
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 #: 0808157

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Comments:

Completed by:

Kara McKiernan — Kara McKiernan / Document Control — 8/25/08

(Signature) (Print Name & Title) (Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0808157

Work Order Summary

CLIENT:	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746	**BILL TO:**	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746
PHONE:	631-760-9300 x 12	**P.O. #**	NR
FAX:		**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	08/07/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/19/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AMS 3 DW (25304)	Modified TO-15	9.0 "Hg	5 psi
02A	AMS 3 DW (9907)	Modified TO-15	8.5 "Hg	5 psi
02AA	AMS 3 DW (9907) Lab Duplicate	Modified TO-15	8.5 "Hg	5 psi
03A	AMS 5 UW	Modified TO-15	10.0 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 08/20/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0808157

Two 6 Liter Summa Canister (100% Certified) and one 6 Liter Summa Canister samples were received on August 07, 2008. 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; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

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

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
AMS 3 DW (25304)	0808157-01A	8/ 6/2008	8/ 7/2008	NA	9	8/15/2008	NA	Good
AMS 3 DW (9907)	0808157-02A	8/ 6/2008	8/ 7/2008	NA	9	8/15/2008	NA	Good
AMS 3 DW (9907) Lab D	0808157-02AA	8/ 6/2008	8/ 7/2008	NA	9	8/15/2008	NA	Good
AMS 5 UW	0808157-03A	8/ 6/2008	8/ 7/2008	NA	9	8/15/2008	NA	Good
Lab Blank	0808157-04A	NA	NA	NA	NA	8/15/2008	NA	Good
CCV	0808157-05A	NA	NA	NA	NA	8/15/2008	NA	Good
LCS	0808157-06A	NA	NA	NA	NA	8/15/2008	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: AMS 3 DW (25304)

Lab ID#: 0808157-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.8	5.5	9.1	13

0006

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (25304)

Lab ID#: 0808157-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081511**	**Date of Collection: 8/6/08**	
Dil. Factor:	**1.91**	**Date of Analysis: 8/15/08 06:03 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (25304)

Lab ID#: 0808157-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081511**	**Date of Collection: 8/6/08**	
Dil. Factor:	**1.91**	**Date of Analysis: 8/15/08 06:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	5.5	9.1	13
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	99	70-130

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AMBIENT AIR METHOD TO14A/TO15

Data file : /var/chem/msd8.i/8-15aug.b/8081511.d
Lab Smp Id: 0808157-01A
Inj Date : 15-AUG-2008 18:03
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #25304
Misc Info : 9.0"Hg-5psi GEI
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane						CAS #: 74-97-5		
7.159	7.159 (1.000)	130	263956	25.0000			80.00- 120.00	100.00
7.159	7.159 (1.000)	128	202721				50.11- 110.11	76.80
7.131	7.132 (1.000)	49	342399				101.64- 161.64	129.72
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.012	9.012 (1.000)	114	968916	25.0000			80.00- 120.00	100.00
9.012	9.012 (1.000)	88	150307				0.00- 45.34	15.51
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	784299	25.0000			80.00- 120.00	100.00
14.376	14.376 (1.000)	82	410564				0.00- 30.00	52.35
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.210	8.210 (1.147)	65	332866	21.2238	21.224		80.00- 120.00	100.00
8.210	8.210 (1.147)	67	168323				0.00- 30.00	50.57
$ 104 Toluene-d8						CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	853169	21.6791	21.679		80.00- 120.00	100.00
11.832	11.832 (1.313)	70	88634				0.00- 30.00	10.39

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	556834			0.00- 30.00	65.27
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	412962	24.8680	24.868	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	586178			112.33- 172.33	141.94
16.035	16.035 (1.115)	176	396009			62.77- 122.77	95.89
30 Acetone					CAS #: 67-64-1		
3.952	3.924 (0.552)	58	21082	2.88179	5.504	80.00- 120.00	100.00
3.952	3.924 (0.552)	43	57258			0.00- 30.00	271.60

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081511.d
Lab Smp Id: 0808157-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 9.0"Hg-5psi GEI

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	263956	-18.17
88 1,4-Difluorobenze	1230926	738556	1723296	968916	-21.29
125 Chlorobenzene-d5	1019312	611587	1427037	784299	-23.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.16	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808157-01A
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 9.0"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	21.224	84.90	70-130
$ 104 Toluene-d8	25.000	21.679	86.72	70-130
$ 140 Bromofluorobenzene	25.000	24.868	99.47	70-130

Data File: /var/chem/msd8.i/8-15aug.b/8081511.d

Date : 15-AUG-2008 18:03

Client ID:

Sample Info: 200mL #25304

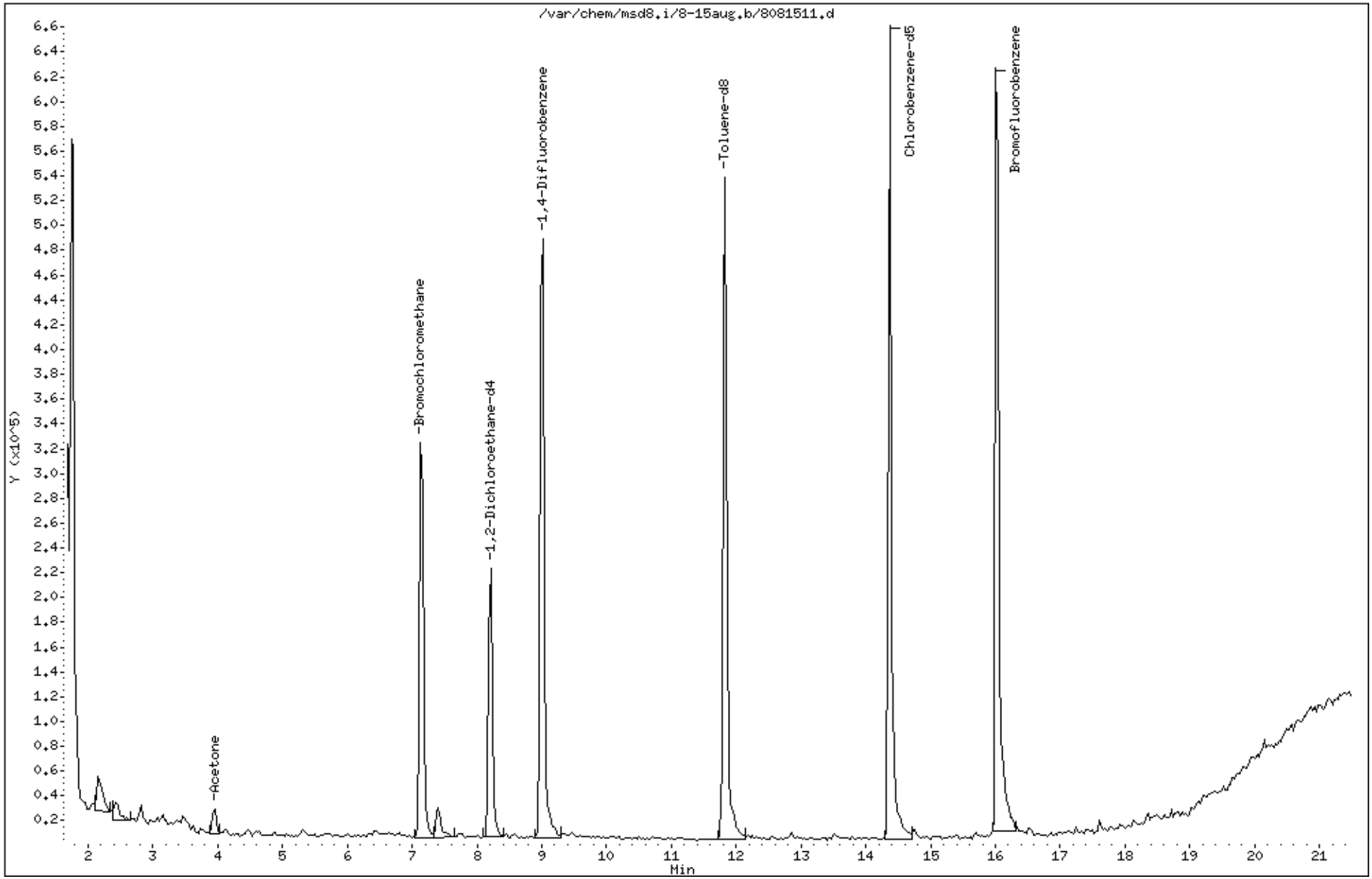
Column phase: RTx-624

Instrument: msd8.i

Operator: ct

Column diameter: 0.53

0013



Data File: /var/chem/msd8.i/8-15aug.b/8081511.d

Date : 15-AUG-2008 18:03

Client ID:

Instrument: msd8.i

Sample Info: 200mL #25304

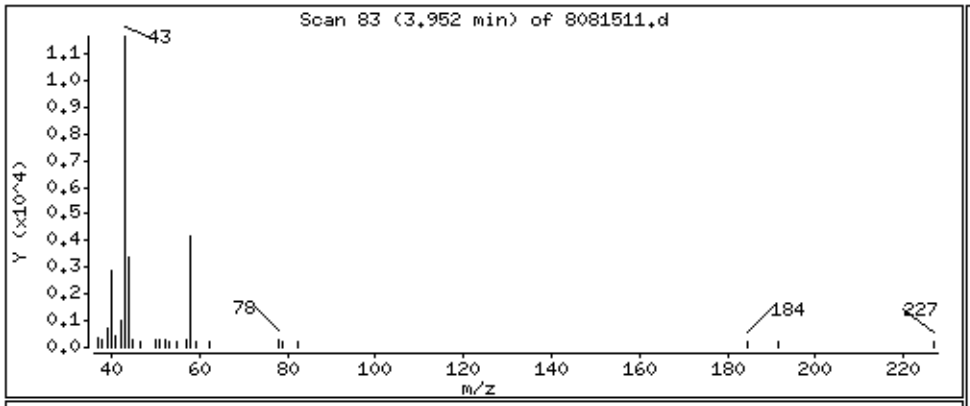
Operator: ct

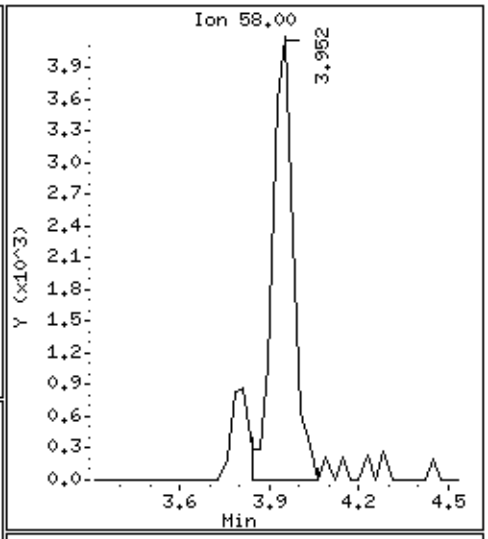
Column phase: RTx-624

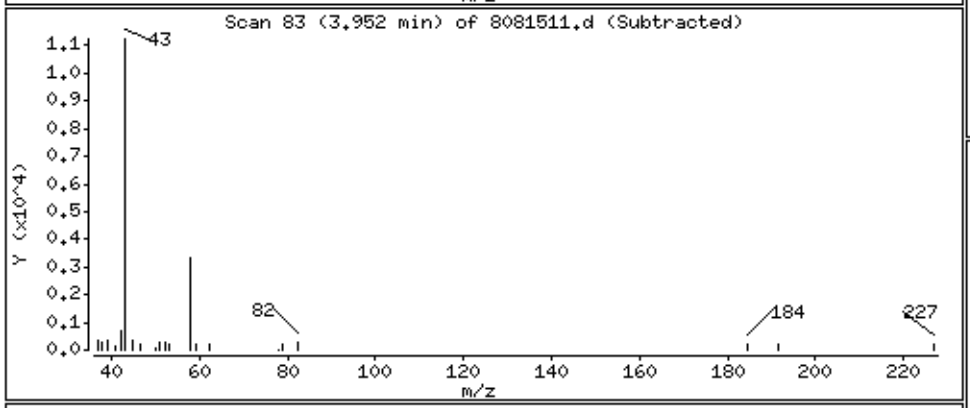
Column diameter: 0.53

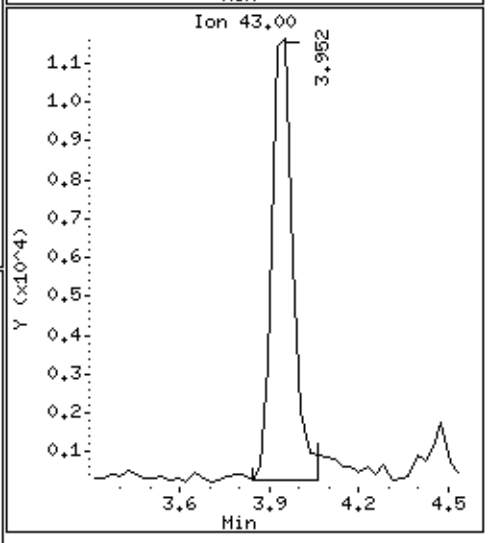
30 Acetone

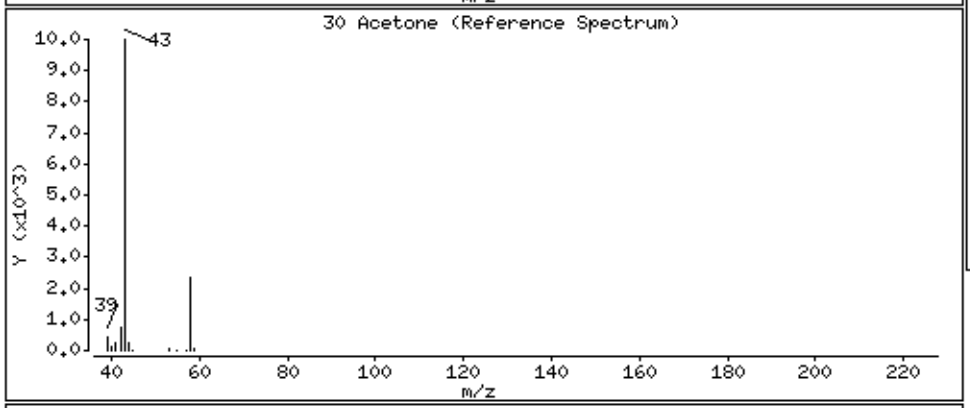
Concentration: 5.504 PPBV

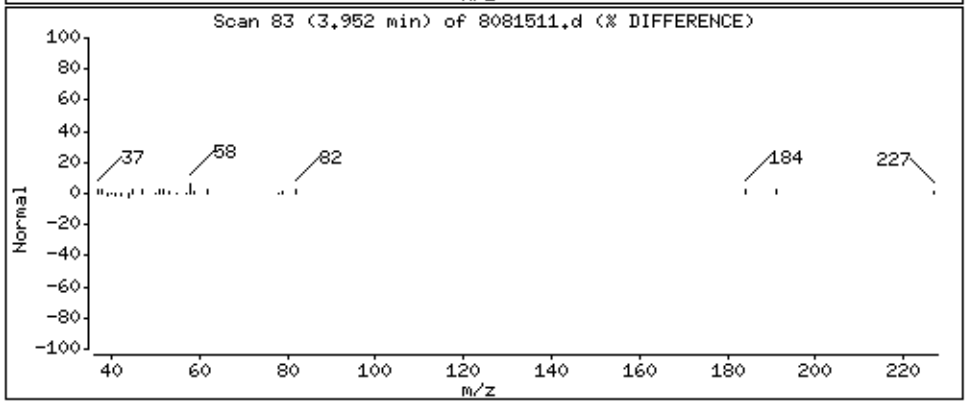












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 3 DW (9907)

Lab ID#: 0808157-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	5.4	8.9	13
Carbon Disulfide	0.94	2.8	2.9	8.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (9907)

Lab ID#: 0808157-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081512**	**Date of Collection: 8/6/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 8/15/08 06:45 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (9907)

Lab ID#: 0808157-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081512**	**Date of Collection: 8/6/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 8/15/08 06:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.94	Not Detected	3.8	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
Chloromethane	3.7	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
Acetone	3.7	5.4	8.9	13
Carbon Disulfide	0.94	2.8	2.9	8.6
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Naphthalene	3.7	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /var/chem/msd8.i/8-15aug.b/8081512.d
Lab Smp Id: 0808157-02A
Inj Date : 15-AUG-2008 18:45
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #9907
Misc Info : 8.5"Hg-5psi GEI
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1
Dil Factor: 1.87000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.159	7.159 (1.000)	130	265654	25.0000		80.00- 120.00	100.00
7.159	7.159 (1.000)	128	201054			50.11- 110.11	75.68
7.131	7.132 (1.000)	49	339978			101.64- 161.64	127.98
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	951096	25.0000		80.00- 120.00	100.00
9.012	9.012 (1.000)	88	149290			0.00- 45.34	15.70
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	754811	25.0000		80.00- 120.00	100.00
14.376	14.376 (1.000)	82	402194			0.00- 30.00	53.28
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.210	8.210 (1.147)	65	333689	21.1403	21.140	80.00- 120.00	100.00
8.210	8.210 (1.147)	67	172060			0.00- 30.00	51.56
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	821971	21.2777	21.278	80.00- 120.00	100.00
11.832	11.832 (1.313)	70	84834			0.00- 30.00	10.32

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	539669			0.00- 30.00	65.66
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	401202	25.1037	25.104	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	563545			112.33- 172.33	140.46
16.035	16.035 (1.115)	176	386122			62.77- 122.77	96.24
30 Acetone					CAS #: 67-64-1		
3.952	3.924 (0.552)	58	21135	2.87057	5.368	80.00- 120.00	100.00
3.952	3.924 (0.552)	43	56485			0.00- 30.00	267.26
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.118 (0.571)	76	62860	1.48564	2.778	80.00- 120.00	100.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081512.d
Lab Smp Id: 0808157-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 8.5"Hg-5psi GEI

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	265654	-17.64
88 1,4-Difluorobenze	1230926	738556	1723296	951096	-22.73
125 Chlorobenzene-d5	1019312	611587	1427037	754811	-25.95

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.16	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808157-02A
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 8.5"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	21.140	84.56	70-130
$ 104 Toluene-d8	25.000	21.278	85.11	70-130
$ 140 Bromofluorobenzene	25.000	25.104	100.41	70-130

Data File: /var/chem/msd8.i/8-15aug.b/8081512.d

Page 1

Date : 15-AUG-2008 18:45

Client ID:

Instrument: msd8.i

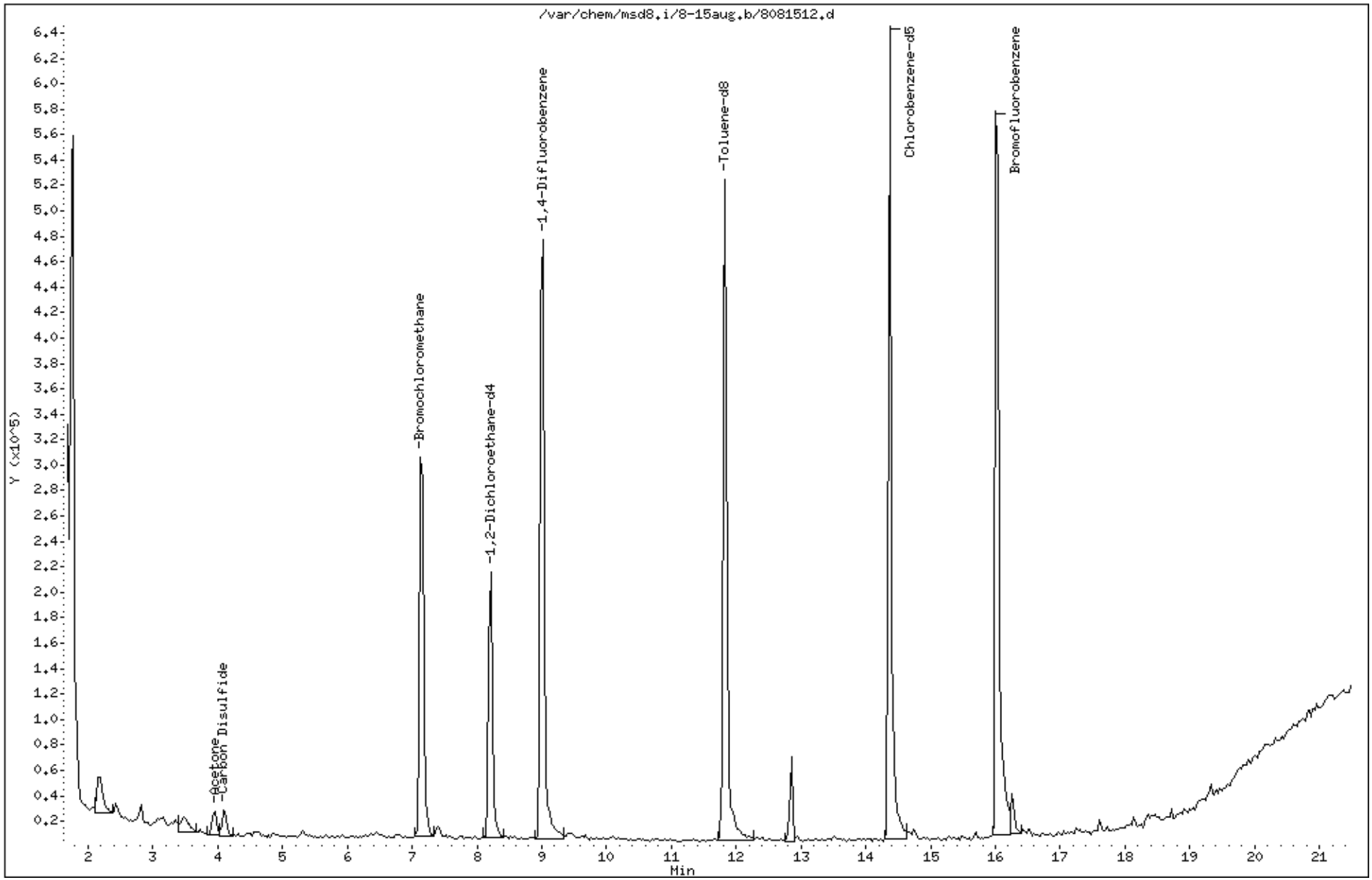
Sample Info: 200mL #9907

Operator: ct

Column phase: RTx-624

Column diameter: 0.53

0022



Data File: /var/chem/msd8.i/8-15aug.b/8081512.d

Date : 15-AUG-2008 18:45

Client ID:

Instrument: msd8.i

Sample Info: 200mL #9907

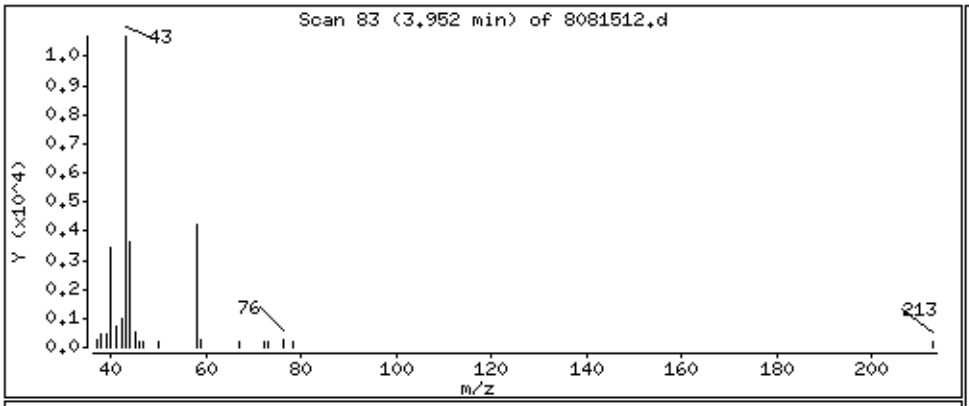
Operator: ct

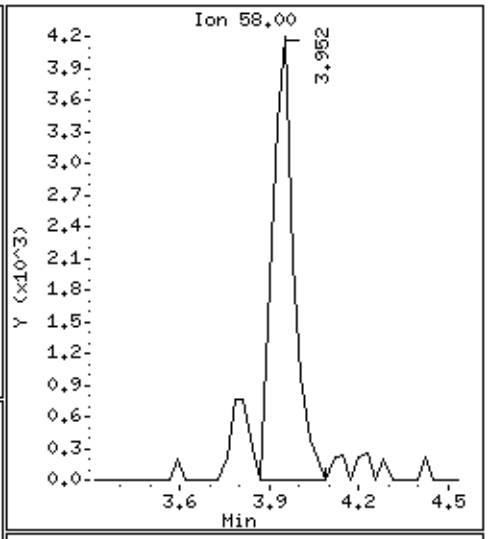
Column phase: RTx-624

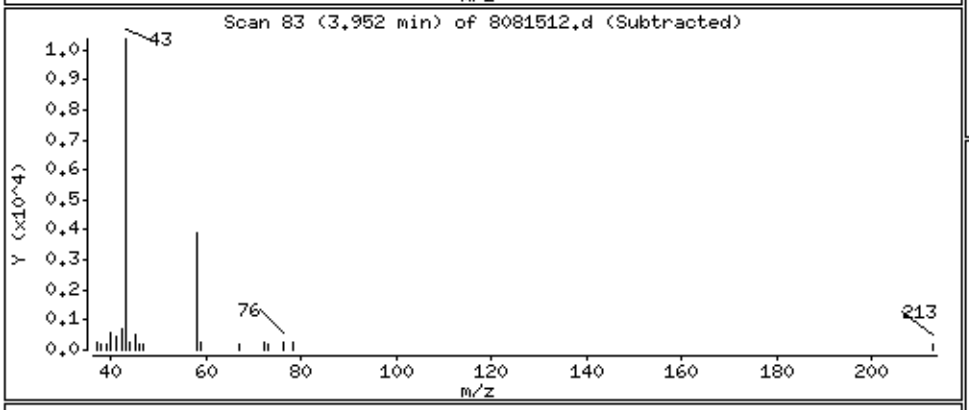
Column diameter: 0.53

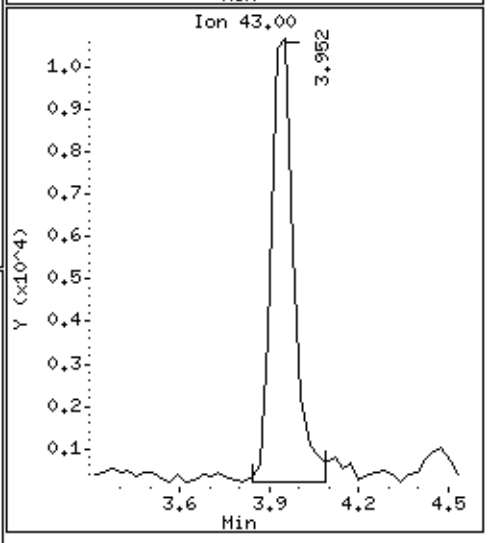
30 Acetone

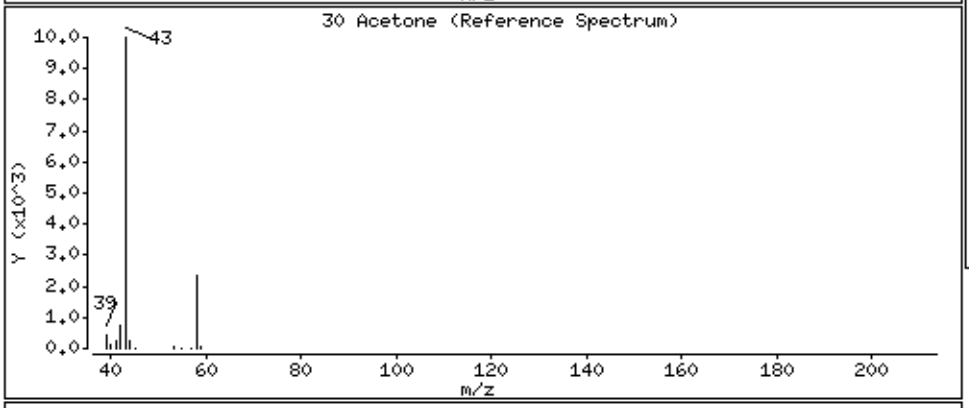
Concentration: 5.368 PPBV

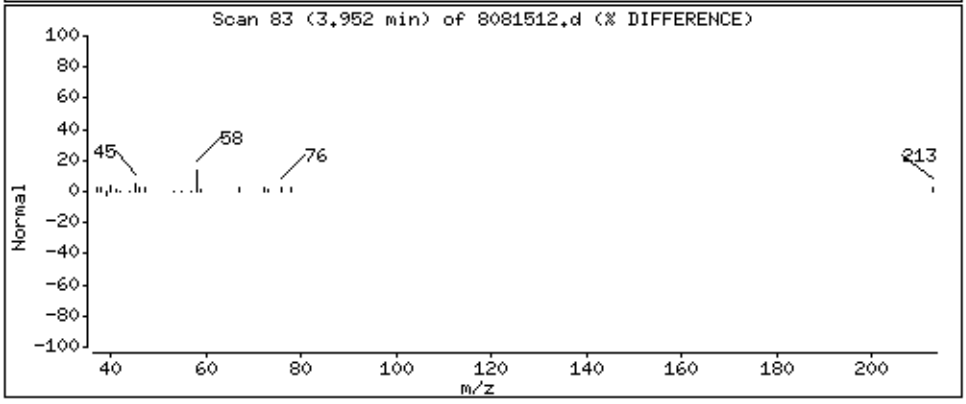












Data File: /var/chem/msd8.i/8-15aug.b/8081512.d

Date : 15-AUG-2008 18:45

Client ID:

Instrument: msd8.i

Sample Info: 200mL #9907

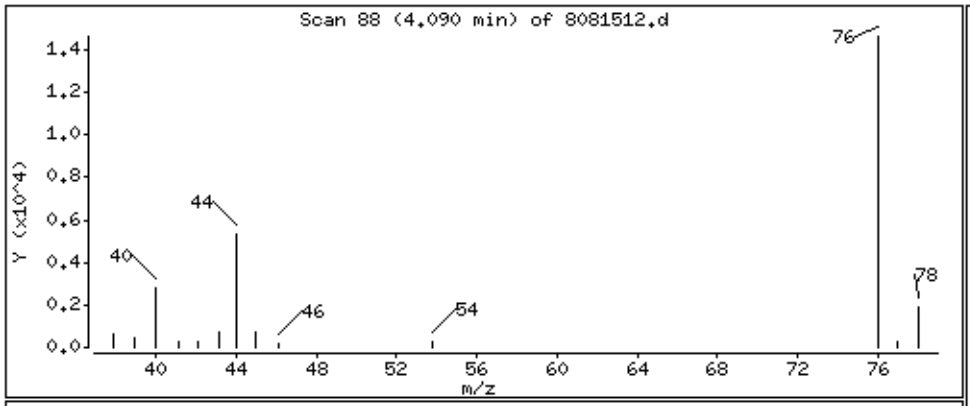
Operator: ct

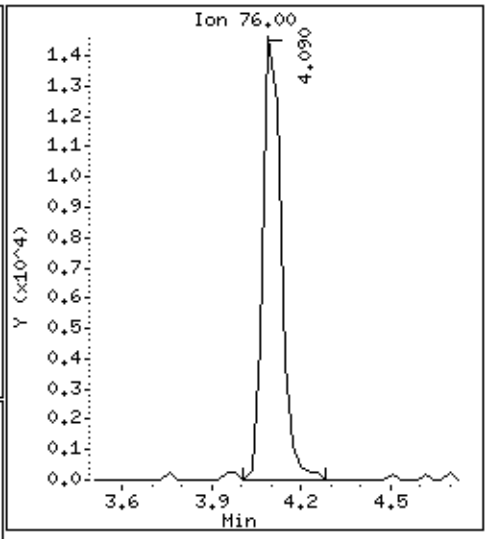
Column phase: RTx-624

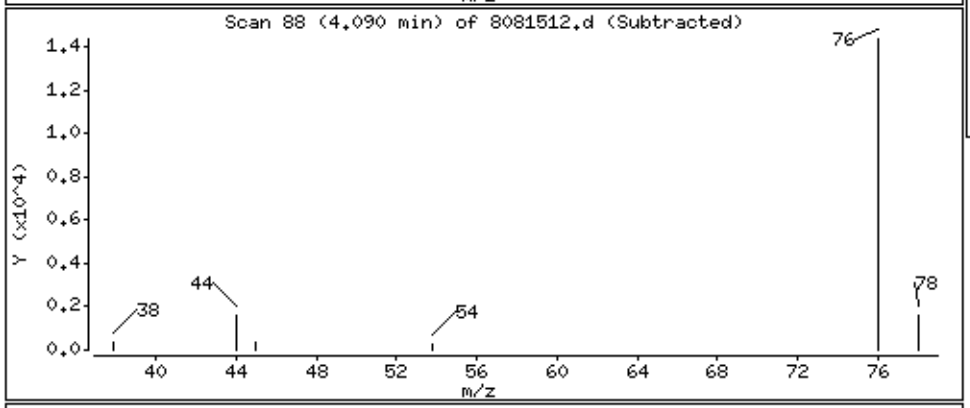
Column diameter: 0.53

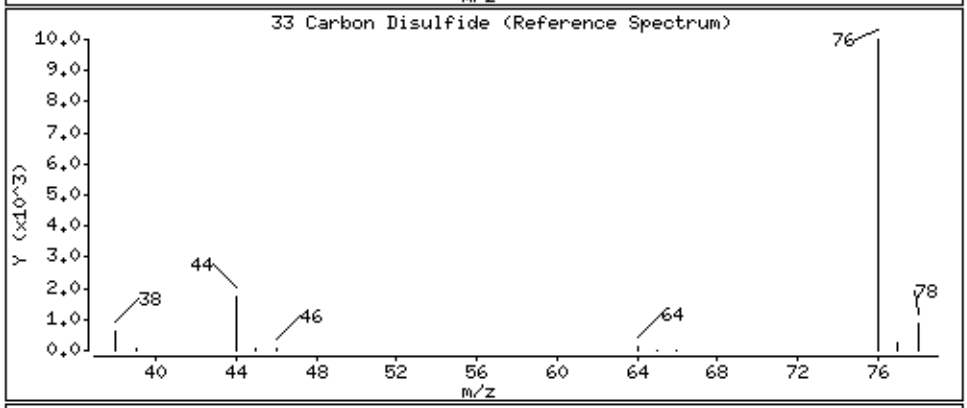
33 Carbon Disulfide

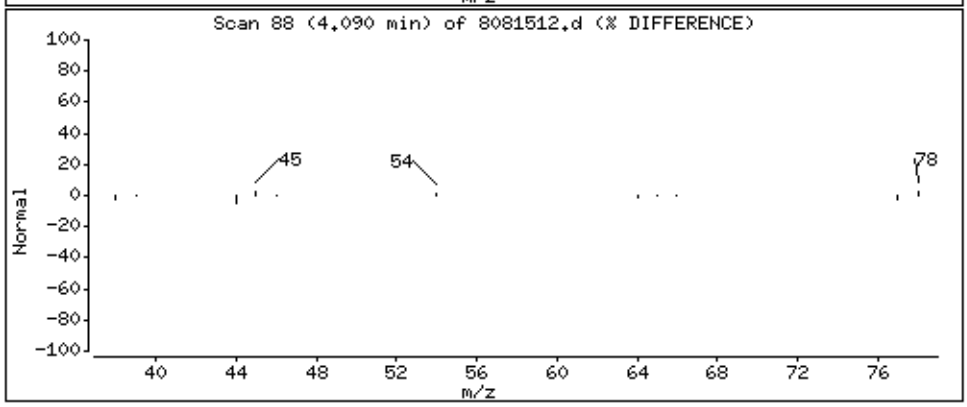
Concentration: 2.778 PPBV











AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 3 DW (9907) Lab Duplicate

Lab ID#: 0808157-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	5.4	8.9	13
Carbon Disulfide	0.94	2.8	2.9	8.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (9907) Lab Duplicate

Lab ID#: 0808157-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081513**	**Date of Collection:**	**8/6/08**
Dil. Factor:	**1.87**	**Date of Analysis:**	**8/15/08 07:28 PM**

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 DW (9907) Lab Duplicate

Lab ID#: 0808157-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081513**	**Date of Collection: 8/6/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 8/15/08 07:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.94	Not Detected	3.8	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
Chloromethane	3.7	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
Acetone	3.7	5.4	8.9	13
Carbon Disulfide	0.94	2.8	2.9	8.7
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Naphthalene	3.7	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /var/chem/msd8.i/8-15aug.b/8081513.d
Lab Smp Id: 0808157-02AA
Inj Date : 15-AUG-2008 19:28
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #9907
Misc Info : 8.5"Hg-5psi GEI
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1
Dil Factor: 1.87000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.159	7.159 (1.000)	130	263448	25.0000		80.00- 120.00	100.00
7.132	7.159 (1.000)	128	201183			50.11- 110.11	76.37
7.132	7.132 (1.000)	49	338228			101.64- 161.64	128.39
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	942998	25.0000		80.00- 120.00	100.00
9.012	9.012 (1.000)	88	145943			0.00- 45.34	15.48
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	767387	25.0000		80.00- 120.00	100.00
14.376	14.376 (1.000)	82	408653			0.00- 30.00	53.25
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.210	8.210 (1.147)	65	335442	21.4293	21.429	80.00- 120.00	100.00
8.210	8.210 (1.147)	67	169210			0.00- 30.00	50.44
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	824017	21.5138	21.514	80.00- 120.00	100.00
11.832	11.832 (1.313)	70	82024			0.00- 30.00	9.95

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	529123			0.00- 30.00	64.21
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	403711	24.8467	24.847	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	564428			112.33- 172.33	139.81
16.035	16.035 (1.115)	176	392681			62.77- 122.77	97.27
30 Acetone					CAS #: 67-64-1		
3.952	3.924 (0.552)	58	21052	2.88324	5.392	80.00- 120.00	100.00
3.924	3.924 (0.548)	43	65007			0.00- 30.00	308.79
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.118 (0.571)	76	63004	1.50151	2.808	80.00- 120.00	100.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081513.d
Lab Smp Id: 0808157-02AA
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 8.5"Hg-5psi GEI

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	263448	-18.33
88 1,4-Difluorobenze	1230926	738556	1723296	942998	-23.39
125 Chlorobenzene-d5	1019312	611587	1427037	767387	-24.72

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.16	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808157-02AA
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 8.5"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	21.429	85.72	70-130
$ 104 Toluene-d8	25.000	21.514	86.06	70-130
$ 140 Bromofluorobenzene	25.000	24.847	99.39	70-130

Data File: /var/chem/msd8.i/8-15aug.b/8081513.d

Page 1

Date : 15-AUG-2008 19:28

Client ID:

Instrument: msd8.i

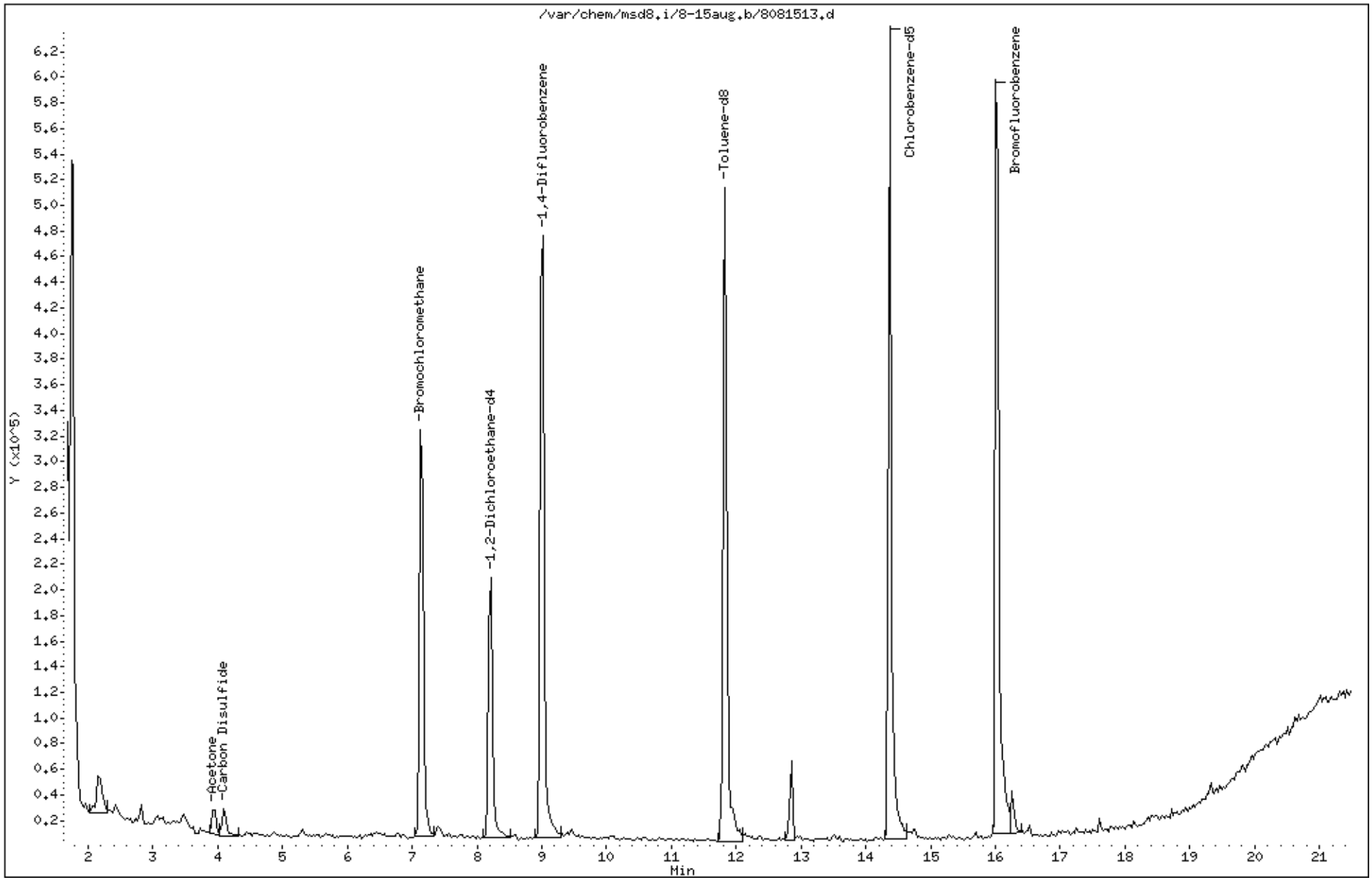
Sample Info: 200mL #9907

Operator: ct

Column phase: RTx-624

Column diameter: 0.53

0032



Data File: /var/chem/msd8.i/8-15aug.b/8081513.d

Date : 15-AUG-2008 19:28

Client ID:

