- 30.00	61.05
3.414	3.442 (0.424)	72	114117			0.00- 30.00	5.58
11 Butane					CAS #: 106-97-8		
2.695	2.723 (0.334)	58	336989	46.7322	46.732	80.00- 120.00	100.00
2.695	2.723 (0.334)	43	2731144			0.00- 30.00	810.45
94 Methyl Cyclohexane					CAS #: 108-87-2		
10.547	10.575 (1.064)	83	1399994	50.0331	50.033	80.00- 120.00	100.00
10.547	10.575 (1.064)	98	715749			0.00- 30.00	51.13
10.547	10.575 (1.064)	55	1708473			0.00- 30.00	122.03

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 25-Sep-2007 09:11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd5.i
Lab File ID: 5092503.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msd5.i/5-25sep.b/t14q912a.m
Misc Info: 50ppbv (100ppbv)

Calibration Date: 25-SEP-2007
Calibration Time: 08:28
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	376371	225823	526919	319788	-15.03
92 1,4-Difluorobenze	1399701	839821	1959581	1159947	-17.13
125 Chlorobenzene-d5	1072117	643270	1500964	915124	-14.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
71 Bromochloromethan	8.06	7.73	8.39	8.06	0.00
92 1,4-Difluorobenze	9.94	9.61	10.27	9.91	-0.28
125 Chlorobenzene-d5	15.00	14.67	15.33	15.00	0.00

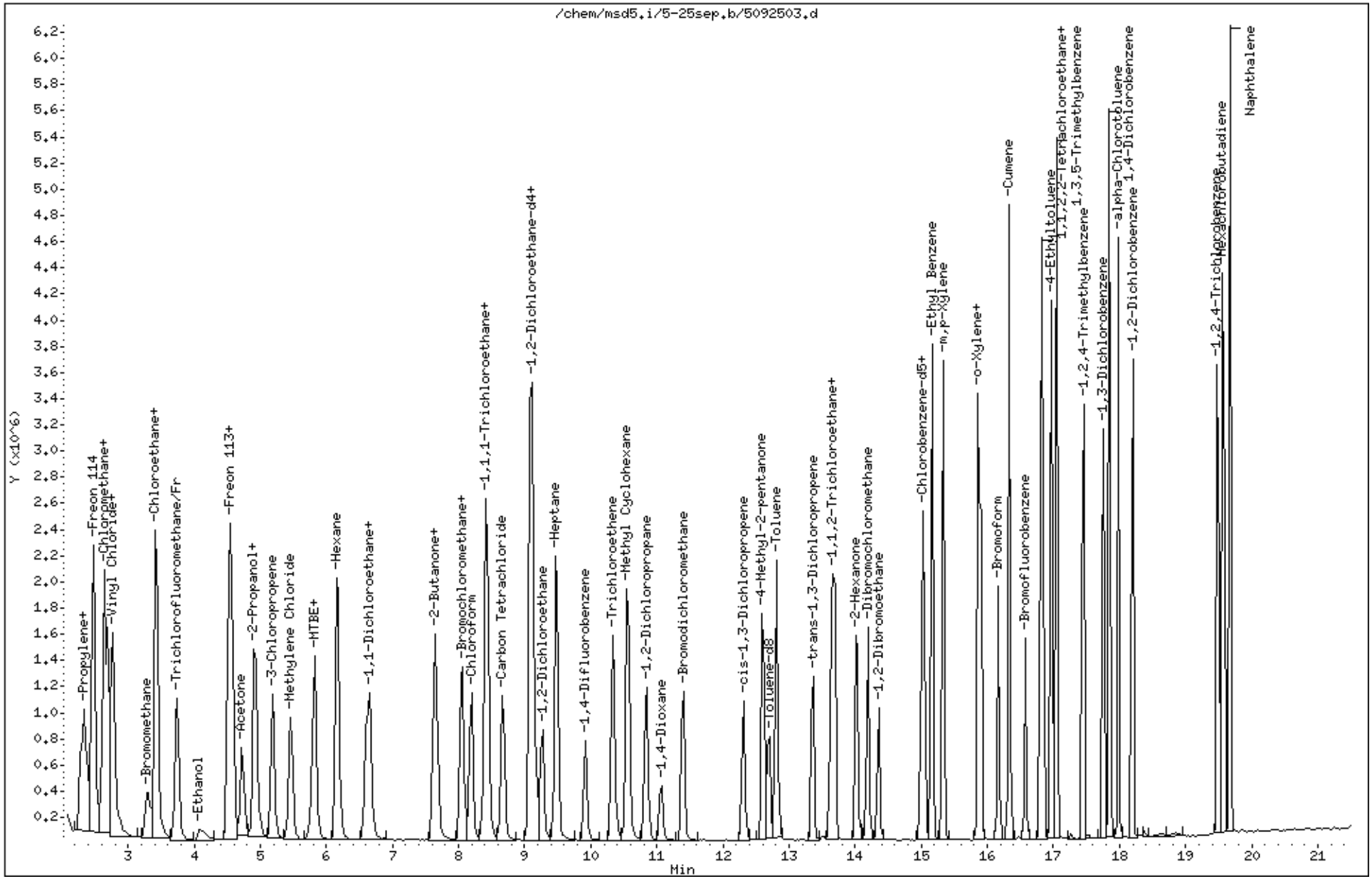
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0161

Data File: /chem/msd5.i/5-25sep.b/5092503.d
Date : 25-SEP-2007 08:57
Client ID: LCS-1
Sample Info: 100mL #1443-295A

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

Column phase: RTx-624



@ Air Toxics Ltd.

MSD-5

Logbook #: 1586

0162

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	27.48
75	30.0 – 60.0% of mass 95	47.55
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.67
173	Less than 2.0% of mass 174	(0.83)[1]
174	Greater than 50.0% of mass 95	75.57
175	5.0 – 9.0% of mass 174	(5.93)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.35)[1]
177	5.0 – 9.0% of mass 176	(6.62)[2]

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

BFB Injection Date: 9/25/07
BFB Injection Time: 0805
BFB File ID: 5092501
Tekmar Purge Flow: 12.8ml/min
Vacuum: 3.20×10^{-6}

IS/S Std.#: 1487-385	Exp. Date: 2/6/07
BCM 376371	
1,4-DFB 1399701	
CB-d5 1072117	

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

Verify 176/174 m/z Ratio: 934080/979648 x100 = 95.35.

NOAH Cart #: 5/14 **File #:** 80924006/5092505

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 585041\ )}{(\ 376371\ )} \times \frac{(\ 25\ )}{(\ 1.47435\ )} = 26.358$

Reported Result 26.358

File ID: 5092502	
Compound: 1,2-DCA-d4	
Initials: UR	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	5092501	BFB Tune Check	843-2480	50psig	2µl	1.00	9/25/07	0805	UR	9pex+1
2	✓	02	CCV-1 (200ppbv)	1576-19	50psig	50ml			0828	UR	
3	✓	03	LCS-1 (100ppbv)	1443-295A		100ml			0857	UR	
4	✓	04	Lab Blank	12941	humid	200ml			0957	UR	
5	✓	05	Cart Cert #14, leg 2	↓	↓	↓			1137	UR	
6	✓	06	Cart Cert #8, leg 7	↓	↓		↓		1234	UR	
7	✓	07	070930LA-07A	35692	4.5 psig		2.38		1333	UR	
8	✓	08	-07AA	↓	↓		↓		1405	UR	
9	✓	09	-08A	35645	3.5		2.29		1437	UR	
10	✓	10	-09A	2095	6.0	↓	2.58	↓	1510	UR	

11	✓	5092511	0709301A-10A	33400	7.0"Hg→15psi	200ml	2.64	9/25/07	1542	LR	
12	✓	↓ 12	↓ -13A	1466	5.5	↓	2.47	↓	1614	SS	
13	✓	13	-14A	24391	1.0		2.09		1644	SS	
14	✓	14	-15A	30830	0.5		2.05		1719	SS	
15	✓	15	-11A	SC95	5.5		2.47		1751	SS	
16	✓	5092516	0709321A- 12A	2051	2.5"Hg-15psi	290ml	2.20		1404	SS	
17	✓	↓ 17	↓ 16A	9337	0.5"Hg	↓	2.05		1836	SS	
18	✓	18	17A	20778	2.0"Hg		2.16		2008	SS	
19	✓	19	18A	31500	1.5"Hg		2.13		2040	SS	
20	✓	20	19A	35631	2.5"Hg		2.20		2112	SS	
21	✓	21	20A	34087	0.5"Hg		2.05		2144	[illegible]	LO
22	✓	22	0709254- 01A	32125	2.0"Hg-5psi		1.34		2217	LR	↓
23	✓	23	02A	TC-1409	2.0"Hg-5psi		1.44	↓	2248	LR	
24											
25											
26											
27											
28											
29											
30											
31											
32											

LO 9/26/07

Comments:

Signature

9/25/07 Date

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-12sep.b/5091204.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 12-SEP-2007 09:14
Operator : lmr Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #843-2980;50 ng
Comment :
Method : /var/chem/msd5.i/5-12sep.b/bfb30.m
Meth Date : 12-Sep-2007 09:06 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.803	3.900	-0.097	95	2214058			100.00- 100.00	100.00
3.803	3.900	-0.097	50	605638			15.00- 40.00	27.35
3.803	3.900	-0.097	75	1030217			30.00- 60.00	46.53
3.803	3.900	-0.097	96	145562			5.00- 9.00	6.57
3.803	3.900	-0.097	173	8333			0.00- 2.00	0.65
3.803	3.900	-0.097	174	1277561			50.00- 100.00	57.70
3.803	3.900	-0.097	175	92640			5.00- 9.00	7.25
3.803	3.900	-0.097	176	1244565			95.00- 101.00	97.42
3.803	3.900	-0.097	177	77012			5.00- 9.00	6.19