Instrument: msd8.i

Sample Info: 200mL #9907

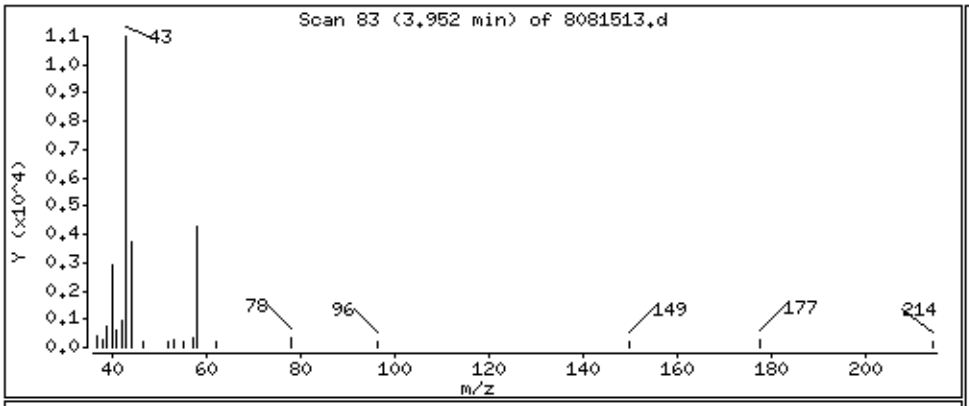
Operator: ct

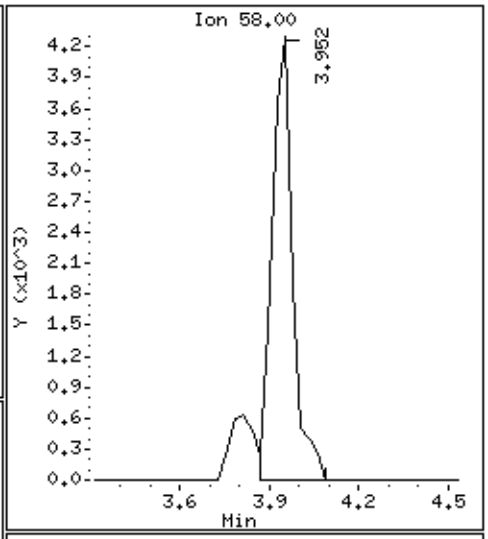
Column phase: RTx-624

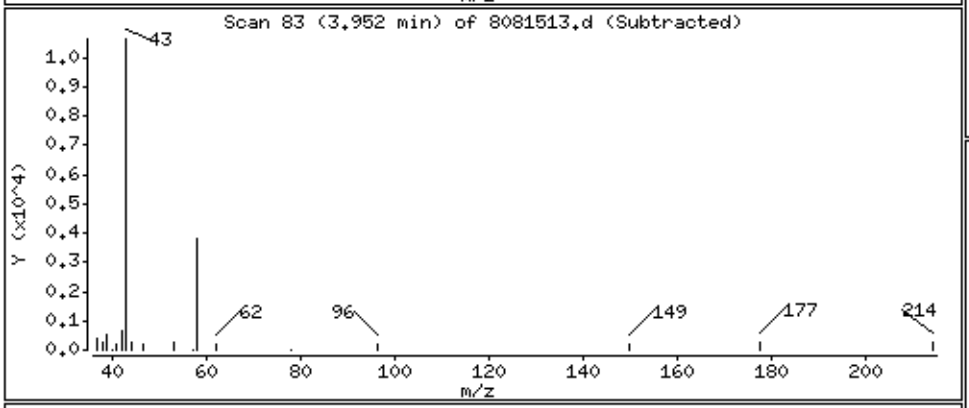
Column diameter: 0.53

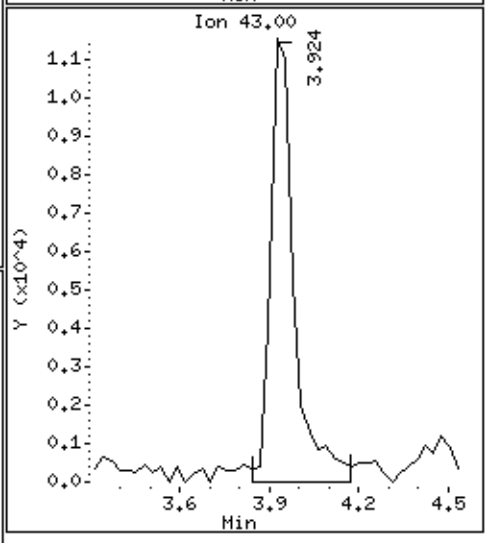
30 Acetone

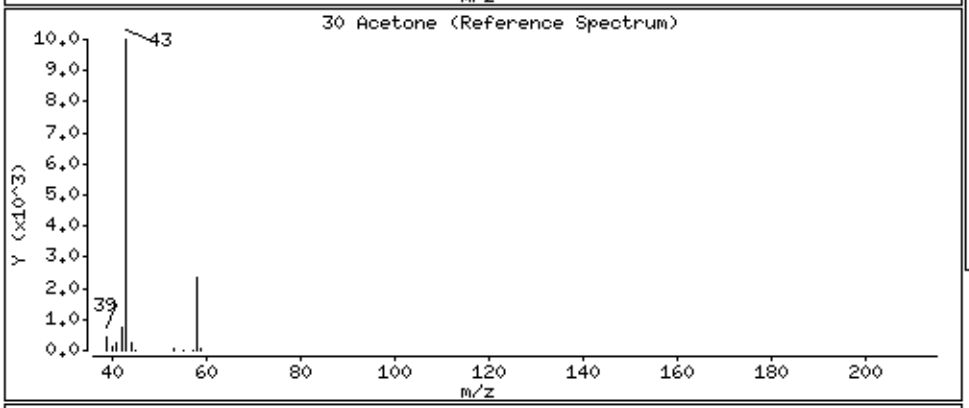
Concentration: 5.392 PPBV

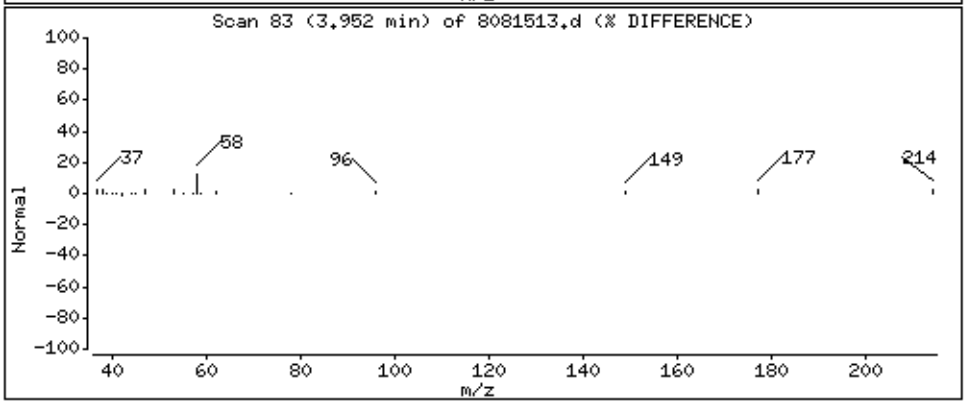












Data File: /var/chem/msd8.i/8-15aug.b/8081513.d

Date : 15-AUG-2008 19:28

Client ID:

Instrument: msd8.i

Sample Info: 200mL #9907

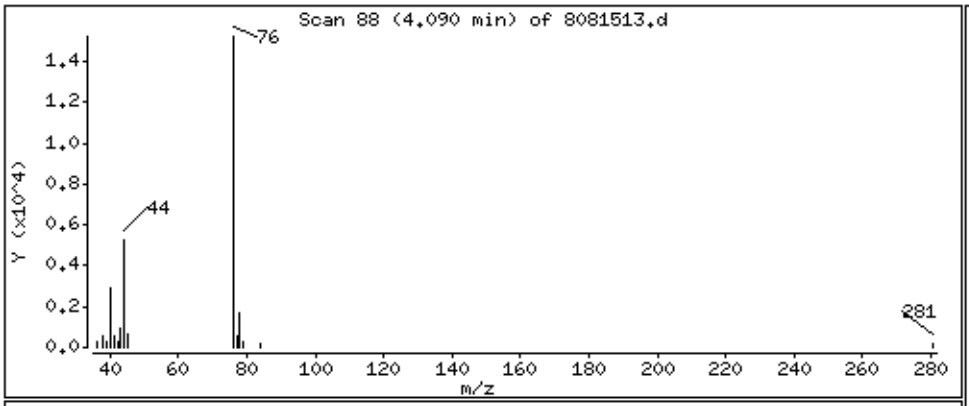
Operator: ct

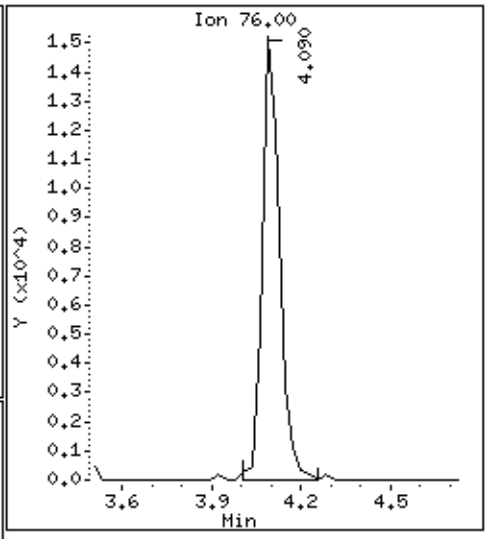
Column phase: RTx-624

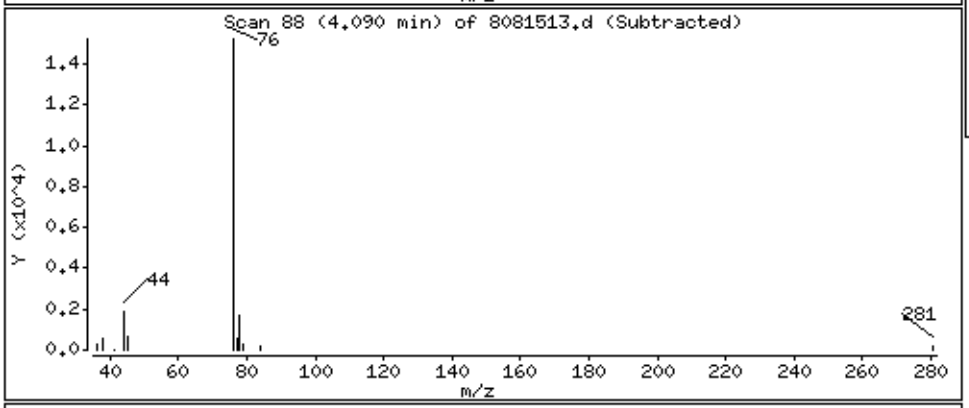
Column diameter: 0.53

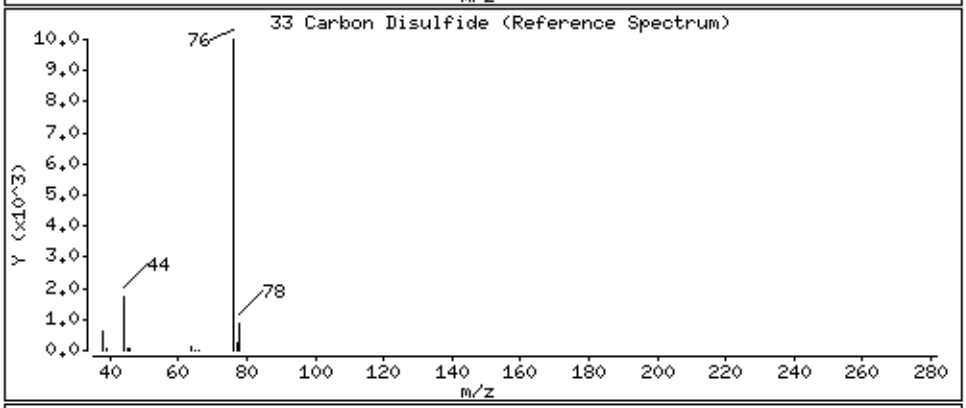
33 Carbon Disulfide

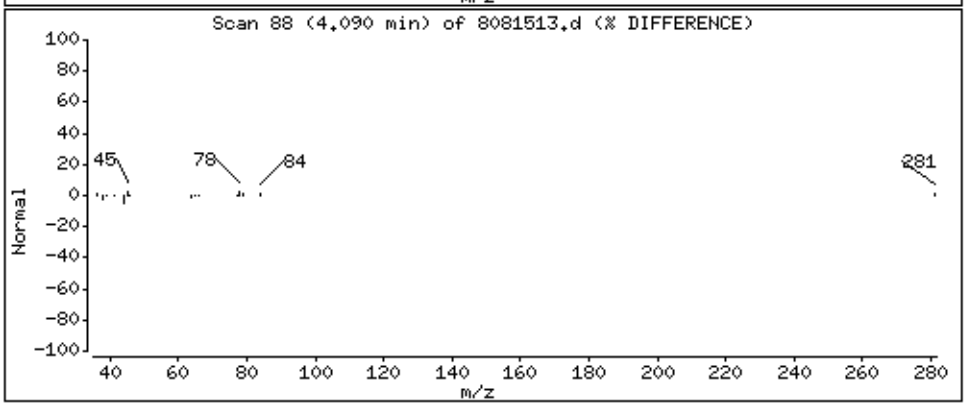
Concentration: 2.808 PPBV











AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 5 UW

Lab ID#: 0808157-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.0	6.6	9.5	16

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 UW

Lab ID#: 0808157-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081514**	**Date of Collection: 8/6/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 8/15/08 08:10 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
Methylene Chloride	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 UW

Lab ID#: 0808157-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081514**	**Date of Collection: 8/6/08**	
Dil. Factor:	**2.01**	**Date of Analysis: 8/15/08 08:10 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.0	Not Detected	4.1	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
Chloromethane	4.0	Not Detected	8.3	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
Acetone	4.0	6.6	9.5	16
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
2-Propanol	4.0	Not Detected	9.9	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	Not Detected	3.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
Ethanol	4.0	Not Detected	7.6	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.7	Not Detected
Naphthalene	4.0	Not Detected	21	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /var/chem/msd8.i/8-15aug.b/8081514.d
Lab Smp Id: 0808157-03A
Inj Date : 15-AUG-2008 20:10
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #21076
Misc Info : 10.0"Hg-5psi GEI
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1
Dil Factor: 2.01000
Integrator: HP RTE Compound Sublist: TO15N.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane						CAS #: 74-97-5		
7.159	7.159 (1.000)	130	262624	25.0000			80.00- 120.00	100.00
7.159	7.159 (1.000)	128	201654				50.11- 110.11	76.78
7.131	7.132 (1.000)	49	352668				101.64- 161.64	134.29
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.012	9.012 (1.000)	114	975169	25.0000			80.00- 120.00	100.00
9.012	9.012 (1.000)	88	149144				0.00- 45.34	15.29
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	745430	25.0000			80.00- 120.00	100.00
14.376	14.376 (1.000)	82	417732				0.00- 30.00	56.04
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.210	8.210 (1.147)	65	326653	20.9333	20.933		80.00- 120.00	100.00
8.210	8.210 (1.147)	67	171089				0.00- 30.00	52.38
$ 104 Toluene-d8						CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	836852	21.1281	21.128		80.00- 120.00	100.00
11.832	11.832 (1.313)	70	85385				0.00- 30.00	10.20

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	539888			0.00- 30.00	64.51
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	382403	24.2285	24.228	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	532782			112.33- 172.33	139.32
16.035	16.035 (1.115)	176	372729			62.77- 122.77	97.47
30 Acetone					CAS #: 67-64-1		
3.952	3.924 (0.552)	58	23939	3.28892	6.611	80.00- 120.00	100.00
3.952	3.924 (0.552)	43	87654			0.00- 30.00	366.16

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081514.d
Lab Smp Id: 0808157-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 10.0"Hg-5psi GEI

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	262624	-18.58
88 1,4-Difluorobenze	1230926	738556	1723296	975169	-20.78
125 Chlorobenzene-d5	1019312	611587	1427037	745430	-26.87

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.16	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808157-03A
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 10.0"Hg-5psi GEI

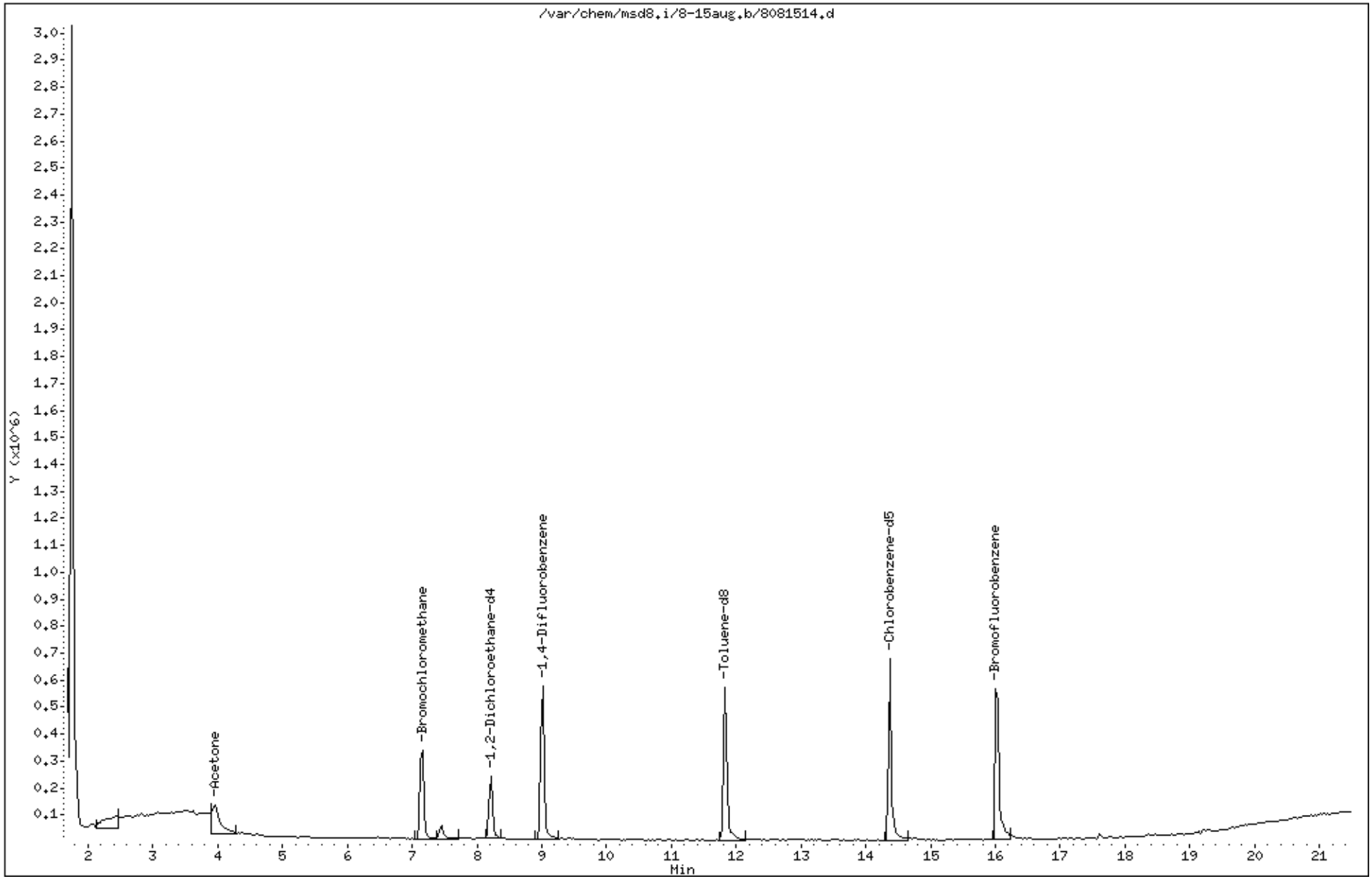
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	20.933	83.73	70-130
$ 104 Toluene-d8	25.000	21.128	84.51	70-130
$ 140 Bromofluorobenzene	25.000	24.228	96.91	70-130

0042

Data File: /var/chem/msd8.i/8-15aug.b/8081514.d
Date : 15-AUG-2008 20:10
Client ID:
Sample Info: 200mL #21076

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

Column phase: RTx-624



Data File: /var/chem/msd8.i/8-15aug.b/8081514.d

Date : 15-AUG-2008 20:10

Client ID:

Instrument: msd8.i

Sample Info: 200mL #21076

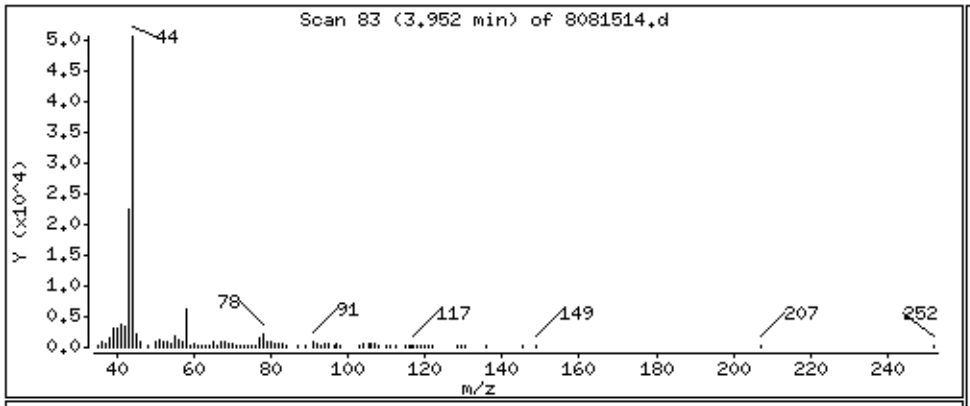
Operator: ct

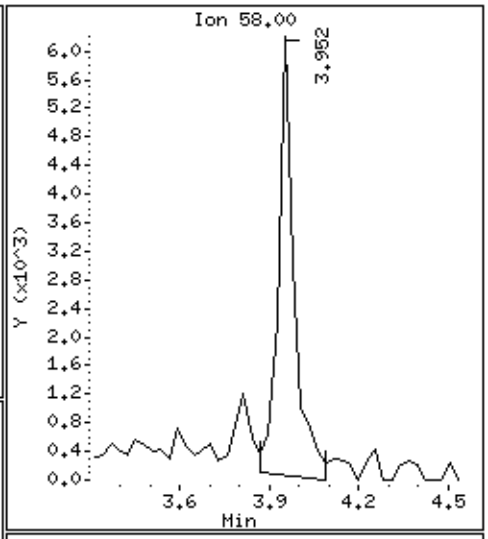
Column phase: RTx-624

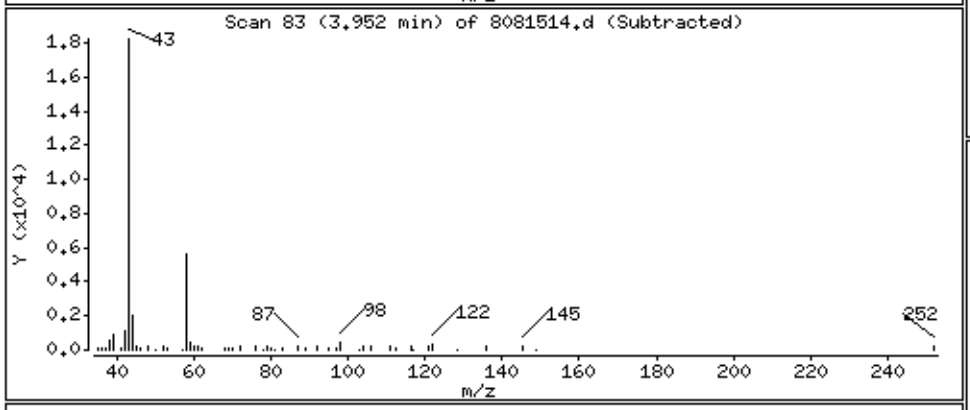
Column diameter: 0.53

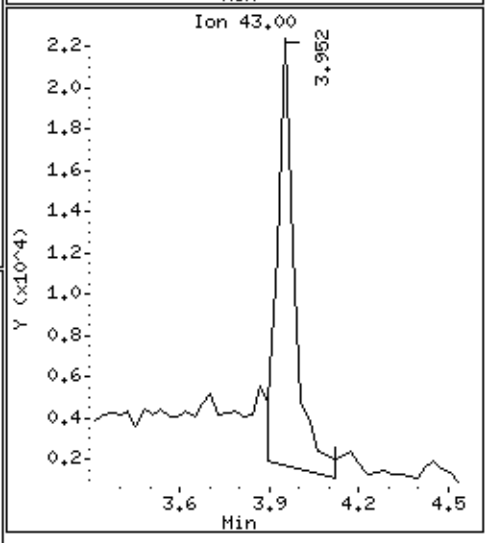
30 Acetone

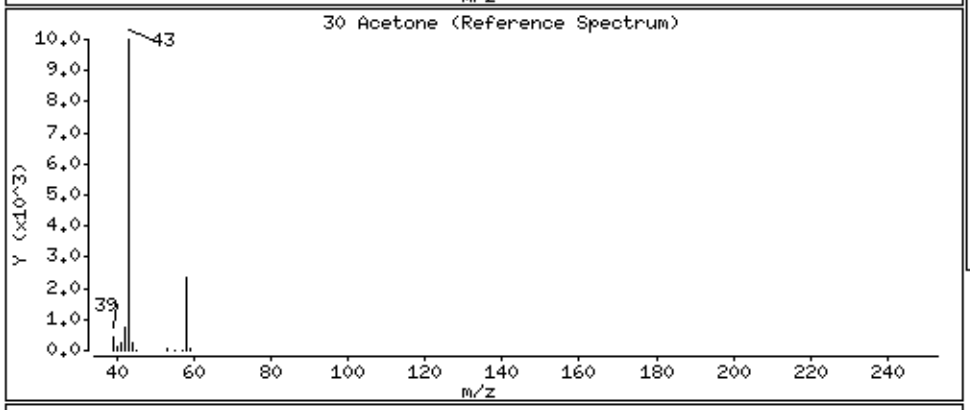
Concentration: 6.611 PPBV

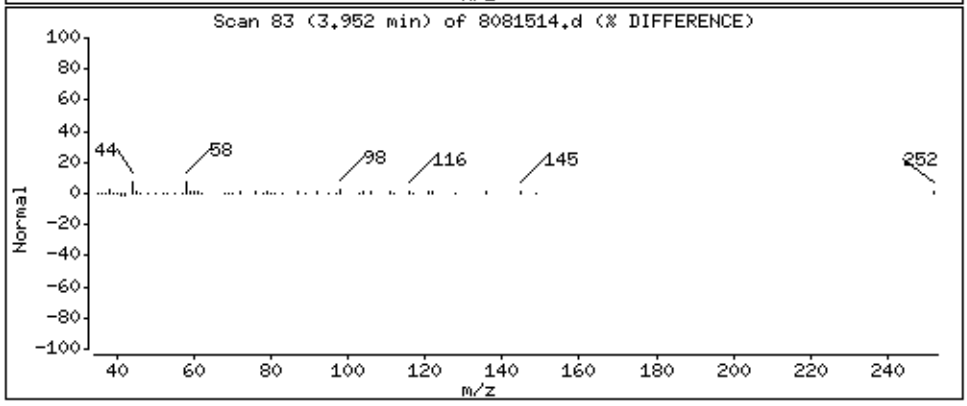












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0808157-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 11:43 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#: 0808157-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 11:43 AM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-15aug.b/8081504.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 15-AUG-2008 11:43
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #4214
Misc Info : Humid Cert Cart #5 Leg 7
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.132	7.159 (1.000)	130	280614	25.0000		80.00- 120.00	100.00
7.132	7.159 (1.000)	128	217229			50.11- 110.11	77.41
7.132	7.132 (1.000)	49	366386			101.64- 161.64	130.57
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	1024555	25.0000		80.00- 120.00	100.00
9.012	9.012 (1.000)	88	160796			0.00- 45.34	15.69
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	826725	25.0000		80.00- 120.00	100.00
14.376	14.376 (1.000)	82	453190			0.00- 30.00	54.82
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.210	8.210 (1.151)	65	350173	21.0018	21.002	80.00- 120.00	100.00
8.210	8.210 (1.151)	67	180296			0.00- 30.00	51.49
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	898380	21.5882	21.588	80.00- 120.00	100.00
11.832	11.832 (1.313)	70	93169			0.00- 30.00	10.37

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	578546			0.00- 30.00	64.40
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	431464	24.6488	24.649	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	604947			112.33- 172.33	140.21
16.035	16.035 (1.115)	176	420843			62.77- 122.77	97.54

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081504.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: Humid Cert Cart #5 Leg 7

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	280614	-13.01
88 1,4-Difluorobenze	1230926	738556	1723296	1024555	-16.77
125 Chlorobenzene-d5	1019312	611587	1427037	826725	-18.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.13	-0.39
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	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: 15-Aug-2008 11:55

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: ct
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: Humid Cert Cart #5 Leg 7

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	21.002	84.01	70-130
$ 104 Toluene-d8	25.000	21.588	86.35	70-130
$ 140 Bromofluorobenzene	25.000	24.649	98.60	70-130

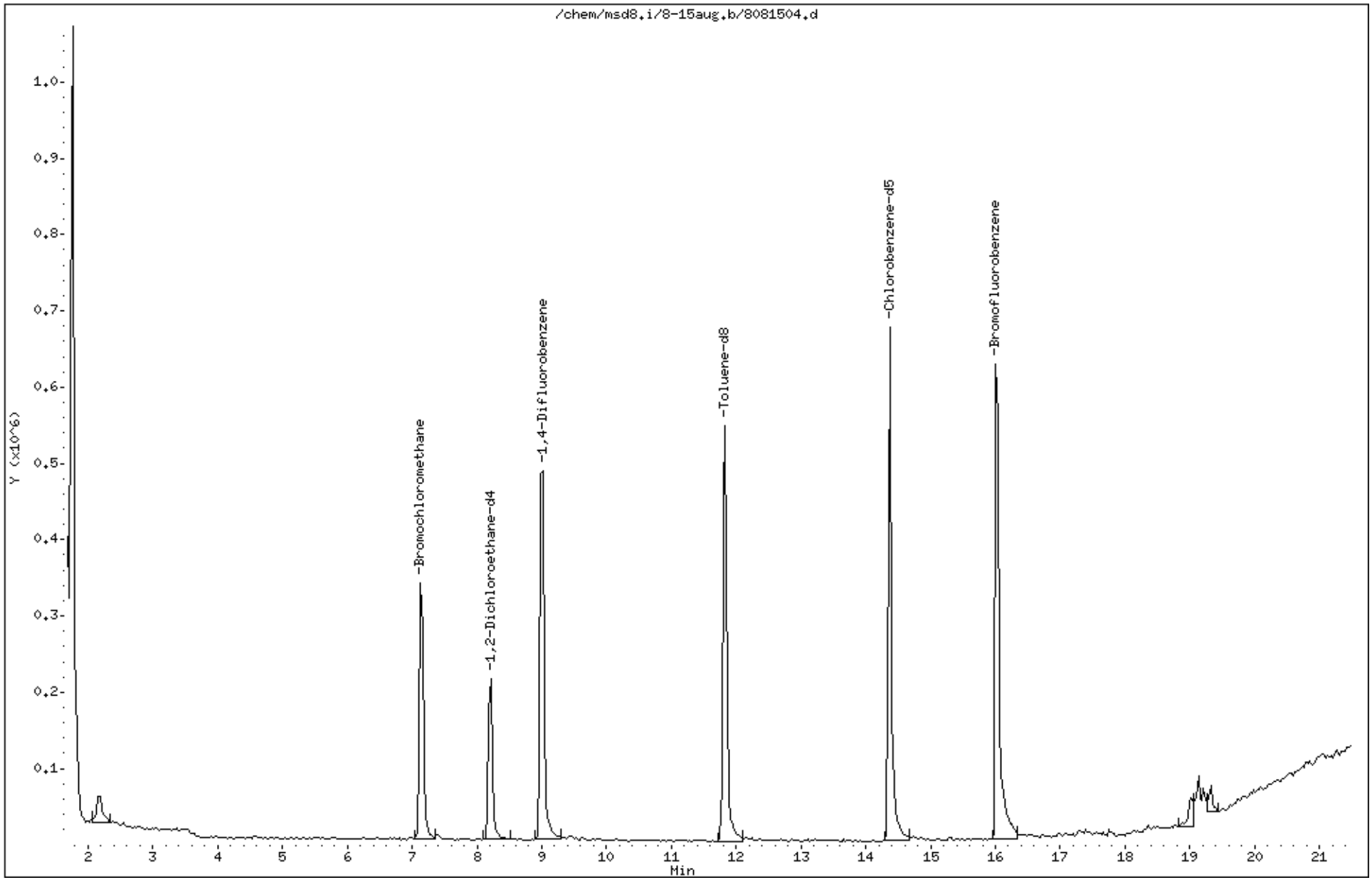
0051

Data File: /chem/msd8.i/8-15aug.b/8081504.d
Date : 15-AUG-2008 11:43
Client ID: Lab Blank
Sample Info: 200mL #4214

Column phase: RTx-624

Instrument: msd8.i

Operator: ct
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0808157

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS 3 DW (25304)	85		87		99				0
02	AMS 3 DW (9907)	84		85		100				0
03	AMS 3 DW (9907) Lab Duplicate	86		86		99				0
04	AMS 5 UW	84		84		97				0
05	Lab Blank	84		86		98				0
06	CCV	88		90		101				0
07	LCS	85		90		99				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: 0808157
Lab File ID: 8081502.d
Date Analyzed: 08/15/2008
Instrument ID: msd8.i
Time Analyzed: 10:07 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1019312		14.38		1230926		9.01		322567		7.16	
	UPPER LIMIT	1427037		14.71		1723296		09.34		451594		07.49	
	LOWER LIMIT	611587		14.05		738556		08.68		193540		06.83	
	CLIENT SAMPLE NO												
01	AMS 3 DW (25304)	784299		14.38		968916		9.01		263956		7.16	
02	AMS 3 DW (9907)	754811		14.38		951096		9.01		265654		7.16	
03	AMS 3 DW (9907) Lab Duplicate	767387		14.38		942998		9.01		263448		7.16	
04	AMS 5 UW	745430		14.38		975169		9.01		262624		7.16	
05	Lab Blank	826725		14.38		1024555		9.01		280614		7.13	
06	CCV	1019312		14.38		1230926		9.01		322567		7.16	
07	LCS	859155		14.38		1024477		9.01		274901		7.13	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: 8081513.d & 8081512.d

Lab Sample ID: 02A & 02AA Dilution: 1.87 & 1.87

Client Sample ID: & Date Analyzed: 8/15/08 & 8/15/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	U	ND	U	0
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	5.368		5.392		0.45
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	2.778		2.808		1.1
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 8081513.d & 8081512.d

Lab Sample ID: 02A & 02AA

Dilution: 1.87 & 1.87

Client Sample ID: &

Date Analyzed: 8/15/08 & 8/15/08

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

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd8.i/8-04aug.b/8080408.d
Level 2: /chem/msd8.i/8-04aug.b/8080409.d
Level 3: /chem/msd8.i/8-06aug.b/8080605.d
Level 4: /chem/msd8.i/8-04aug.b/8080411.d
Level 5: /chem/msd8.i/8-06aug.b/8080606.d
Level 6: /chem/msd8.i/8-04aug.b/8080413.d
Level 7: /chem/msd8.i/8-06aug.b/8080607.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	___ RRF	% RSD
	200.000 Level 7							
1 Freon 152a	+++++	+++++	1.31181	+++++	0.82589	+++++		
	0.82918						0.98896	28.272
2 Freon 22	+++++	+++++	0.56786	+++++	0.38829	+++++		
	0.35694						0.43770	26.001
3 Propylene	+++++	+++++	1.63694	1.04513	1.01295	1.00908		
	0.93743						1.12830	25.440
4 Dichlorodifluoromethane/Fr12	+++++	4.10212	4.00311	3.99431	3.94889	3.92859		
	3.60333						3.93006	4.351
5 Freon134a	+++++	+++++	2.37896	+++++	1.53321	+++++		
	1.40262						1.77160	29.918
6 Freon 114	+++++	3.09273	2.80462	2.87321	2.74253	2.73469		
	2.62816						2.81266	5.671
7 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
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							
8 Chloromethane	+++++	+++++	1.38878	1.13046	1.13465	1.22487		
	1.12254						1.20026	9.441
9 Butane	+++++	+++++	0.47768	0.29671	0.31454	0.31287		
	0.30390						0.34114	22.473
10 1,3-Butadiene	1.41342	1.13094	1.13185	1.07605	1.10430	1.15416		
	1.05351						1.15203	10.449
11 Vinyl Chloride	+++++	1.84915	1.51254	1.49242	1.51734	1.49984		
	1.37729						1.54143	10.347
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
13 Bromomethane	+++++	1.58907	0.89612	1.03780	1.08150	1.10926		
	1.05184						1.12760	21.091
14 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
15 Isopentane	+++++	+++++	2.24672	1.80239	1.79724	1.78565		
	1.64259						1.85492	12.337
16 Chloroethane	+++++	0.79588	0.67290	0.79243	0.79168	0.77488		
	0.74184						0.76160	6.288
17 Dichlorofluoromethane/Fr21	+++++	+++++	3.33081	+++++	2.38990	+++++		
	2.28742						2.66938	21.545

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Trichlorofluoromethane/Fr11	+++++	4.23712	4.32826	4.14264	4.14427	4.16060	3.89556	4.15141	3.479
19 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Freon123a	+++++	+++++	2.27138	+++++	1.66540	+++++	1.61981	1.85220	19.638
21 Freon123	+++++	+++++	3.19263	+++++	2.27371	+++++	2.15587	2.54073	22.341
22 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Ethanol	+++++	+++++	0.65902	0.52566	0.51190	0.49163	0.42314	0.52227	16.467
24 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Freon142b	+++++	+++++	4.23299	+++++	2.92755	+++++	2.74822	3.30292	24.537

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
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
28 Freon 113	+++++	2.87367	2.45887	2.26892	2.27215	2.26321	2.09323	2.37168	11.460
29 1,1-Dichloroethene	+++++	2.94294	2.43555	2.35194	2.32685	2.32669	2.18677	2.42846	10.890
30 Acetone	+++++	+++++	0.75580	0.66002	0.69915	0.69112	0.65831	0.69288	5.717
31 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Freon143a	+++++	+++++	0.84329	+++++	0.60073	+++++	0.51604	0.65335	25.997
33 Carbon Disulfide	+++++	4.05925	4.02184	3.95538	3.98878	4.03611	3.82978	3.98186	2.083
34 2-Propanol	+++++	+++++	2.51926	2.51538	2.53806	2.60583	2.42054	2.51981	2.633
35 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Cyclopentene	+++++	+++++	4.69562	+++++	3.31566	+++++	3.16968	3.72699	22.593
37 3-Chloropropene	+++++	+++++	0.64642	0.68190	0.69791	0.69929	0.66524	0.67815	3.317