Data File: /var/chem/msd5.i/5-12sep.b/5091204.d

Date : 12-SEP-2007 09:14

Client ID: BFB

Instrument: msd5.i

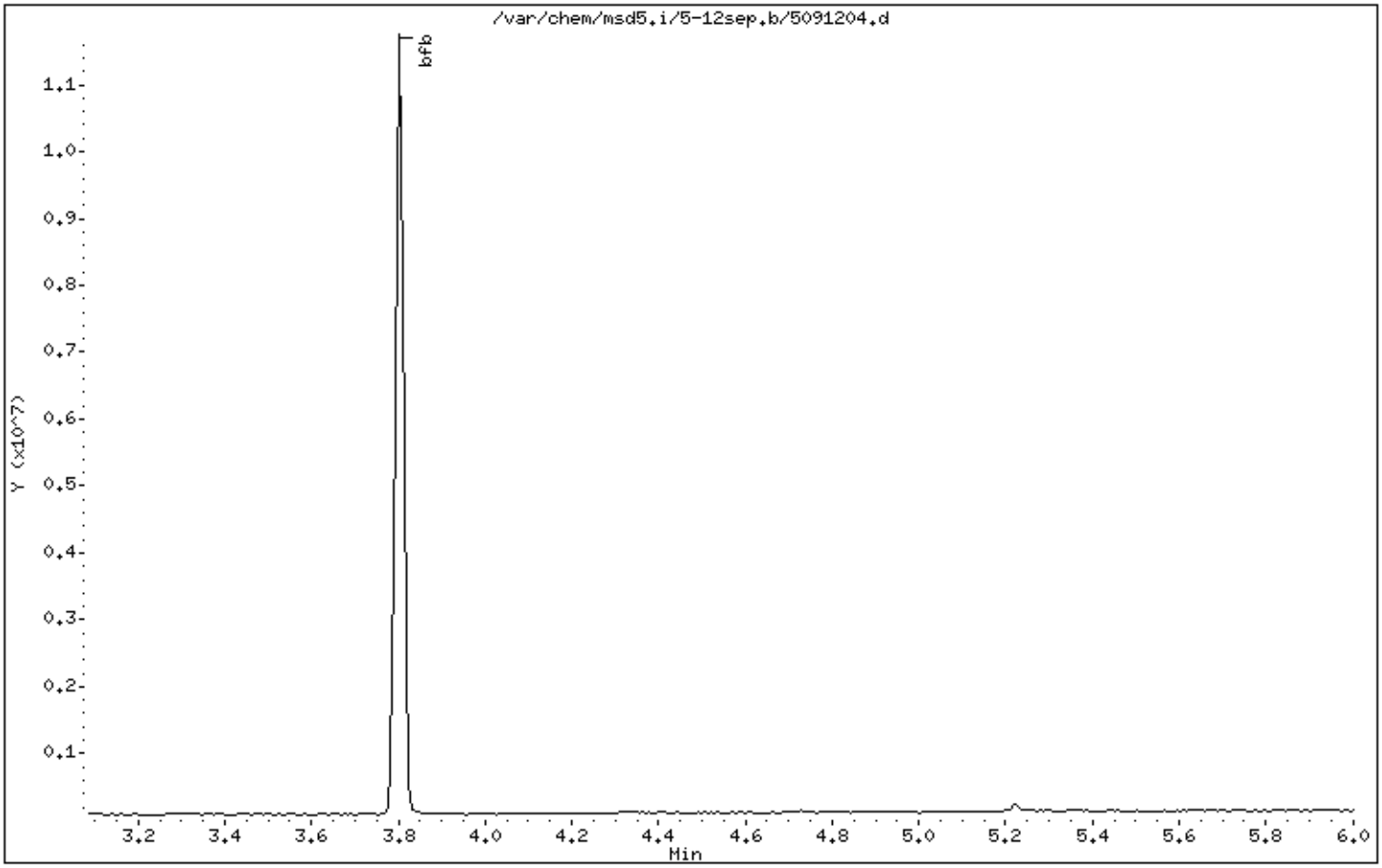
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd5.i/5-12sep.b/5091204.d