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Cal Date : 06-Aug-2008 15:14 cleonard
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 tert-Butyl-Alcohol	+++++	+++++	3.16198	2.90452	2.80683	2.67485	2.15512	2.74066	13.603
39 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Methylene Chloride	+++++	2.13916	1.66366	1.54391	1.56358	1.56825	1.45692	1.65591	14.840
41 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 MTBE	+++++	5.18263	4.45266	4.15083	4.15834	4.17166	3.80145	4.31960	10.895
44 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 trans-1,2-Dichloroethene	+++++	1.80258	1.57050	1.55662	1.54381	1.57536	1.48340	1.58871	6.917
46 Hexane	+++++	2.86291	2.50364	2.46612	2.44201	2.47197	2.33717	2.51397	7.168
47 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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							
48 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
49 Isopropyl ether	+++++	+++++	6.86331	+++++	4.74718	+++++		
	4.60466						5.40505	23.402
50 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
52 1-Propanol	+++++	+++++	0.34683	+++++	0.20665	+++++		
	0.21574						0.25641	30.593
53 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 1,1-Dichloroethane	+++++	2.97370	2.73533	2.59782	2.61928	2.61792		
	2.48323						2.67121	6.306
55 Vinyl Acetate	+++++	+++++	0.53505	0.36903	0.38435	0.38410		
	0.37475						0.40945	17.220
56 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
57 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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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	
58 Ethyl-tert-butyl Ether	+++++	+++++	6.42925	+++++	4.31855	+++++	4.01008	4.91929	26.767	
59 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
60 2,2-Dichloropropane	+++++	+++++	3.57591	+++++	2.66413	+++++	2.57643	2.93883	18.833	
61 Ethyl Acetate	+++++	+++++	0.57256	+++++	0.35198	+++++	0.34368	0.42274	30.707	
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
63 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
64 cis-1,2-Dichloroethene	+++++	2.00718	1.98575	1.99621	1.97324	1.97089	1.86710	1.96673	2.578	
65 2-Butanone	+++++	1.33958	0.70456	0.70553	0.73718	0.72516	0.68958	0.81693	31.409	<-
66 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
67 Tetrahydrofuran	+++++	3.51992	1.88675	1.66817	1.63953	1.65436	1.57959	1.99139	37.971	<-

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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
69 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Chloroform	3.08878	3.12989	2.86118	2.77474	2.77953	2.82428	2.65892	2.87390	6.015
71 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 1,1-Dichloropropene	+++++	+++++	1.07957	+++++	0.75465	+++++	0.72802	0.85408	22.918
73 Cyclohexane	+++++	2.89855	2.20514	2.14867	2.13618	2.14630	2.01318	2.25800	14.176
74 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 1,1,1-Trichloroethane	+++++	3.70586	3.32928	3.24039	3.24382	3.25237	3.07740	3.30819	6.394
76 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	3.24320	3.17011	3.08452	3.12437	3.16071	3.00683	3.13162	2.579
78 Isobutanol	+++++	+++++	0.36749	+++++	0.27411	+++++	0.28363	0.30841	16.661

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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
79 tert-amyl-Methyl Ether	+++++	+++++	5.64210	+++++	3.93199	+++++	3.55052	4.37487	25.461
80 2,2,4-Trimethylpentane	+++++	8.69600	7.63963	7.59187	7.62297	7.72295	7.47876	7.79203	5.774
81 Benzene	1.28507	1.15671	1.13052	1.04547	1.03593	1.00912	1.02678	1.09851	9.033
83 1,2-Dichloroethane	+++++	0.61477	0.54512	0.49725	0.50005	0.48531	0.48331	0.52097	9.815
84 Thiopene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Heptane	+++++	0.18783	0.15160	0.13116	0.12815	0.12736	0.12653	0.14211	17.109
86 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 1-Butanol	+++++	+++++	0.43161	+++++	0.26653	+++++	0.28435	0.32750	27.667
90 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
91 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
92 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
94 Trichloroethene	+++++	0.51560	0.45602	0.46559	0.45368	0.44962	0.44517	0.46428	5.613
95 Methyl Cyclohexane	+++++	3.67594	3.01796	2.86029	2.86851	2.88091	2.72109	3.00412	11.395
96 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
97 1,2-Dichloropropane	+++++	0.42517	0.38843	0.38313	0.37257	0.37078	0.36975	0.38497	5.471
98 1,4-Dioxane	+++++	+++++	0.30353	0.26579	0.26287	0.26114	0.26269	0.27120	6.693
99 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 Bromodichloromethane	+++++	0.80790	0.68930	0.69464	0.70178	0.68932	0.69270	0.71261	6.583

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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							
101 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
102 cis-1,3-Dichloropropene	+++++	0.75167	0.59624	0.57949	0.57118	0.56190		
	0.56158						0.60368	12.199
103 4-Methyl-2-pentanone	+++++	0.43483	0.38333	0.34657	0.33473	0.32945		
	0.33040						0.35989	11.639
105 Toluene	+++++	1.45136	1.26025	1.28337	1.27009	1.24142		
	1.25418						1.29344	6.081
106 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
108 trans-1,3-Dichloropropene	+++++	0.90535	0.69961	0.66375	0.65843	0.65198		
	0.64892						0.70467	14.190
109 1,3-Dichloropropane	+++++	+++++	0.85923	+++++	0.59153	+++++		
	0.56903						0.67327	23.979
110 1,1,2-Trichloroethane	+++++	0.63378	0.48456	0.47066	0.48119	0.46047		
	0.45906						0.49829	13.484
111 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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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
112 Tetrachloroethene	+++++	0.72124	0.59072	0.58028	0.57080	0.57177	0.57130	0.60102	9.883
113 Butyl Acetate	+++++	+++++	0.44287	+++++	0.39745	+++++	0.39820	0.41284	6.301
114 2-Hexanone	+++++	+++++	0.55536	0.52583	0.53013	0.50661	0.50837	0.52526	3.764
115 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 Dibromochloromethane	+++++	0.82916	0.74493	0.72725	0.75368	0.75974	0.77904	0.76563	4.635
117 1,2-Dibromoethane	0.93906	0.76011	0.74334	0.73933	0.74600	0.74835	0.73808	0.77347	9.488
118 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Diisobutyl Ketone	+++++	+++++	1.45538	+++++	1.21378	+++++	1.29837	1.32251	9.270
121 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
122 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 1,1,1,2-Tetrachloroethane	+++++	+++++	0.75957	+++++	0.55112	+++++	0.54613	0.61894	19.682
124 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
126 Chlorobenzene	+++++	1.23083	1.29039	1.19690	1.16239	1.15676	1.15503	1.19872	4.481
127 Bis(2-chloroethyl) ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 Ethyl Benzene	+++++	0.72097	0.58916	0.59892	0.60174	0.60723	0.60884	0.62114	7.954
130 m,p-Xylene	+++++	0.73097	0.86029	0.77605	0.79082	0.78837	0.80287	0.79156	5.292
131 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
132 o-Xylene	+++++	0.80525	0.76497	0.76003	0.75882	0.76965	0.76139	0.77002	2.299

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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
133 2-Heptanone	+++++	+++++	0.66508	+++++	0.62105	+++++	0.69842	0.66152	5.867
134 Styrene	1.23105	1.17347	1.09056	1.13272	1.16484	1.16418	1.19660	1.16477	3.842
135 Bromoform	+++++	0.60910	0.56017	0.58673	0.61992	0.63848	0.66700	0.61357	6.145
136 Cyclohexanone	+++++	+++++	0.65426	+++++	0.50376	+++++	0.52457	0.56087	14.540
137 Cumene	2.58934	2.26756	2.23156	2.18077	2.21747	2.18770	2.18136	2.26511	6.465
138 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Bromobenzene	+++++	+++++	0.98120	+++++	0.69944	+++++	0.66481	0.78182	22.196
141 1,2,3-Trichloropropane	+++++	+++++	0.48747	+++++	0.33210	+++++	0.32606	0.38188	23.960
142 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 2-Chlorotoluene	+++++	+++++	0.77512	+++++	0.56580	+++++	0.55930	0.63341	19.383

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	200.000 Level 7							
144 1,1,2,2-Tetrachloroethane	+++++	1.17897	1.03079	0.98458	1.01667	0.99164		
	1.00669						1.03489	7.009
145 Propylbenzene	+++++	2.46667	2.61767	2.54582	2.67654	2.64942		
	2.19740						2.52559	7.043
146 4-Chlorotoluene	+++++	+++++	0.73167	+++++	0.49601	+++++		
	0.51024						0.57931	22.811
147 4-Ethyltoluene	+++++	2.09223	2.24947	2.29143	2.39566	2.47007		
	2.04363						2.25708	7.375
148 1,3,5-Trimethylbenzene	2.21228	2.15482	1.98639	1.91851	1.94508	1.91316		
	1.94508						2.01076	6.044
149 2,6-Dimethyl-1-propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 tert-Butylbenzene	+++++	+++++	3.25792	+++++	2.24681	+++++		
	2.31891						2.60788	21.631
151 Pentachloroethane	+++++	+++++	0.58100	+++++	0.45202	+++++		
	0.48615						0.50639	13.198
152 sec-Butylbenzene	+++++	+++++	3.61625	+++++	2.65133	+++++		
	2.49309						2.92022	20.819
153 1,2,4-Trimethylbenzene	2.24788	2.13455	2.13412	2.06719	2.14108	2.15194		
	1.77511						2.09312	7.164

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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
154 p-Cymene	+++++	+++++	0.82981	+++++	0.62527	+++++	0.65124	0.70211	15.860
155 1,2,3-Trimethylbenzene	+++++	+++++	1.12127	+++++	0.85894	+++++	0.86567	0.94863	15.765
156 1,3-Dichlorobenzene	+++++	1.20020	1.19551	1.13949	1.18478	1.18525	1.18503	1.18171	1.834
157 1,4-Dichlorobenzene	+++++	1.58864	1.67822	1.46763	1.50956	1.51367	1.42861	1.53106	5.860
158 alpha-Chlorotoluene	+++++	1.33180	1.59256	1.62217	1.66953	1.71599	1.75295	1.61417	9.312
159 Butylbenzene	+++++	+++++	0.78614	+++++	0.63465	+++++	0.67180	0.69753	11.319
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.54277	1.33718	1.19573	1.23175	1.25881	1.23110	1.29956	9.872
162 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
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
164 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.75680	+++++	0.60168	+++++	0.63155	0.66334	12.408
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 1,2,4-Trichlorobenzene	+++++	+++++	1.31714	0.95463	1.00631	0.98125	1.00689	1.05324	14.154
168 Hexachlorobutadiene	+++++	+++++	0.88779	0.66114	0.64818	0.65104	0.63665	0.69696	15.357
169 Naphthalene	+++++	+++++	3.17744	2.17716	2.27261	2.23217	2.21412	2.41470	17.715
170 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
172 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
198 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-06aug.b/t14q804b.m
Cal Date : 06-Aug-2008 15:14 cleonard
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
199 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 82 1,2-Dichloroethane-d4	1.45022	1.43919	1.43626	1.41646	1.50194	1.57819	1.57583	1.48544	4.566
$ 104 Toluene-d8	0.99665	1.01629	1.00884	1.01910	1.01278	1.02532	1.02901	1.01543	1.063
$ 140 Bromofluorobenzene	0.51480	0.52309	0.52611	0.53163	0.54494	0.52687	0.53789	0.52933	1.871

Calibration History

Method : /chem/msd8.i/8-06aug.b/t14q804b.m
Start Cal Date: 04-AUG-2008 23:47
End Cal Date : 06-AUG-2008 12:38

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
04-AUG-2008 23:47	AFCEElow	/chem/msd8.i/8-04aug.b/8080408.d
Cal Level: 2 , Cal Amount: 0.50000		
05-AUG-2008 00:15	AT08Low	/chem/msd8.i/8-04aug.b/8080409.d
Cal Level: 3 , Cal Amount: 2.00000		
06-AUG-2008 11:39	sp36b	/chem/msd8.i/8-06aug.b/8080605.d
05-AUG-2008 00:43	AT08mdl	/chem/msd8.i/8-04aug.b/8080410.d
Cal Level: 4 , Cal Amount: 25.00000		
05-AUG-2008 01:11	AT08mdl	/chem/msd8.i/8-04aug.b/8080411.d
Cal Level: 5 , Cal Amount: 50.00000		
06-AUG-2008 12:07	sp36b	/chem/msd8.i/8-06aug.b/8080606.d
05-AUG-2008 01:39	AT08mdl	/chem/msd8.i/8-04aug.b/8080412.d
Cal Level: 6 , Cal Amount: 100.00000		
05-AUG-2008 02:07	AT08mdl	/chem/msd8.i/8-04aug.b/8080413.d
Cal Level: 7 , Cal Amount: 200.00000		
06-AUG-2008 12:38	sp36b	/chem/msd8.i/8-06aug.b/8080607.d
05-AUG-2008 02:37	AT08mdl	/chem/msd8.i/8-04aug.b/8080414.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
06-AUG-2008 09:25	AT08	/chem/msd8.i/8-06aug.b/8080602.d
Ccal Level: 5 , Ccal Amount: 50.000		
06-AUG-2008 12:07	sp36b	/chem/msd8.i/8-06aug.b/8080606.d
Ccal Level: 5 , Ccal Amount: 50.000		
06-AUG-2008 12:07	sp36bCCV	/chem/msd8.i/8-06aug.b/8080606a.d
Ccal Level: 5 , Ccal Amount: 50.000		
06-AUG-2008 12:07	sp36b	/chem/msd8.i/8-06aug.b/8080606a.d

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MSD-8

Logbook #: 1647

0079

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.97
75	30.0 – 60.0% of mass 95	46.07
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.53
173	Less than 2.0% of mass 174	(0.92)[1]
174	50.0 – 100% of mass 95	62.77
175	5.0 – 9.0% of mass 174	(7.47)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.54)[1]
177	5.0 – 9.0% of mass 176	(6.26)[2]

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

BFB Injection Date: 8/4/08
BFB Injection Time: 2308
BFB File ID: 8080407
Tekmar Purge Flow: 2 ml 8-6-08
Vacuum:

IS/S Std.#:	1541-215	Exp. Date: 10-16-08
BCM	29500	
1,4-DFB	1202703	
CB-d5	1079897	

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

Verify 176/174 m/z Ratio: 923840/956928 ×100 = 96.54

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 439319\ )}{(\ 292500\ )} \times \frac{(\ 25\ )}{(\ 1.78429\ )} =$ 2 ml 8-6-08

File ID:	8080412
Compound:	1,2-DCA-d4
Initials:	C.T.

Reported Result 25.278

Method: TI4q804a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8080407	BFB Time Check	1476 278	50ml	2.0mL	1.00	DM	8/4/08	2308	DM C.T.	
2	✓	08	ICAL level 1 (100 ppbv)	1612 92	0.3ppbv	0.3ml			↓	2347	C.T.	TI4q804a
3	✓	09	2	1612-92	0.5ppbv	0.5ml			8/5/08	0015		
4	✓	10	3		2.0ppbv	2.0mL				0043		
5	✓	11	4		25ppbv	25ml				0111		
6	✓	12	5		50ppbv	50mL				0139		
7	✓	13	6		100ppbv	100mL				0207		

C Taylor
Signature

8-5-08
Date

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

8	↘	80804 14	ICAL level 7	1612-92	200ppbv	200mL	1.00	cc for dm	8-5-08	0237	C.T.	
9	↘	15	System Blank	4214	Humid	200mL	↓	↓	↓	0307	C.T.	
10	↘	↓ 16	LCS-1 (200ppbv)	1612-72	50ppbv	50mL	↓	↓	↓	0335	C.T.	ICAL LCS
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												8-5-08 CT

100

Comments:

C Taylor
Signature

8-5-08
Date

@ Air Toxics Ltd. **MSD-8** Logbook #: 1647

0078

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.37
75	30.0 – 60.0% of mass 95	45.68
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.65
173	Less than 2.0% of mass 174	(0.91)[1]
174	50.0 – 100% of mass 95	64.61
175	5.0 – 9.0% of mass 174	(7.17)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.32)[1]
177	5.0 – 9.0% of mass 176	(6.52)[2]

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

BFB Injection Date: 8-6-08
BFB Injection Time: 0905
BFB File ID: 8080601
Tekmar Purge Flow:
Vacuum: $9.8 * 10^{-6}$

IS/S Std.#:	1541-215	Exp. Date: 10-16-08
BCM	344402	
1,4-DFB	1422031	
CB-d5	1295803	

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

Verify 176/174 m/z Ratio: 1290752 / 1340416 * 100 = 96.29 OK

NOAH Cart #: 11 **File #:** 8080604

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 145521\ )}{(\ 1422031\ )} \times \frac{(\ 25\ )}{(\ 1.01543\ )} =$ 25.131

File ID:	8080602
Compound:	Toluene-d8
Initials:	MZ

Reported Result 25.131

Method: ~~T14g 8046~~ T14g 8046b

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8080601	BFB Tune Check	1476-278	50 ng	2 µL	1.00	MZ	8-6-08	0905	MZ / CT	
2	✓	8080602	CCV-1 50ppbv (200ppbv)	1612-92	50 ppbv	50 mL	1.00	MZ	8-6-08	0925	MZ / CT	ϕ ont
3	✓	↓ 03	LCS-1 50ppbv (200ppbv)	1612-72	↓	↓	↓	↓	↓	0953	MZ / CT	ϕ ont
4	✓	8080604	Lab Blank	4214	Humid	200 mL	1.00	MZ	8-6-08	1056	MZ / CT	Cert Cart #11 Leg #8
5	✓	8080605	ICAL Level 3	1612-99	20 ppbv	2.0 mL	↓	↓	↓	1139	MZ / CT	T14g 8046 Aerojet SP 8360
6	✓	↓ 06	↓ Level 5	↓	50 ppbv	50 mL	↓	↓	↓	1207	MZ / CT	
7	✓	↓ 07	↓ Level 7	↓	200 ppbv	200 mL	↓	↓	↓	1238	MZ / CT	

Signature

8-6-08
Date

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-8 on 8-04-2008.

The following compounds used either 0.3ppbv as the lowest calibration concentration: Chloroform, Benzene, Cumene, 1,3-Butadiene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dibromoethane and Styrene.

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080416.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 05-AUG-2008 03:35
Operator : smd Inst ID: msd8.i
Smp Info : 50mL #1612-72
Misc Info : 200ppbv ->50ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:48 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 02:37 Cal File: 8080414.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.132	7.132 (1.000)	130	296743	25.0000		70.00- 130.00	100.00
7.132	7.132 (1.000)	128	223619			47.98- 107.98	75.36
7.132	7.132 (1.000)	49	383484			106.00- 166.00	129.23
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	1208939	25.0000		70.00- 130.00	100.00
8.984	9.012 (1.000)	88	199853			0.00- 46.07	16.53
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	1071330	25.0000		70.00- 130.00	100.00
14.376	14.376 (1.000)	82	593625			0.00- 30.00	55.41
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.182	8.210 (1.147)	65	435998	24.7280	24.728	70.00- 130.00	100.00
8.182	8.210 (1.147)	67	252798			0.00- 30.00	57.98
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	1222480	24.8960	24.896	70.00- 130.00	100.00
11.832	11.832 (1.313)	70	127346			0.00- 30.00	10.42

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	845641			0.00- 30.00	69.17
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	590369	26.0263	26.026	70.00- 130.00	100.00
16.007	16.035 (1.113)	95	884982			118.42- 178.42	149.90
16.035	16.035 (1.115)	176	574551			67.67- 127.67	97.32
3 Propylene					CAS #: 115-07-1		
1.906	1.906 (0.267)	41	647152	48.3214	48.321	70.00- 130.00	100.00
1.906	1.906 (0.267)	42	440326			0.00- 30.00	68.04
1.906	1.906 (0.267)	39	479475			0.00- 30.00	74.09
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.961 (0.275)	85	2368366	50.7702	50.770	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	769165			0.00- 30.00	32.48
6 Freon 114					CAS #: 76-14-2		
2.044	2.072 (0.287)	135	1633706	48.9347	48.935	70.00- 130.00	100.00
2.044	2.072 (0.287)	137	508538			1.42- 61.42	31.13
8 Chloromethane					CAS #: 74-87-3		
2.155	2.155 (0.302)	50	711942	49.9723	49.972	70.00- 130.00	100.00
2.155	2.155 (0.302)	52	211910			0.00- 30.00	29.77
11 Vinyl Chloride					CAS #: 75-01-4		
2.293	2.293 (0.322)	62	892391	48.7743	48.774	70.00- 130.00	100.00
2.293	2.293 (0.322)	64	287483			0.00- 30.00	32.21
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.293 (0.322)	54	641814	46.9358	46.936	70.00- 130.00	100.00
2.293	2.293 (0.322)	39	422286			0.00- 30.00	65.80
13 Bromomethane					CAS #: 74-83-9		
2.708	2.708 (0.380)	94	641284	47.9133	47.913	70.00- 130.00	100.00
2.708	2.708 (0.380)	96	602904			66.53- 126.53	94.02
16 Chloroethane					CAS #: 75-00-3		
2.791	2.818 (0.391)	64	466288	51.5806	51.580	70.00- 130.00	100.00
2.791	2.818 (0.391)	49	127020			0.00- 30.00	27.24
2.791	2.818 (0.391)	66	145973			0.00- 30.00	31.31
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	2480219	50.3331	50.333	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	1594028			34.28- 94.28	64.27

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.344	3.371 (0.469)	45	313463	50.5650	50.565	70.00- 130.00	100.00
3.344	3.371 (0.469)	43	69327			0.00- 30.00	22.12
3.344	3.371 (0.469)	46	128021			0.00- 30.00	40.84
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	1525030	54.1730	54.173	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	962200			34.49- 94.49	63.09
3.758	3.758 (0.527)	101	1849983			92.46- 152.46	121.31
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	1545116	53.6032	53.603	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	913649			29.64- 89.64	59.13
3.786	3.786 (0.531)	98	589353			7.66- 67.66	38.14
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	417917	50.8149	50.815	70.00- 130.00	100.00
3.924	3.924 (0.550)	43	1354920			0.00- 30.00	324.21
34 2-Propanol					CAS #: 67-63-0		
4.090	4.090 (0.574)	45	1538974	51.4544	51.454	70.00- 130.00	100.00
4.090	4.090 (0.574)	43	357595			0.00- 30.00	23.24
4.090	4.090 (0.574)	59	62010			0.00- 30.00	4.03
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	2383699	50.4342	50.434	70.00- 130.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.367	4.367 (0.612)	76	426291	52.9588	52.959	70.00- 130.00	100.00
4.367	4.367 (0.612)	41	1139331			0.00- 30.00	267.27
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.615 (0.643)	49	1003563	51.0584	51.058	70.00- 130.00	100.00
4.588	4.615 (0.643)	84	758246			46.03- 106.03	75.56
4.588	4.615 (0.643)	51	298448			0.00- 30.00	29.74
43 MTBE					CAS #: 1634-04-4		
4.920	4.920 (0.690)	73	2404173	46.8902	46.890	70.00- 130.00	100.00
4.920	4.920 (0.690)	57	545228			0.00- 52.36	22.68
4.920	4.920 (0.690)	41	522964			0.00- 30.00	21.75
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	938716	49.7793	49.779	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	1352856			117.81- 177.81	144.12
4.975	4.975 (0.698)	98	589629			0.00- 30.00	62.81

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	1474676	49.4192	49.419	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	884297			0.00- 30.00	59.97
5.307	5.307 (0.744)	86	277576			0.00- 30.00	18.82
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.722	5.721 (0.802)	63	1620597	51.1124	51.112	70.00- 130.00	100.00
5.722	5.721 (0.802)	65	511461			1.12- 61.12	31.56
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	234567	48.2637	48.264	70.00- 130.00	100.00
5.777	5.804 (0.810)	43	2218318			0.00- 30.00	945.71
5.777	5.804 (0.810)	42	201049			0.00- 30.00	85.71
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	427876	44.1257	44.126	70.00- 130.00	100.00
6.772	6.772 (0.950)	43	1683120			352.72- 412.72	393.37
6.772	6.772 (0.950)	57	133977			0.00- 30.00	31.31
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	1208853	51.7831	51.783	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	907275			44.78- 104.78	75.05
6.717	6.717 (0.942)	98	561500			17.70- 77.70	46.45
67 Tetrahydrofuran					CAS #: 109-99-9		
7.132	7.132 (1.000)	42	967938	40.9497	40.950	70.00- 130.00	100.00
7.132	7.132 (1.000)	71	374366			7.84- 67.84	38.68
7.132	7.132 (1.000)	72	395098			0.00- 30.00	40.82
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	1689339	49.5227	49.523	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	1095095			34.57- 94.57	64.82
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	1953885	49.7586	49.759	70.00- 130.00	100.00
7.519	7.519 (1.054)	99	1276320			34.20- 94.20	65.32
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	1295104	48.3214	48.321	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	1478117			86.25- 146.25	114.13
7.491	7.491 (1.050)	41	802286			33.52- 93.52	61.95
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	1868333	50.2625	50.262	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	1917539			73.55- 133.55	102.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.210	8.210 (1.151)	57	4551287	49.2089	49.209	70.00- 130.00	100.00
8.210	8.210 (1.151)	56	1450256			0.00- 30.00	31.86
8.182	8.210 (1.147)	41	1158373			0.00- 30.00	25.45
81 Benzene					CAS #: 71-43-2		
8.155	8.155 (0.905)	78	2546759	47.9422	47.942	70.00- 130.00	100.00
8.155	8.155 (0.905)	77	589828			0.00- 30.00	23.16
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	1239506	49.2010	49.201	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	400928			0.00- 30.00	32.35
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	315214	45.8700	45.870	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	1551256			0.00- 30.00	492.13
8.597	8.597 (0.954)	71	944231			0.00- 30.00	299.55
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	1132600	50.4466	50.447	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	1172004			74.03- 134.03	103.48
9.399	9.399 (1.043)	97	729858			33.83- 93.83	64.44
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.897	9.896 (1.098)	63	920993	49.4723	49.472	70.00- 130.00	100.00
9.897	9.896 (1.098)	62	635544			40.79- 100.79	69.01
9.897	9.896 (1.098)	41	541507			29.63- 89.63	58.80
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	629525	48.0011	48.001	70.00- 130.00	100.00
10.145	10.145 (1.126)	58	436114			40.70- 100.70	69.28
10.145	10.145 (1.126)	57	135520			0.00- 30.00	21.53
100 Bromodichloromethane					CAS #: 75-27-4		
10.450	10.449 (1.160)	83	1712764	49.7031	49.703	70.00- 130.00	100.00
10.450	10.449 (1.160)	85	1094886			33.28- 93.28	63.93
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.390	11.390 (1.264)	75	1392614	47.7047	47.705	70.00- 130.00	100.00
11.390	11.390 (1.264)	77	426995			1.43- 61.43	30.66
11.390	11.390 (1.264)	39	686422			19.82- 79.82	49.29
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	819354	47.0807	47.081	70.00- 130.00	100.00
11.749	11.749 (1.304)	43	1985507			0.00- 30.00	242.33
11.749	11.749 (1.304)	85	375042			0.00- 30.00	45.77

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
11.970	11.943 (1.328)	91	3218992	51.4645	51.464	70.00- 130.00	100.00
11.943	11.943 (1.325)	92	1969909			30.55- 90.55	61.20
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	1434263	47.4960	47.496	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	455223			1.82- 61.82	31.74
12.606	12.606 (0.877)	39	663193			16.70- 76.70	46.24
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	1043442	48.8658	48.866	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	640619			31.05- 91.05	61.39
12.910	12.910 (0.898)	83	836673			49.24- 109.24	80.18
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	1273823	49.4582	49.458	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	1062828			53.94- 113.94	83.44
12.938	12.938 (0.900)	131	1030413			49.66- 109.66	80.89
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	1089977	48.4237	48.424	70.00- 130.00	100.00
13.353	13.353 (0.929)	43	1923290			146.80- 206.80	176.45
13.353	13.353 (0.929)	100	246827			0.00- 30.00	22.65
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	1653818	50.4062	50.406	70.00- 130.00	100.00
13.491	13.491 (0.938)	127	1276464			0.00- 30.00	77.18
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	1592921	48.0584	48.058	70.00- 130.00	100.00
13.657	13.657 (0.950)	109	1494287			63.34- 123.34	93.81
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	2630522	51.2084	51.208	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	847723			1.67- 61.67	32.23
14.403	14.403 (1.002)	77	1481585			28.04- 88.04	56.32
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	1315669	49.4279	49.428	70.00- 130.00	100.00
14.542	14.569 (1.012)	91	4180867			0.00- 30.00	317.77
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	1675623	49.3978	49.398	70.00- 130.00	100.00
14.735	14.735 (1.025)	91	3388995			0.00- 30.00	202.25
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	1686031	51.0955	51.095	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.288	15.288 (1.063)	91	3596886			188.03- 248.03	213.33
134 Styrene					CAS #: 100-42-5		
15.316	15.316 (1.065)	104	2538536	50.8579	50.858	70.00- 130.00	100.00
15.316	15.316 (1.065)	78	1292773			20.90- 80.90	50.93
135 Bromoform					CAS #: 75-25-2		
15.565	15.565 (1.083)	173	1375148	52.3002	52.300	70.00- 130.00	100.00
15.565	15.565 (1.083)	171	700978			20.98- 80.98	50.97
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	2194198	49.4765	49.476	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	1399195			34.03- 94.03	63.77
147 4-Ethyltoluene					CAS #: 622-96-8		
16.450	16.449 (1.144)	105	5300604	54.8018	54.802	70.00- 130.00	100.00
16.450	16.449 (1.144)	120	1572510			0.00- 59.69	29.67
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	4233224	49.1278	49.128	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	2115818			0.00- 30.00	49.98
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	4644065	51.7750	51.775	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	2147933			15.91- 75.91	46.25
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	2635950	52.0528	52.053	70.00- 130.00	100.00
17.279	17.279 (1.202)	148	1667744			0.00- 30.00	63.27
17.279	17.279 (1.202)	111	1176226			0.00- 30.00	44.62
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.390	17.389 (1.210)	146	3202278	48.8073	48.807	70.00- 130.00	100.00
17.390	17.389 (1.210)	148	2016328			0.00- 30.00	62.97
17.390	17.389 (1.210)	111	1290380			0.00- 30.00	40.30
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.528	17.528 (1.219)	91	3697361	53.4515	53.452	70.00- 130.00	100.00
17.555	17.528 (1.221)	126	738433			0.00- 30.00	19.97
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	2667556	47.9000	47.900	70.00- 130.00	100.00
17.749	17.749 (1.235)	148	1662003			33.75- 93.75	62.30
17.749	17.749 (1.235)	111	1197989			17.41- 77.41	44.91

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.132	19.131 (1.331)	180	2077791	46.0352	46.035	70.00- 130.00	100.00
19.132	19.131 (1.331)	182	2004065			65.57- 125.57	96.45
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	1399935	46.8722	46.872	70.00- 130.00	100.00
19.214	19.214 (1.337)	223	892409			32.14- 92.14	63.75
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	5876378	54.2955	54.296	70.00- 130.00	100.00
16.311	16.311 (1.135)	120	1431748			0.00- 30.00	24.36
16.311	16.311 (1.135)	105	219570			0.00- 30.00	3.74
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	4948359	50.9787	50.979	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	1365713			0.00- 30.00	27.60
15.786	15.786 (1.098)	51	431766			0.00- 30.00	8.73
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	4612207	44.5720	44.572	70.00- 130.00	100.00
19.325	19.325 (1.344)	127	557353			0.00- 30.00	12.08
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	1496592	46.0053	46.005	70.00- 130.00	100.00
4.726	4.726 (0.663)	41	315693			0.00- 30.00	21.09
4.726	4.726 (0.663)	57	157278			0.00- 30.00	10.51
9 Butane					CAS #: 106-97-8		
2.238	2.238 (0.314)	58	178120	43.9885	43.988	70.00- 130.00	100.00
2.238	2.238 (0.314)	43	1273347			0.00- 30.00	714.88
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	1039078	47.1936	47.194	70.00- 130.00	100.00
2.818	2.818 (0.395)	57	755676			0.00- 30.00	72.73
2.818	2.818 (0.395)	72	91709			0.00- 30.00	8.83
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	1713934	48.0659	48.066	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	852589			0.00- 30.00	49.74
9.620	9.620 (1.349)	55	1376420			0.00- 30.00	80.31

Report Date: 05-Aug-2008 08:55

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080416.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv ->50ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	296743	1.45
88 1,4-Difluorobenze	1202703	721622	1683784	1208939	0.52
125 Chlorobenzene-d5	1079897	647938	1511856	1071330	-0.79

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	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: 05-Aug-2008 08:55

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-04aug
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: smd
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv ->50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	50.858	101.72	70-130
108 trans-1,3-Dichloro	50.000	47.496	94.99	70-130
3 Propylene	50.000	48.321	96.64	60-140
4 Dichlorodifluorome	50.000	50.770	101.54	70-130
6 Freon 114	50.000	48.935	97.87	70-130
8 Chloromethane	50.000	49.972	99.94	70-130
11 Vinyl Chloride	50.000	48.774	97.55	70-130
10 1,3-Butadiene	50.000	46.936	93.87	60-140
13 Bromomethane	50.000	47.913	95.83	70-130
16 Chloroethane	50.000	51.580	103.16	70-130
18 Trichlorofluoromet	50.000	50.333	100.67	70-130
23 Ethanol	50.000	50.565	101.13	60-140
28 Freon 113	50.000	54.173	108.35	70-130
29 1,1-Dichloroethene	50.000	53.603	107.21	70-130
30 Acetone	50.000	50.815	101.63	60-140
33 Carbon Disulfide	50.000	50.434	100.87	60-140
34 2-Propanol	50.000	51.454	102.91	60-140
40 Methylene Chloride	50.000	51.058	102.12	70-130
43 MTBE	50.000	46.890	93.78	60-140
45 trans-1,2-Dichloro	50.000	49.779	99.56	60-140
46 Hexane	50.000	49.419	98.84	60-140
54 1,1-Dichloroethane	50.000	51.112	102.22	70-130
55 Vinyl Acetate	50.000	48.264	96.53	60-140
64 cis-1,2-Dichloroet	50.000	51.783	103.57	70-130
65 2-Butanone	50.000	44.126	88.25	60-140
67 Tetrahydrofuran	50.000	40.950	81.90	60-140
70 Chloroform	50.000	49.523	99.05	70-130
73 Cyclohexane	50.000	48.321	96.64	60-140
75 1,1,1-Trichloroeth	50.000	49.759	99.52	70-130
77 Carbon Tetrachlori	50.000	50.262	100.53	70-130
81 Benzene	50.000	47.942	95.88	70-130
83 1,2-Dichloroethane	50.000	49.201	98.40	70-130
85 Heptane	50.000	45.870	91.74	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	50.447	100.89	70-130
97 1,2-Dichloropropan	50.000	49.472	98.94	70-130
98 1,4-Dioxane	50.000	48.001	96.00	60-140
100 Bromodichlorometha	50.000	49.703	99.41	60-140
102 cis-1,3-Dichloropr	50.000	47.705	95.41	70-130
103 4-Methyl-2-pentano	50.000	47.081	94.16	60-140
105 Toluene	50.000	51.464	102.93	70-130
110 1,1,2-Trichloroeth	50.000	48.866	97.73	70-130
112 Tetrachloroethene	50.000	49.458	98.92	70-130
114 2-Hexanone	50.000	48.424	96.85	60-140
116 Dibromochlorometha	50.000	50.406	100.81	60-140
117 1,2-Dibromoethane	50.000	48.058	96.12	70-130
126 Chlorobenzene	50.000	51.208	102.42	70-130
129 Ethyl Benzene	50.000	49.428	98.86	70-130
130 m,p-Xylene	50.000	49.398	98.80	70-130
132 o-Xylene	50.000	51.095	102.19	70-130
135 Bromoform	50.000	52.300	104.60	60-140
144 1,1,2,2-Tetrachlor	50.000	49.476	98.95	70-130
147 4-Ethyltoluene	50.000	54.802	109.60	60-140
148 1,3,5-Trimethylben	50.000	49.128	98.26	70-130
153 1,2,4-Trimethylben	50.000	51.775	103.55	70-130
156 1,3-Dichlorobenzen	50.000	52.053	104.11	70-130
157 1,4-Dichlorobenzen	50.000	48.807	97.61	70-130
158 alpha-Chlorotoluen	50.000	53.452	106.90	70-130
161 1,2-Dichlorobenzen	50.000	47.900	95.80	70-130
167 1,2,4-Trichloroben	50.000	46.035	92.07	70-130
168 Hexachlorobutadien	50.000	46.872	93.74	70-130
137 Cumene	50.000	50.979	101.96	60-140
145 Propylbenzene	50.000	54.296	108.59	60-140
37 3-Chloropropene	50.000	52.959	105.92	60-140
80 2,2,4-Trimethylpen	50.000	49.209	98.42	60-140
169 Naphthalene	50.000	44.572	89.14	60-140
9 Butane	50.000	43.988	87.98	70-130
15 Isopentane	50.000	47.194	94.39	70-130
95 Methyl Cyclohexane	50.000	48.066	96.13	70-130
38 tert-Butyl-Alcohol	50.000	46.005	92.01	60-140

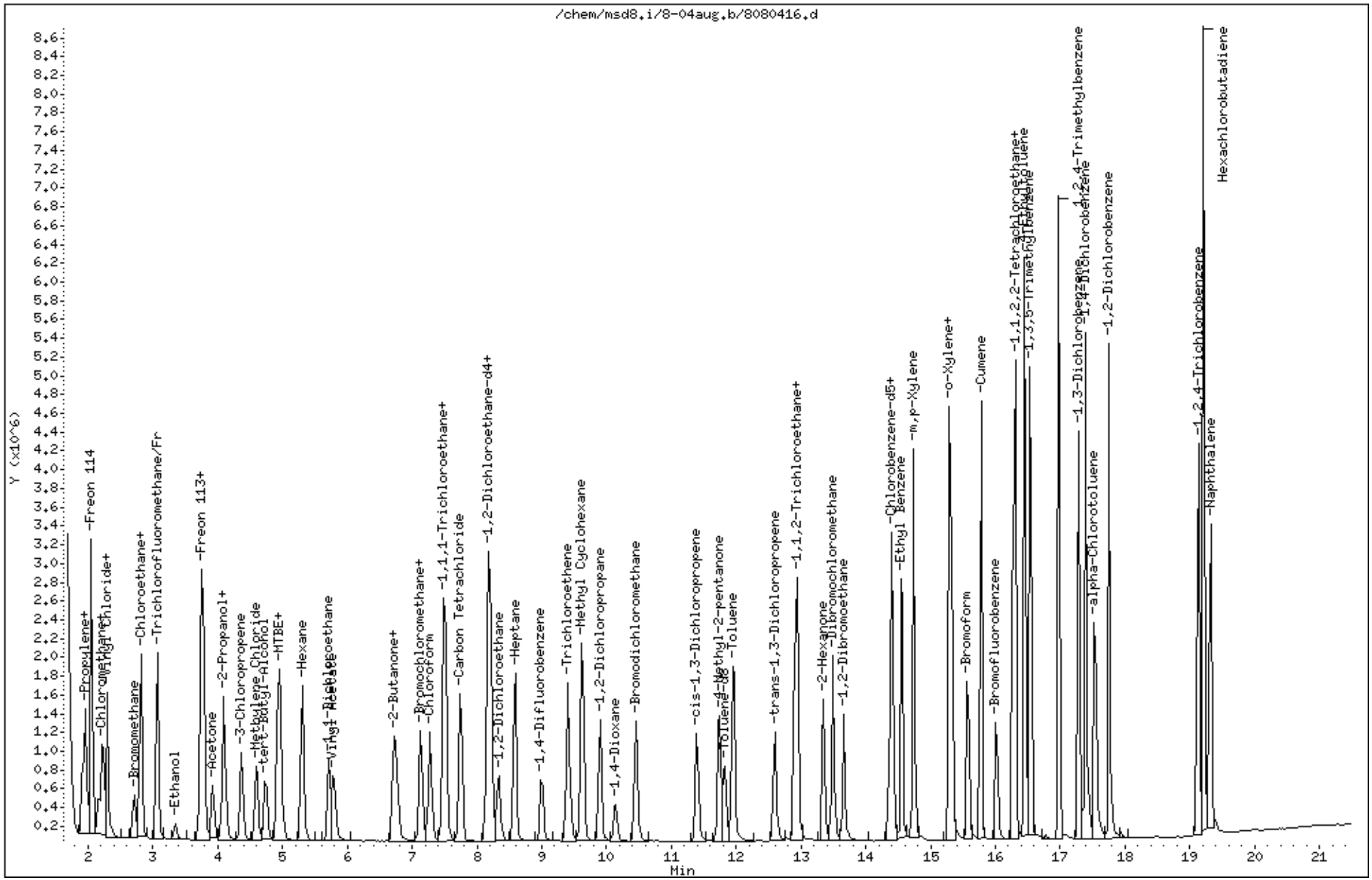
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.728	98.91	70-130
$ 104 Toluene-d8	25.000	24.896	99.58	70-130
$ 140 Bromofluorobenzene	25.000	26.026	104.11	70-130

0093

Data File: /chem/msd8.i/8-04aug.b/8080416.d
Date : 05-AUG-2008 03:35
Client ID: LCS-1
Sample Info: 50mL #1612-72

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080408.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 04-AUG-2008 23:47
Operator : smd Inst ID: msd8.i
Smp Info : 0.3mL #1612-92
Misc Info : 200ppbv -> 0.3ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:46 sdisher Quant Type: ISTD
Cal Date : 04-AUG-2008 23:47 Cal File: 8080408.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.159	7.159 (1.000)	130	355048	25.0000		70.00- 130.00	100.00
7.159	7.159 (1.000)	128	273575			47.98- 107.98	77.05
7.132	7.132 (1.000)	49	483758			106.00- 166.00	136.25
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	1415938	25.0000		70.00- 130.00	100.00
9.012	9.012 (1.000)	88	229864			0.00- 46.07	16.23
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	1266602	25.0000		70.00- 130.00	100.00
14.376	14.376 (1.000)	82	701992			0.00- 30.00	55.42
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.210	8.210 (1.147)	65	514897	25.0000	24.407	70.00- 130.00	100.00
8.210	8.210 (1.147)	67	262629			0.00- 30.00	51.01
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	1411194	25.0000	24.538	70.00- 130.00	100.00
11.832	11.832 (1.313)	70	144369			0.00- 30.00	10.23