Date : 12-SEP-2007 09:14

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

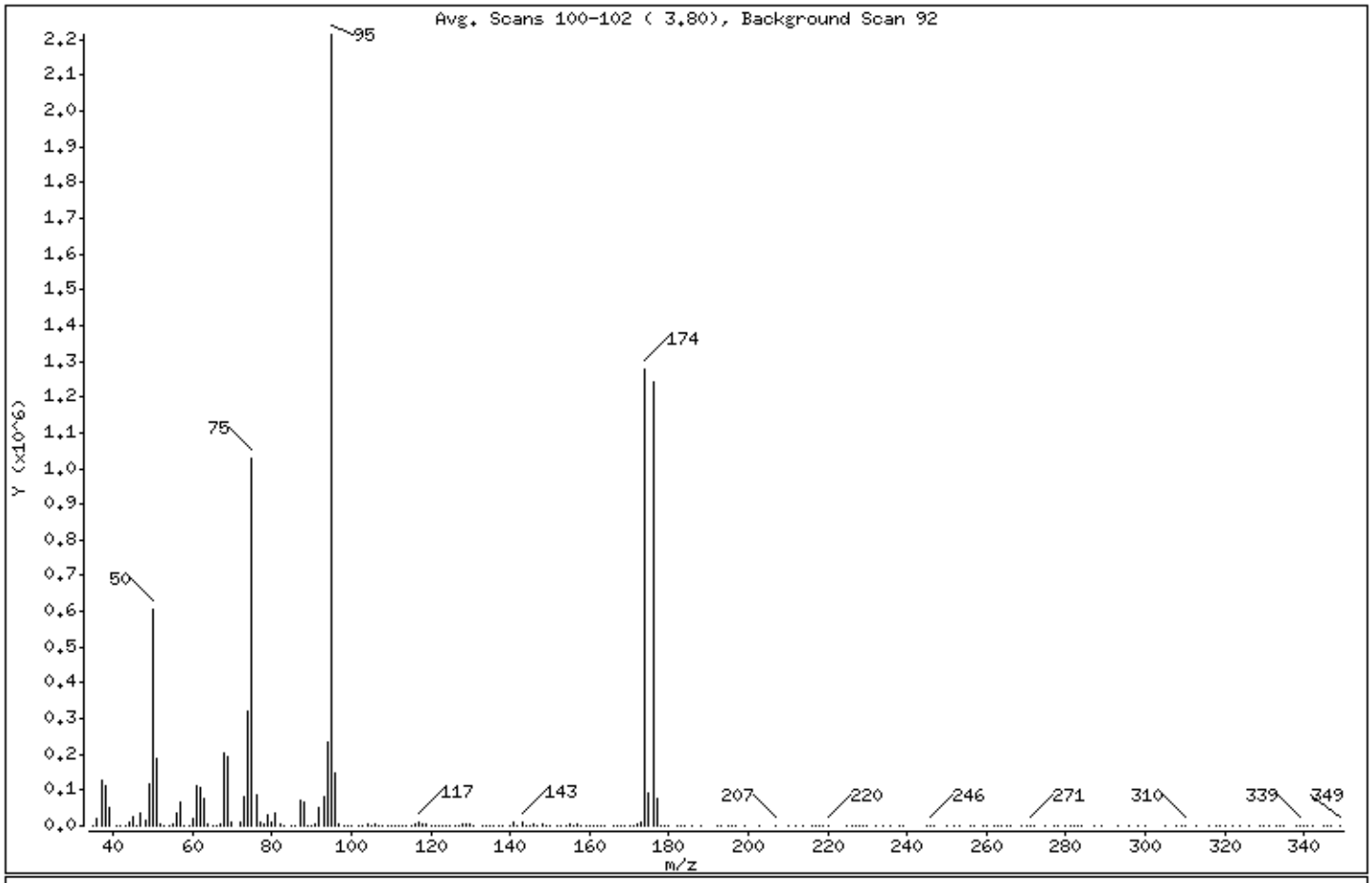
Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.35
75	30.00 - 60.00% of mass 95	46.53
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.38 (0.65)
174	50.00 - 100.00% of mass 95	57.70
175	5.00 - 9.00% of mass 174	4.18 (7.25)
176	95.00 - 101.00% of mass 174	56.21 (97.42)
177	5.00 - 9.00% of mass 176	3.48 (6.19)

Date : 12-SEP-2007 09:14

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: 5091204.d
Spectrum: Avg. Scans 100-102 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 230