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	913761			0.00- 30.00	64.75
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	652047	25.0000	24.314	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	971391			118.42- 178.42	148.98
16.035	16.035 (1.115)	176	630019			67.67- 127.67	96.62
70 Chloroform					CAS #: 67-66-3		
7.297	7.297 (1.019)	83	13160	0.30000	0.3224	70.00- 130.00	100.00(a)
7.297	7.297 (1.019)	85	10509			34.57- 94.57	79.86
81 Benzene					CAS #: 71-43-2		
8.182	8.182 (0.908)	78	21835	0.30000	0.3509	70.00- 130.00	100.00(a)
8.182	8.182 (0.908)	77	5723			0.00- 30.00	26.21
134 Styrene					CAS #: 100-42-5		
15.343	15.343 (1.067)	104	18711	0.30000	0.3171	70.00- 130.00	100.00(a)
15.343	15.343 (1.067)	78	10009			20.90- 80.90	53.49
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	39356	0.30000	0.3429	70.00- 130.00	100.00(a)
15.786	15.786 (1.098)	120	9340			0.00- 30.00	23.73
15.786	15.786 (1.098)	51	5122			0.00- 30.00	13.01
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	14273	0.30000	0.3642	70.00- 130.00	100.00(a)
13.657	13.657 (0.950)	109	12354			63.34- 123.34	86.56
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.293 (0.320)	54	6022	0.30000	0.3681	70.00- 130.00	100.00(a)
2.182	2.182 (0.305)	39	50238			0.00- 30.00	834.24
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	33625	0.30000	0.3301	70.00- 130.00	100.00(a)
16.560	16.560 (1.152)	120	14967			0.00- 30.00	44.51
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	34166	0.30000	0.3222	70.00- 130.00	100.00(a)
16.975	16.975 (1.181)	120	17006			15.91- 75.91	49.77

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080408.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 0.3ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	355048	21.38
88 1,4-Difluorobenze	1202703	721622	1683784	1415938	17.73
125 Chlorobenzene-d5	1079897	647938	1511856	1266602	17.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.16	0.39
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Data File: /chem/msd8.i/8-04aug.b/8080408.d

Date : 04-AUG-2008 23:47

Client ID: Level 1

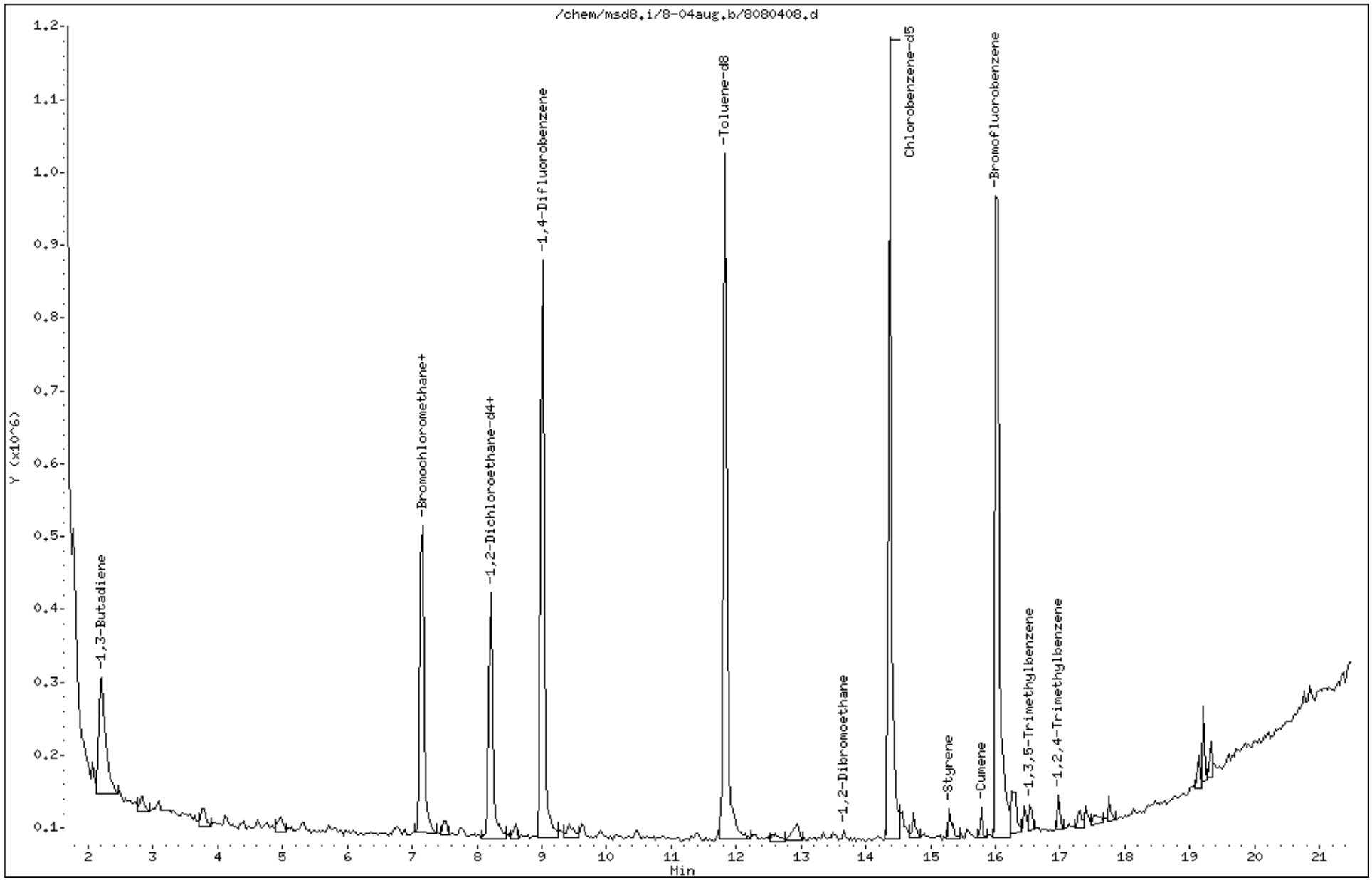
Sample Info: 0.3mL #1612-92

Column phase: RTx-624

Instrument: msd8.i

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080409.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 05-AUG-2008 00:15
Operator : smd Inst ID: msd8.i
Smp Info : 0.5mL #1612-92
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:46 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 00:15 Cal File: 8080409.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08Low.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.131	7.131 (1.000)	130	297407	25.0000		70.00- 130.00	100.00
	7.131	7.131 (1.000)	128	227805			47.98- 107.98	76.60
	7.131	7.131 (1.000)	49	405739			106.00- 166.00	136.43
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1189881	25.0000		70.00- 130.00	100.00
	8.984	8.984 (1.000)	88	196599			0.00- 46.07	16.52
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1099904	25.0000		70.00- 130.00	100.00
	14.376	14.376 (1.000)	82	601791			0.00- 30.00	54.71
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.210	8.210 (1.151)	65	428024	25.0000	24.222	70.00- 130.00	100.00
	8.210	8.210 (1.151)	67	215918			0.00- 30.00	50.45
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1209261	25.0000	25.021	70.00- 130.00	100.00
	11.832	11.832 (1.313)	70	127763			0.00- 30.00	10.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	786797			0.00- 30.00	65.06
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.035	16.035 (1.115)	174	575344	25.0000	24.705	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	868706			118.42- 178.42	150.99
16.035	16.035 (1.115)	176	542938			67.67- 127.67	94.37
4 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
1.961	1.961 (0.275)	85	24400	0.50000	0.5219	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	8170			0.00- 30.00	33.48
6 Freon 114						CAS #: 76-14-2	
2.044	2.044 (0.287)	135	18396	0.50000	0.5498	70.00- 130.00	100.00
2.044	2.044 (0.287)	137	7345			1.42- 61.42	39.93
11 Vinyl Chloride						CAS #: 75-01-4	
2.293	2.293 (0.322)	62	10999	0.50000	0.5998	70.00- 130.00	100.00
2.320	2.320 (0.325)	64	4381			0.00- 30.00	39.83
10 1,3-Butadiene						CAS #: 106-99-0	
2.293	2.293 (0.322)	54	6727	0.50000	0.4908	70.00- 130.00	100.00(a)
2.293	2.293 (0.322)	39	5519			0.00- 30.00	82.04
13 Bromomethane						CAS #: 74-83-9	
2.708	2.708 (0.380)	94	9452	0.50000	0.7046	70.00- 130.00	100.00
2.708	2.708 (0.380)	96	8462			66.53- 126.53	89.53
16 Chloroethane						CAS #: 75-00-3	
2.790	2.790 (0.391)	64	4734	0.50000	0.5225	70.00- 130.00	100.00
2.818	2.818 (0.395)	49	3356			0.00- 30.00	70.89
2.818	2.818 (0.395)	66	2218			0.00- 30.00	46.85
18 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
3.067	3.067 (0.430)	101	25203	0.50000	0.5103	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	17215			34.28- 94.28	68.31
28 Freon 113						CAS #: 76-13-1	
3.758	3.758 (0.527)	151	17093	0.50000	0.6058	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	10307			34.49- 94.49	60.30
3.758	3.758 (0.527)	101	20669			92.46- 152.46	120.92
29 1,1-Dichloroethene						CAS #: 75-35-4	
3.786	3.786 (0.531)	61	17505	0.50000	0.6059	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	9144			29.64- 89.64	52.24
3.786	3.786 (0.531)	98	5794			7.66- 67.66	33.10

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	24145	0.50000	0.5097	70.00- 130.00	100.00
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.588 (0.643)	49	12724	0.50000	0.6459	70.00- 130.00	100.00
4.615	4.615 (0.647)	84	12278			46.03- 106.03	96.49
4.588	4.588 (0.643)	51	4155			0.00- 30.00	32.65
43 MTBE					CAS #: 1634-04-4		
4.947	4.947 (0.694)	73	30827	0.50000	0.5999	70.00- 130.00	100.00
4.919	4.919 (0.690)	57	8243			0.00- 52.36	26.74
4.919	4.919 (0.690)	41	14197			0.00- 30.00	46.05
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	10722	0.50000	0.5673	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	13688			117.81- 177.81	127.66
4.975	4.975 (0.698)	98	6465			0.00- 30.00	60.30
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	17029	0.50000	0.5694	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	9277			0.00- 30.00	54.48
5.334	5.334 (0.748)	86	5842			0.00- 30.00	34.31
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.721 (0.802)	63	17688	0.50000	0.5566	70.00- 130.00	100.00
5.721	5.721 (0.802)	65	6700			1.12- 61.12	37.88
65 2-Butanone					CAS #: 78-93-3		
6.800	6.800 (0.953)	72	7968	0.50000	0.8199	70.00- 130.00	100.00
6.772	6.772 (0.950)	43	20073			352.72- 412.72	251.92
6.800	6.800 (0.953)	57	4096			0.00- 30.00	51.41
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	11939	0.50000	0.5103	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	8291			44.78- 104.78	69.44
6.717	6.717 (0.942)	98	8389			17.70- 77.70	70.27
67 Tetrahydrofuran					CAS #: 109-99-9		
7.131	7.131 (1.000)	42	20937	0.50000	0.8838	70.00- 130.00	100.00
7.131	7.131 (1.000)	71	7621			7.84- 67.84	36.40
7.131	7.131 (1.000)	72	10066			0.00- 30.00	48.08
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	18617	0.50000	0.5445	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	11717			34.57- 94.57	62.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	22043	0.50000	0.5601	70.00- 130.00	100.00
7.519	7.519 (1.054)	99	16832			34.20- 94.20	76.36
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	17241	0.50000	0.6418	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	16839			86.25- 146.25	97.67
7.463	7.463 (1.047)	41	17779			33.52- 93.52	103.12
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	19291	0.50000	0.5178	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	21022			73.55- 133.55	108.97
81 Benzene					CAS #: 71-43-2		
8.154	8.154 (0.905)	78	27527	0.50000	0.5265	70.00- 130.00	100.00
8.154	8.154 (0.905)	77	5622			0.00- 30.00	20.42
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	14630	0.50000	0.5900	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	6345			0.00- 30.00	43.37
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	4470	0.50000	0.6609	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	19878			0.00- 30.00	444.70
8.597	8.597 (0.954)	71	11311			0.00- 30.00	253.04
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	12270	0.50000	0.5553	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	16318			74.03- 134.03	132.99
9.399	9.399 (1.043)	97	7620			33.83- 93.83	62.10
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.896 (1.098)	63	10118	0.50000	0.5522	70.00- 130.00	100.00
9.896	9.896 (1.098)	62	8248			40.79- 100.79	81.52
9.896	9.896 (1.098)	41	9057			29.63- 89.63	89.51
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.449 (1.160)	83	19226	0.50000	0.5669	70.00- 130.00	100.00
10.449	10.449 (1.160)	85	14144			33.28- 93.28	73.57
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.389	11.389 (1.264)	75	17888	0.50000	0.6226	70.00- 130.00	100.00
11.389	11.389 (1.264)	77	5152			1.43- 61.43	28.80
11.389	11.389 (1.264)	39	6245			19.82- 79.82	34.91
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	10348	0.50000	0.6041	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 4-Methyl-2-pentanone (continued)							
11.749	11.749 (1.304)	43	33499			0.00- 30.00	323.72
11.749	11.749 (1.304)	85	4553			0.00- 30.00	44.00
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	34539	0.50000	0.5610	70.00- 130.00	100.00
11.970	11.970 (1.328)	92	21027			30.55- 90.55	60.88
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	19916	0.50000	0.6424	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	4671			1.82- 61.82	23.45
12.606	12.606 (0.877)	39	8961			16.70- 76.70	44.99
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	13942	0.50000	0.6360	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	8713			31.05- 91.05	62.49
12.910	12.910 (0.898)	83	11921			49.24- 109.24	85.50
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	15866	0.50000	0.6000	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	10015			53.94- 113.94	63.12
12.938	12.938 (0.900)	131	11792			49.66- 109.66	74.32
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	9313	0.50000	0.4030	70.00- 130.00	100.00(a)
13.353	13.353 (0.929)	43	17932			146.80- 206.80	192.55
13.353	13.353 (0.929)	100	4875			0.00- 30.00	52.35
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	18240	0.50000	0.5415	70.00- 130.00	100.00
13.491	13.491 (0.938)	127	14346			0.00- 30.00	78.65
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	16721	0.50000	0.4914	70.00- 130.00	100.00(a)
13.657	13.657 (0.950)	109	15855			63.34- 123.34	94.82
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	27076	0.50000	0.5134	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	8597			1.67- 61.67	31.75
14.403	14.403 (1.002)	77	23829			28.04- 88.04	88.01
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	15860	0.50000	0.5804	70.00- 130.00	100.00
14.569	14.569 (1.013)	91	47722			0.00- 30.00	300.90
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	16080	0.50000	0.4617	70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
14.735	14.735 (1.025)	91	39492			0.00- 30.00	245.60
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	17714	0.50000	0.5229	70.00- 130.00	100.00
15.288	15.288 (1.063)	91	37383			188.03- 248.03	211.04
134 Styrene					CAS #: 100-42-5		
15.343	15.343 (1.067)	104	25814	0.50000	0.5037	70.00- 130.00	100.00
15.343	15.343 (1.067)	78	14266			20.90- 80.90	55.26
135 Bromoform					CAS #: 75-25-2		
15.592	15.592 (1.085)	173	13399	0.50000	0.4964	70.00- 130.00	100.00(a)
15.592	15.592 (1.085)	171	6423			20.98- 80.98	47.94
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	25935	0.50000	0.5696	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	16152			34.03- 94.03	62.28
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.449 (1.144)	105	46025	0.50000	0.4635	70.00- 130.00	100.00(a)
16.449	16.449 (1.144)	120	16470			0.00- 59.69	35.78
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	47402	0.50000	0.5358	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	21182			0.00- 30.00	44.69
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	46956	0.50000	0.5099	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	22004			15.91- 75.91	46.86
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.306	17.306 (1.204)	146	26402	0.50000	0.5078	70.00- 130.00	100.00
17.279	17.279 (1.202)	148	15573			0.00- 30.00	58.98
17.279	17.279 (1.202)	111	11563			0.00- 30.00	43.80
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.389 (1.210)	146	34947	0.50000	0.5188	70.00- 130.00	100.00
17.389	17.389 (1.210)	148	24374			0.00- 30.00	69.75
17.389	17.389 (1.210)	111	17033			0.00- 30.00	48.74
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.555	17.555 (1.221)	91	29297	0.50000	0.4125	70.00- 130.00	100.00(a)
17.555	17.555 (1.221)	126	8006			0.00- 30.00	27.33
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	33938	0.50000	0.5936	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
17.749	17.749 (1.235)	148	16888			33.75- 93.75	49.76
17.749	17.749 (1.235)	111	13713			17.41- 77.41	40.41
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	49882	0.50000	0.5005	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	15075			0.00- 30.00	30.22
15.786	15.786 (1.098)	51	6028			0.00- 30.00	12.08
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	54262	0.50000	0.4883	70.00- 130.00	100.00(a)
16.311	16.311 (1.135)	120	14103			0.00- 30.00	25.99
16.311	16.311 (1.135)	105	2601			0.00- 30.00	4.79
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.182	8.182 (1.147)	57	51725	0.50000	0.5580	70.00- 130.00	100.00
8.182	8.182 (1.147)	56	16279			0.00- 30.00	31.47
8.182	8.182 (1.147)	41	17796			0.00- 30.00	34.41
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	21865	0.50000	0.6118	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	10735			0.00- 30.00	49.10
9.620	9.620 (1.349)	55	21200			0.00- 30.00	96.96

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080409.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	297407	1.68
88 1,4-Difluorobenze	1202703	721622	1683784	1189881	-1.07
125 Chlorobenzene-d5	1079897	647938	1511856	1099904	1.85

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	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.