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	934	96.00	145536	158.00	721	252.00	477
36.00	20424	97.00	4308	159.00	1761	253.00	234
37.00	127768	98.00	496	160.00	224	256.00	140
38.00	111344	99.00	100	161.00	1121	257.00	164
39.00	50528	100.00	347	162.00	372	259.00	128
41.00	257	102.00	58	163.00	191	260.00	153
42.00	932	103.00	440	164.00	129	262.00	198
43.00	208	104.00	6388	166.00	21	263.00	171
44.00	12426	105.00	1109	167.00	311	264.00	65
45.00	25168	106.00	5400	168.00	637	265.00	220
46.00	2540	107.00	1314	169.00	1019	266.00	165
47.00	37016	108.00	134	170.00	2096	269.00	428
48.00	15067	109.00	57	171.00	2022	270.00	197
49.00	117480	110.00	37	172.00	2897	271.00	639
50.00	605632	111.00	905	173.00	8333	272.00	330
51.00	189824	112.00	545	174.00	1277440	275.00	162
52.00	6161	113.00	1209	175.00	92640	277.00	82
53.00	410	114.00	53	176.00	1244160	278.00	62
54.00	443	115.00	1198	177.00	77008	280.00	58
55.00	4226	116.00	4157	178.00	2221	281.00	355
56.00	34880	117.00	9023	179.00	315	282.00	122
57.00	65496	118.00	3824	180.00	106	283.00	111
58.00	2042	119.00	6410	182.00	541	284.00	288
59.00	423	120.00	239	183.00	313	287.00	90
60.00	18744	121.00	210	184.00	250	289.00	125
61.00	112240	122.00	138	186.00	164	293.00	85
62.00	108144	123.00	640	188.00	99	296.00	155
63.00	75632	124.00	160	192.00	25	298.00	108
64.00	6495	125.00	375	193.00	309	300.00	128
65.00	794	126.00	90	195.00	131	305.00	403
66.00	506	127.00	280	196.00	234	308.00	210
67.00	5254	128.00	5435	197.00	21	309.00	116
68.00	203456	129.00	2901	199.00	204	310.00	480
69.00	194944	130.00	6137	203.00	419	313.00	55
70.00	12475	131.00	2229	207.00	1229	316.00	199

Date : 12-SEP-2007 09:14

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: 5091204.d
Spectrum: Avg. Scans 100-102 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 230

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	8362	133.00	130	210.00	5	318.00	84
73.00	80208	134.00	423	212.00	293	319.00	117
74.00	319040	135.00	2290	214.00	131	320.00	42
75.00	1030208	136.00	426	216.00	370	322.00	177
76.00	84856	137.00	1967	217.00	286	324.00	89
77.00	7929	138.00	288	218.00	495	326.00	118
78.00	5712	140.00	1134	219.00	57	329.00	263
79.00	29152	141.00	12579	220.00	595	330.00	98
80.00	10958	142.00	1504	225.00	174	331.00	34
81.00	35064	143.00	12580	226.00	226	333.00	105
82.00	6818	144.00	911	227.00	319	334.00	143
83.00	1014	145.00	1185	228.00	54	335.00	123
85.00	344	146.00	2629	229.00	124	338.00	88
86.00	1892	147.00	1125	230.00	200	339.00	385
87.00	72712	148.00	3342	232.00	410	340.00	73
88.00	64432	149.00	973	234.00	150	341.00	309
89.00	1142	150.00	1348	236.00	40	342.00	91
90.00	14	152.00	721	238.00	66	345.00	186
91.00	4884	153.00	78	239.00	193	346.00	202
92.00	52488	154.00	987	245.00	121	347.00	220
93.00	81704	155.00	4016	246.00	504	349.00	49
94.00	233408	156.00	421	247.00	229		
95.00	2213888	157.00	2894	250.00	4		

Air Toxics Ltd.

Data file : /chem/msd5.i/5-25sep.b/5092501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 25-SEP-2007 08:05
Operator : lmr Inst ID: msd5.i
Smp Info : BFB Tune Check
Misc Info : 2ul #843-2980;50 ng
Comment :
Method : /var/chem/msd5.i/5-25sep.b/bfb30.m
Meth Date : 25-Sep-2007 07:56 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.803	3.900	-0.097	95	1296384			100.00- 100.00	100.00
3.803	3.900	-0.097	50	356224			15.00- 40.00	27.48
3.803	3.900	-0.097	75	616448			30.00- 60.00	47.55
3.803	3.900	-0.097	96	85848			5.00- 9.00	6.62
3.803	3.900	-0.097	173	8178			0.00- 2.00	0.83
3.803	3.900	-0.097	174	979648			50.00- 100.00	75.57
3.803	3.900	-0.097	175	58056			5.00- 9.00	5.93
3.803	3.900	-0.097	176	934080			95.00- 101.00	95.35
3.803	3.900	-0.097	177	61856			5.00- 9.00	6.62

Data File: /chem/msd5.i/5-25sep.b/5092501.d

Date : 25-SEP-2007 08:05

Client ID: BFB

Instrument: msd5.i

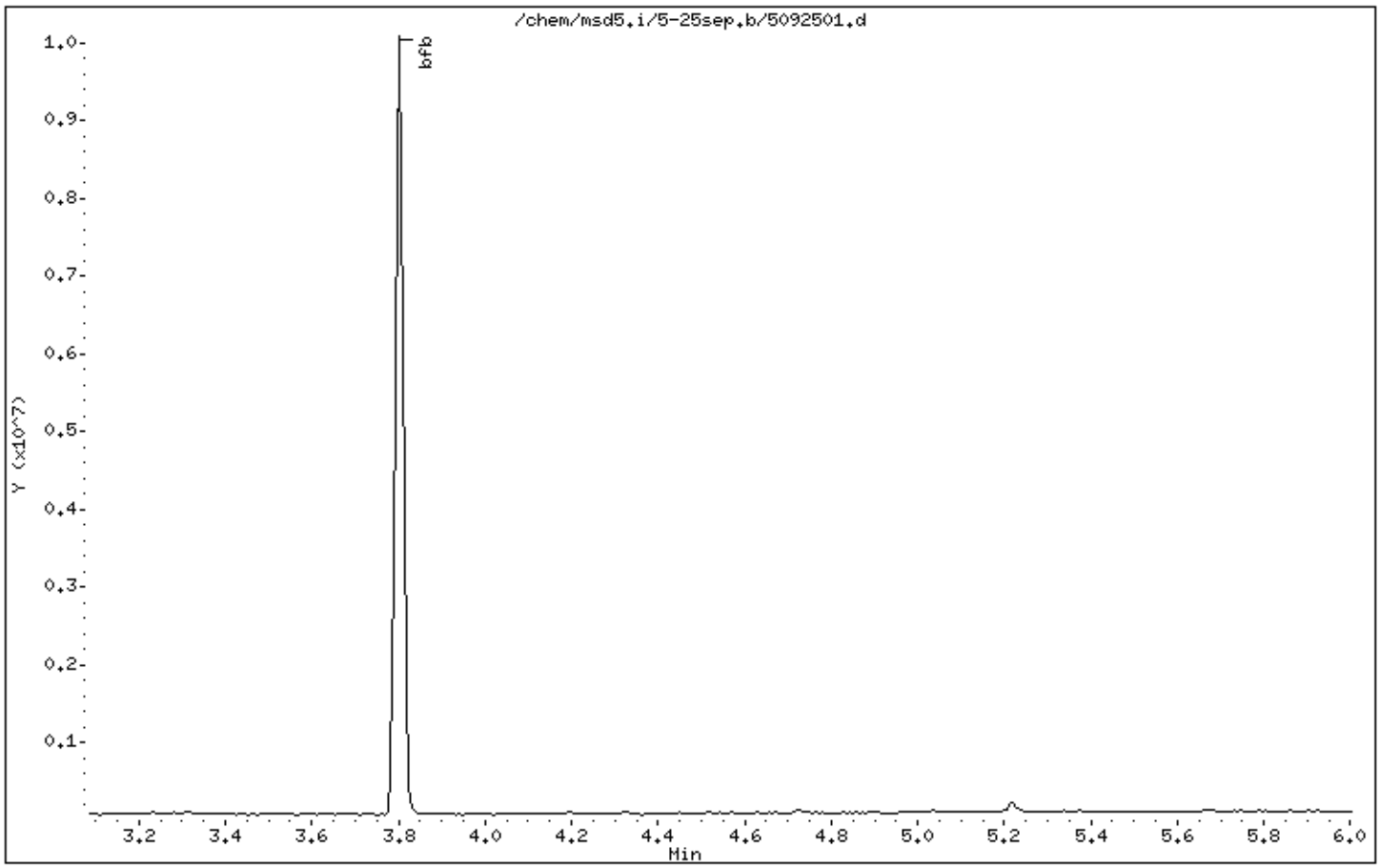
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00



Data File: /chem/msd5.i/5-25sep.b/5092501.d

Date : 25-SEP-2007 08:05

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

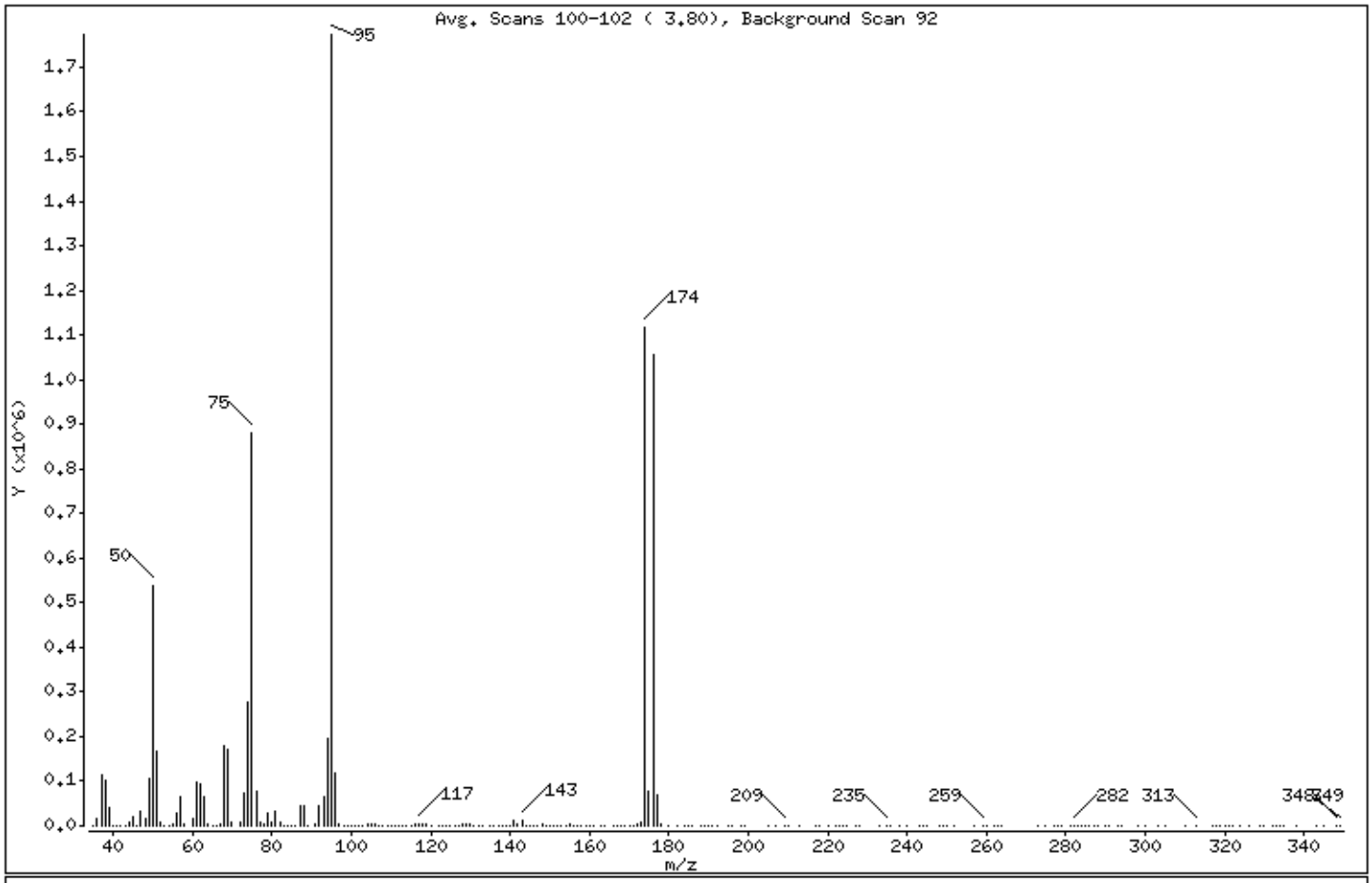
Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.48
75	30.00 - 60.00% of mass 95	47.55
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.63 (0.83)
174	50.00 - 100.00% of mass 95	75.57
175	5.00 - 9.00% of mass 174	4.48 (5.93)
176	95.00 - 101.00% of mass 174	72.05 (95.35)
177	5.00 - 9.00% of mass 176	4.77 (6.62)

Date : 25-SEP-2007 08:05

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: 5092501.d
Spectrum: Avg. Scans 100-102 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 225

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	413	95.00	1773056	154.00	107	244.00	240
36.00	18008	96.00	116984	155.00	3157	245.00	29
37.00	112744	97.00	3785	156.00	503	248.00	234
38.00	100200	98.00	354	157.00	1783	249.00	70
39.00	42528	99.00	91	158.00	206	250.00	450
40.00	1995	100.00	305	159.00	1914	252.00	164
41.00	253	101.00	126	160.00	159	257.00	152
42.00	710	102.00	200	161.00	1562	259.00	483
43.00	211	103.00	1278	163.00	246	260.00	338
44.00	9919	104.00	4708	164.00	139	262.00	179
45.00	21584	105.00	2363	166.00	264	263.00	264
46.00	1455	106.00	5732	167.00	254	264.00	70
47.00	31880	107.00	521	168.00	721	273.00	304
48.00	14943	108.00	26	169.00	934	275.00	287
49.00	105776	109.00	57	170.00	1601	277.00	97
50.00	539008	110.00	1254	171.00	1853	278.00	251
51.00	166720	111.00	902	172.00	2285	279.00	57
52.00	6243	112.00	1093	173.00	8496	281.00	261
53.00	205	113.00	820	174.00	1117184	282.00	515
54.00	131	114.00	229	175.00	77840	283.00	67
55.00	4725	115.00	1602	176.00	1057280	284.00	268
56.00	29104	116.00	4834	177.00	68456	285.00	165
57.00	63248	117.00	5631	178.00	2257	286.00	208
58.00	2278	118.00	3906	180.00	68	287.00	56
60.00	17456	119.00	5529	182.00	186	288.00	279
61.00	97504	120.00	55	184.00	275	290.00	316
62.00	93880	122.00	303	185.00	54	291.00	66
63.00	63240	123.00	454	186.00	37	293.00	154
64.00	4710	124.00	643	188.00	84	294.00	24
65.00	417	125.00	210	189.00	51	298.00	208
66.00	1	126.00	1	190.00	55	300.00	321
67.00	5148	127.00	1269	191.00	187	303.00	292
68.00	177792	128.00	5037	192.00	311	305.00	96
69.00	172416	129.00	2204	195.00	398	310.00	87
70.00	9940	130.00	4566	196.00	99	313.00	435

Date : 25-SEP-2007 08:05

Client ID: BFB Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: 5092501.d
Spectrum: Avg. Scans 100-102 (3.80), Background Scan 92
Location of Maximum: 95.00
Number of points: 225

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	6861	131.00	1712	198.00	61	317.00	288
73.00	71416	132.00	507	199.00	75	318.00	41
74.00	277440	133.00	194	205.00	311	319.00	99
75.00	881920	135.00	2014	207.00	388	320.00	230
76.00	76808	136.00	506	209.00	438	321.00	140
77.00	6663	137.00	1882	210.00	113	322.00	104
78.00	3736	138.00	343	213.00	223	324.00	88
79.00	29728	139.00	1085	217.00	186	326.00	52
80.00	8873	140.00	945	218.00	75	329.00	55
81.00	31008	141.00	11675	220.00	196	330.00	199
82.00	6348	142.00	2370	222.00	253	332.00	299
83.00	659	143.00	13666	223.00	104	333.00	55
84.00	12	144.00	1450	224.00	273	334.00	169
85.00	33	145.00	1471	225.00	121	335.00	85
86.00	1279	146.00	1735	227.00	258	338.00	146
87.00	45000	147.00	1268	228.00	17	343.00	255
88.00	44592	148.00	3125	233.00	52	345.00	272
89.00	1538	149.00	1085	235.00	623	348.00	319
91.00	3929	150.00	1344	236.00	235	349.00	54
92.00	44520	151.00	790	238.00	53		
93.00	65800	152.00	607	240.00	449		
94.00	196672	153.00	1519	243.00	321		

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 #: 0709284
# of pages (Including Cover): 1

10/4/2007

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

AIR TOXICS LTD.

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

0176

Contact		**Project info:**	**Turn Around Time:**
Company	GEI Consultants, Inc.	P.O. #	
Address	455 Winding Brook Glastonbury CT 06033	Project #	061140 - 8 - 1703	[X] Normal
Phone	860-368-5300 Cell:	Project Name	BayShore OU1 Southern cell Air Monitoring	[ ] Rush _____
Collected By: Signature: Ryan Wilson			Specify TS 9/18/07

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	Downwind AMS 2 # 32125	9/12/07 0640 1510	TO-15 + Naphthalene	-29	-0	0.0"Hg
02A	upwind AMS 5 TO 1601	9/12/07 0640 1510	TO-15 + Naphthalene	-29	-2	2.0"Hg

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
9/12/07 10	A Scott ATL 9/14/07 0835
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@geiconsultants.com

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8624 4903 1799	AS	NA	good	Yes No (None)	0709284

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0709284

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: 09/28/07
Date Completed: 9/27/07
Date Received: 9/14/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 South cell Air Monitoring
Total $: $ 728.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	Downwind AMS1 #32125	Modified TO-15	9/12/2007	0.0 "Hg	$225.00
02A	Upwind AMS5 TO1601	Modified TO-15	9/12/2007	2.0 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (4) @ $50.00 each.	$200.00
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00
	Fuel Surcharge (4) @ $2.00 each.	$8.00

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
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 #: 0709284

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

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

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

☑	☐	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☐	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
	☐	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
NA	☐	☐			TICs resemble reference spectra
NA	☐	☐			TICs between duplicate samples are consistent
NA	☐	☐	☐		Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
NA	☐		☐		Special units for all samples in the final report are correctly calculated
	☐	☐	☐		Manually entered results checked (i.e. special CCV compounds)
NA	☐	☐	☐		TPH/NMOC (verify calculations and correct reference compound used)
	☐				Chain of Custody scanned correctly
			☐		Verify sample id's vs. chain of custody
☑	☐				Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☐				Final pressure consistent with canister size (6L vs. 1L)
☑	☐				Verify receipt pressures against logbook and Target
☑	NA ☐				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 (MTBE, 1,4-Dioxane J) / ~~1 out in LCS (MTBE J)~~ 9-27-07 CT

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
LR 9/26/07	R: CTaylor 9-27-07	MF 9/27/07	
	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