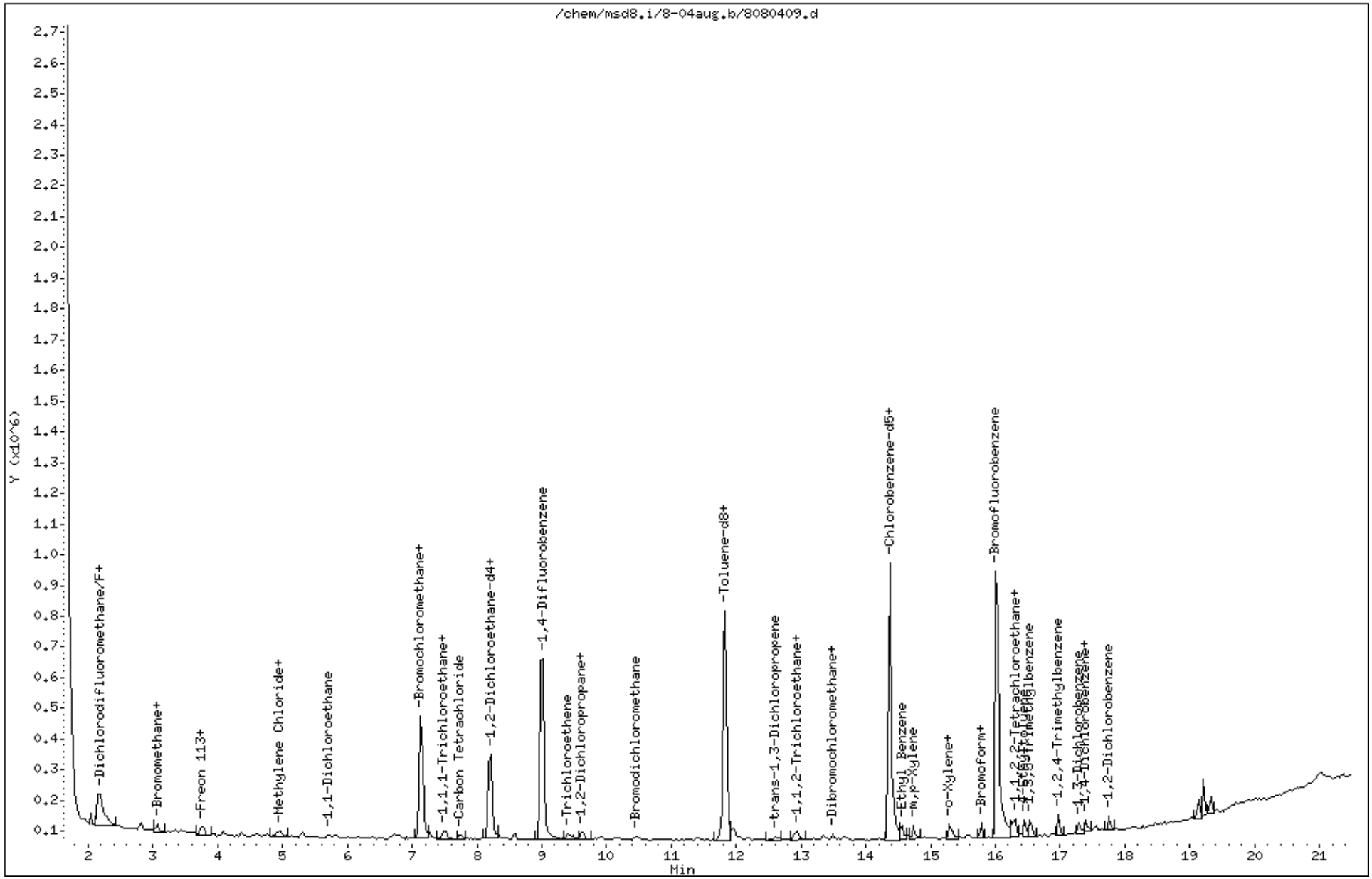
0106

Data File: /chem/msd8.i/8-04aug.b/8080409.d
Date : 05-AUG-2008 00:15
Client ID: Level 2
Sample Info: 0.5mL #1612-92

Instrument: msd8.i

Operator: smd

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-06aug.b/8080605.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 06-AUG-2008 11:39
Operator : smd Inst ID: msd8.i
Smp Info : 2.0mL #1612-99
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd8.i/8-06aug.b/t14q804b.m
Meth Date : 06-Aug-2008 15:10 cleonard Quant Type: ISTD
Cal Date : 06-AUG-2008 11:39 Cal File: 8080605.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp36b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.131	7.131 (1.000)	130	281872	25.0000		70.00- 130.00		100.00
7.131	7.131 (1.000)	128	209258			48.71- 108.71		74.24
7.131	7.131 (1.000)	49	375104			99.17- 159.17		133.08
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
8.984	8.984 (1.000)	114	1151230	25.0000		70.00- 130.00		100.00
8.984	8.984 (1.000)	88	181350			0.00- 46.61		15.75
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	1000856	25.0000		70.00- 130.00		100.00
14.376	14.376 (1.000)	82	555174			0.00- 30.00		55.47
1 Freon 152a						CAS #: 75-37-6		
1.906	1.906 (0.267)	65	29581	2.00000	2.653	70.00- 130.00		100.00
1.850	1.850 (0.259)	51	8057			0.00- 30.00		27.24
2 Freon 22						CAS #: 75-45-6		
1.961	1.961 (0.275)	67	12805	2.00000	2.595	70.00- 130.00		100.00
1.961	1.961 (0.275)	51	117035			0.00- 30.00		913.98

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
5 Freon134a					CAS #: 811-97-2		
1.850	1.850 (0.259)	83	53645	2.00000	2.686	70.00- 130.00	100.00
1.795	1.795 (0.252)	69	165023			0.00- 30.00	307.62
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.039	3.039 (0.426)	67	75109	2.00000	2.496	70.00- 130.00	100.00(T)
3.039	3.039 (0.426)	69	26157			0.00- 30.00	34.83
0.000	1.000 (0.000)	35	0			0.00- 30.00	0.00
20 Freon123a					CAS #: 354-23-4		
3.509	3.509 (0.492)	67	51219	2.00000	2.453	70.00- 130.00	100.00
3.537	3.537 (0.496)	117	43505			0.00- 30.00	84.94
21 Freon123					CAS #: 306-83-2		
3.620	3.620 (0.508)	83	71993	2.00000	2.513	70.00- 130.00	100.00
3.620	3.620 (0.508)	133	17384			0.00- 30.00	24.15
3.620	3.620 (0.508)	85	47240			0.00- 30.00	65.62
27 Freon142b					CAS #: 75-68-3		
2.127	2.127 (0.298)	65	95453	2.00000	2.563	70.00- 130.00	100.00
2.127	2.127 (0.298)	45	26691			0.00- 30.00	27.96
32 Freon143a					CAS #: 420-46-2		
1.823	1.823 (0.256)	65	19016	2.00000	2.581	70.00- 130.00	100.00
1.795	1.795 (0.252)	69	175110			0.00- 30.00	920.86
49 Isopropyl ether					CAS #: 108-20-3		
5.721	5.721 (0.802)	45	154766	2.00000	2.540	70.00- 130.00	100.00
5.721	5.721 (0.802)	87	45088			0.00- 30.00	29.13
5.721	5.721 (0.802)	59	17135			0.00- 30.00	11.07
52 1-Propanol					CAS #: 71-23-8		
5.915	5.915 (0.829)	42	7821	2.00000	2.705	70.00- 130.00	100.00
5.942	5.942 (0.833)	59	8699			0.00- 30.00	111.23
5.915	5.915 (0.829)	41	3438			0.00- 30.00	43.96
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.330	6.330 (0.888)	59	144978	2.00000	2.614	70.00- 130.00	100.00
6.330	6.330 (0.888)	87	59178			0.00- 30.00	40.82
6.330	6.330 (0.888)	41	27970			0.00- 30.00	19.29
61 Ethyl Acetate					CAS #: 141-78-6		
6.827	6.827 (0.957)	70	12911	2.00000	2.709	70.00- 130.00	100.00
6.827	6.827 (0.957)	45	16485			0.00- 30.00	127.68
6.827	6.827 (0.957)	61	13695			0.00- 30.00	106.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
78 Isobutanol					CAS #: 78-83-1		
8.182	8.182 (0.911)	43	33845	2.00000	2.383	70.00- 130.00	100.00
8.182	8.182 (0.911)	41	24873			0.00- 30.00	73.49
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.376	8.376 (1.174)	73	127228	2.00000	2.579	70.00- 130.00	100.00
8.376	8.376 (1.174)	87	31993			0.00- 30.00	25.15
8.376	8.376 (1.174)	55	34430			0.00- 30.00	27.06
89 1-Butanol					CAS #: 71-36-3		
9.454	9.454 (1.052)	56	39751	2.00000	2.636	70.00- 130.00	100.00
9.454	9.454 (1.052)	41	24473			0.00- 30.00	61.57
9.454	9.454 (1.052)	43	19423			0.00- 30.00	48.86
113 Butyl Acetate					CAS #: 123-86-4		
13.546	13.546 (1.508)	56	40788	2.00000	2.145	70.00- 130.00	100.00
13.574	13.574 (1.511)	73	21084			0.00- 30.00	51.69
13.546	13.546 (1.508)	43	93103			0.00- 30.00	228.26
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.753	16.753 (1.165)	57	116530	2.00000	2.201	70.00- 130.00	100.00
16.753	16.753 (1.165)	85	101960			56.48- 116.48	87.50
133 2-Heptanone					CAS #: 110-43-0		
15.564	15.564 (1.083)	58	53252	2.00000	2.011	70.00- 130.00	100.00
15.564	15.564 (1.083)	43	72040			0.00- 30.00	135.28
136 Cyclohexanone					CAS #: 108-94-1		
15.952	15.952 (1.110)	55	52386	2.00000	2.333	70.00- 130.00	100.00
15.952	15.952 (1.110)	98	25377			0.00- 30.00	48.44
15.952	15.952 (1.110)	42	34105			0.00- 30.00	65.10
36 Cyclopentene					CAS #: 142-29-0		
4.394	4.394 (0.616)	67	105885	2.00000	2.520	70.00- 130.00	100.00
4.394	4.394 (0.616)	68	39631			0.00- 30.00	37.43
4.394	4.394 (0.616)	53	22661			0.00- 30.00	21.40
60 2,2-Dichloropropane					CAS #: 594-20-7		
6.661	6.661 (0.934)	77	80636	2.00000	2.434	70.00- 130.00	100.00
6.661	6.661 (0.934)	79	26238			1.92- 61.92	32.54
6.661	6.661 (0.934)	97	15281			0.00- 30.00	18.95
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.823	7.823 (1.097)	110	24344	2.00000	2.528	70.00- 130.00	100.00
7.823	7.823 (1.097)	75	68816			0.00- 30.00	282.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.187	13.187 (1.468)	76	79134	2.00000	2.552	70.00- 130.00	100.00
13.187	13.187 (1.468)	41	49971			32.54- 92.54	63.15
13.187	13.187 (1.468)	78	26199			0.00- 30.00	33.11
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.569	14.569 (1.013)	131	60818	2.00000	2.454	70.00- 130.00	100.00
14.569	14.569 (1.013)	117	53317			0.00- 30.00	87.67
14.569	14.569 (1.013)	95	24357			0.00- 30.00	40.05
139 Bromobenzene					CAS #: 108-86-1		
16.173	16.173 (1.125)	156	78563	2.00000	2.510	70.00- 130.00	100.00
16.173	16.173 (1.125)	77	119151			122.09- 182.09	151.66
16.173	16.173 (1.125)	158	78525			0.00- 30.00	99.95
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.311	16.311 (1.135)	110	39031	2.00000	2.553	70.00- 130.00	100.00
16.311	16.311 (1.135)	61	25583			0.00- 30.00	65.55
16.311	16.311 (1.135)	112	23136			0.00- 30.00	59.28
143 2-Chlorotoluene					CAS #: 95-49-8		
16.422	16.422 (1.142)	126	62063	2.00000	2.447	70.00- 130.00	100.00
16.422	16.422 (1.142)	91	181682			259.64- 319.64	292.74
16.422	16.422 (1.142)	65	18595			0.00- 30.00	29.96
146 4-Chlorotoluene					CAS #: 106-43-4		
16.587	16.587 (1.154)	126	58584	2.00000	2.526	70.00- 130.00	100.00
16.560	16.560 (1.152)	91	187125			308.92- 368.92	319.41
16.560	16.560 (1.152)	63	26849			0.00- 30.00	45.83
150 tert-Butylbenzene					CAS #: 98-06-6		
16.919	16.919 (1.177)	119	260857	2.00000	2.498	70.00- 130.00	100.00
16.919	16.919 (1.177)	134	61198			0.00- 51.99	23.46
16.892	16.892 (1.175)	91	137514			0.00- 30.00	52.72
151 Pentachloroethane					CAS #: 76-01-7		
16.975	16.975 (1.181)	167	46520	2.00000	2.295	70.00- 130.00	100.00
16.947	16.947 (1.179)	117	56246			0.00- 30.00	120.91
152 sec-Butylbenzene					CAS #: 135-98-8		
17.140	17.140 (1.192)	105	289548	2.00000	2.477	70.00- 130.00	100.00
17.168	17.168 (1.194)	134	58643			0.00- 48.83	20.25
17.140	17.140 (1.192)	91	47427			0.00- 30.00	16.38
154 p-Cymene					CAS #: 99-87-6		
17.306	17.306 (1.204)	134	66442	2.00000	2.364	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
154 p-Cymene (continued)							
17.306	17.306 (1.204)	119	278031			401.22- 461.22	418.46
17.306	17.306 (1.204)	91	66746			0.00- 30.00	100.46
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.417	17.417 (1.212)	120	89778	2.00000	2.364	70.00- 130.00	100.00
17.417	17.417 (1.212)	105	212615			206.70- 266.70	236.82
17.417	17.417 (1.212)	77	26051			0.00- 30.00	29.02
159 Butylbenzene					CAS #: 104-51-8		
17.721	17.721 (1.233)	134	62945	2.00000	2.254	70.00- 130.00	100.00
17.721	17.721 (1.233)	91	220700			298.26- 358.26	350.62
17.721	17.721 (1.233)	92	119706			0.00- 30.00	190.18
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.468	18.468 (1.285)	157	60596	2.00000	2.282	70.00- 130.00	100.00
18.468	18.468 (1.285)	75	69586			79.13- 139.13	114.84
18.468	18.468 (1.285)	155	48590			0.00- 30.00	80.19

QC Flag Legend

T - Target compound detected outside RT window.

Report Date: 06-Aug-2008 15:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080605.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-06aug.b/t14q804b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 06-AUG-2008
Calibration Time: 09:25
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	344402	206641	482163	281872	-18.16
88 1,4-Difluorobenze	1422031	853219	1990843	1151230	-19.04
125 Chlorobenzene-d5	1295803	777482	1814124	1000856	-22.76

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.13	-0.39
88 1,4-Difluorobenze	9.01	8.68	9.34	8.98	-0.31
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

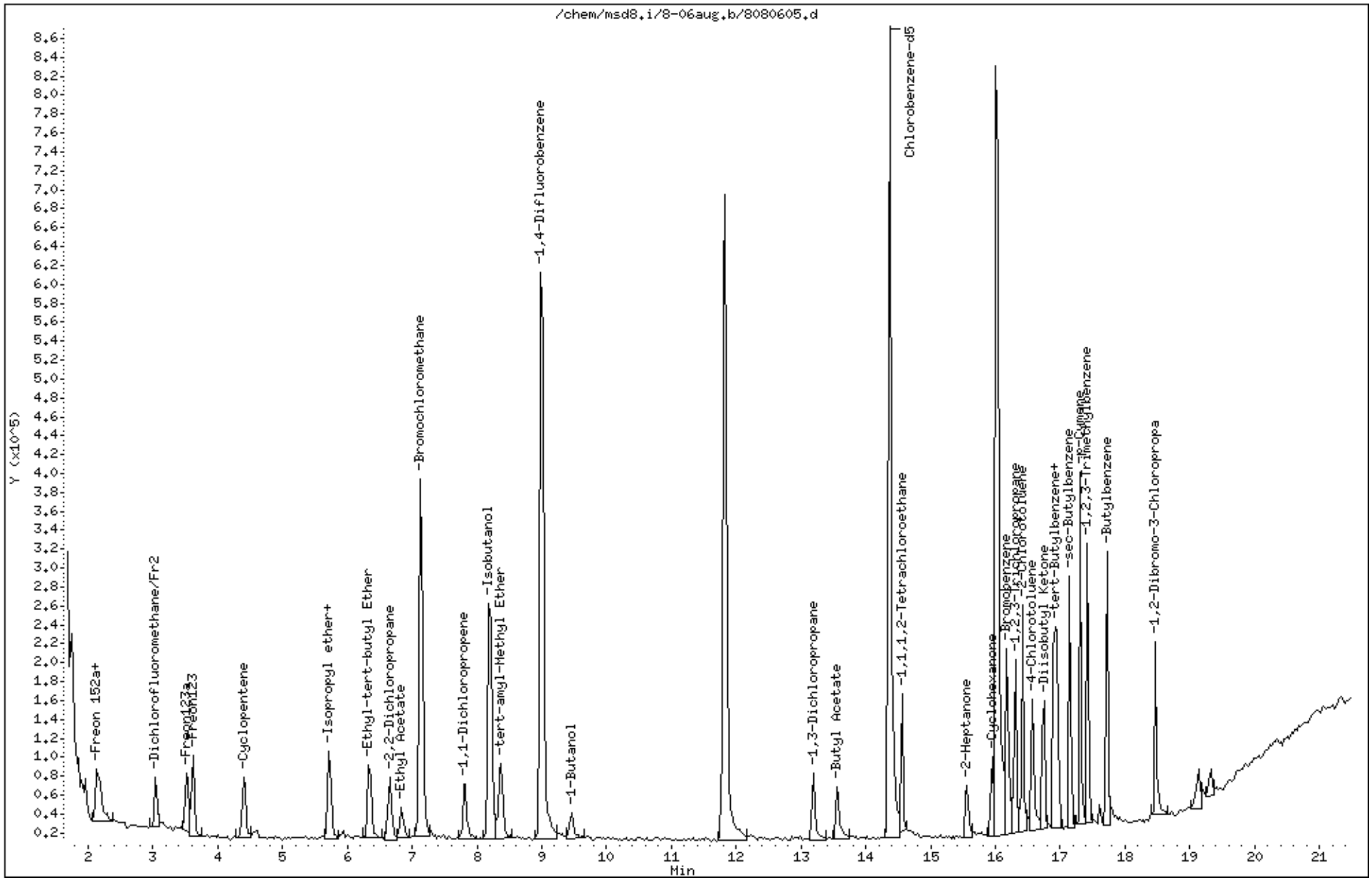
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0113

Data File: /chem/msd8.i/8-06aug.b/8080605.d
Date : 06-AUG-2008 11:39
Client ID: Level 3
Sample Info: 2.0mL #1612-99

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080410.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 05-AUG-2008 00:43
Operator : smd Inst ID: msd8.i
Smp Info : 2.0mL #1612-92
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:46 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 00:43 Cal File: 8080410.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.131	7.131 (1.000)	130	293712	25.0000		70.00- 130.00	100.00
	7.131	7.131 (1.000)	128	233203			47.98- 107.98	79.40
	7.131	7.131 (1.000)	49	405477			106.00- 166.00	138.05
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1200443	25.0000		70.00- 130.00	100.00
	8.984	8.984 (1.000)	88	197338			0.00- 46.07	16.44
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1078578	25.0000		70.00- 130.00	100.00
	14.376	14.376 (1.000)	82	607526			0.00- 30.00	56.33
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.210	8.210 (1.151)	65	421848	25.0000	24.172	70.00- 130.00	100.00
	8.210	8.210 (1.151)	67	212844			0.00- 30.00	50.46
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1211053	25.0000	24.838	70.00- 130.00	100.00
	11.832	11.832 (1.313)	70	127708			0.00- 30.00	10.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	795940			0.00- 30.00	65.72
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	567454	25.0000	24.848	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	834372			118.42- 178.42	147.04
16.035	16.035 (1.115)	176	557925			67.67- 127.67	98.32
3 Propylene					CAS #: 115-07-1		
1.906	1.906 (0.267)	41	38463	2.00000	2.902	70.00- 130.00	100.00
1.906	1.906 (0.267)	42	26888			0.00- 30.00	69.91
1.906	1.906 (0.267)	39	28878			0.00- 30.00	75.08
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.961 (0.275)	85	94061	2.00000	2.037	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	30878			0.00- 30.00	32.83
6 Freon 114					CAS #: 76-14-2		
2.044	2.044 (0.287)	135	65900	2.00000	1.994	70.00- 130.00	100.00
2.044	2.044 (0.287)	137	23861			1.42- 61.42	36.21
8 Chloromethane					CAS #: 74-87-3		
2.154	2.154 (0.302)	50	32632	2.00000	2.314	70.00- 130.00	100.00
2.154	2.154 (0.302)	52	15405			0.00- 30.00	47.21
9 Butane					CAS #: 106-97-8		
2.237	2.237 (0.314)	58	11224	2.00000	2.800	70.00- 130.00	100.00
2.237	2.237 (0.314)	43	96669			0.00- 30.00	861.27
11 Vinyl Chloride					CAS #: 75-01-4		
2.293	2.293 (0.321)	62	35540	2.00000	1.962	70.00- 130.00	100.00
2.293	2.293 (0.321)	64	13265			0.00- 30.00	37.32
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.293 (0.321)	54	26595	2.00000	1.965	70.00- 130.00	100.00
2.293	2.293 (0.321)	39	19192			0.00- 30.00	72.16
13 Bromomethane					CAS #: 74-83-9		
2.707	2.707 (0.380)	94	21056	2.00000	1.589	70.00- 130.00	100.00
2.707	2.707 (0.380)	96	22932			66.53- 126.53	108.91
16 Chloroethane					CAS #: 75-00-3		
2.790	2.790 (0.391)	64	15811	2.00000	1.767	70.00- 130.00	100.00
2.818	2.818 (0.395)	49	6859			0.00- 30.00	43.38
2.790	2.790 (0.391)	66	7045			0.00- 30.00	44.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	52791	2.00000	2.422	70.00- 130.00	100.00
2.818	2.818 (0.395)	57	32802			0.00- 30.00	62.14
2.818	2.818 (0.395)	72	5406			0.00- 30.00	10.24
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	101701	2.00000	2.085	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	65011			34.28- 94.28	63.92
23 Ethanol					CAS #: 64-17-5		
3.343	3.343 (0.469)	45	15485	2.00000	2.524	70.00- 130.00	100.00
3.343	3.343 (0.469)	43	8402			0.00- 30.00	54.26
3.343	3.343 (0.469)	46	4624			0.00- 30.00	29.86
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	57776	2.00000	2.074	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	35367			34.49- 94.49	61.21
3.758	3.758 (0.527)	101	69349			92.46- 152.46	120.03
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	57228	2.00000	2.006	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	31882			29.64- 89.64	55.71
3.786	3.786 (0.531)	98	22068			7.66- 67.66	38.56
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	17759	2.00000	2.182	70.00- 130.00	100.00
3.924	3.924 (0.550)	43	58628			0.00- 30.00	330.13
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	94501	2.00000	2.020	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.118	4.118 (0.577)	45	59195	2.00000	2.000	70.00- 130.00	100.00
4.118	4.118 (0.577)	43	13991			0.00- 30.00	23.64
4.118	4.118 (0.577)	59	4142			0.00- 30.00	7.00
37 3-Chloropropene					CAS #: 107-05-1		
4.366	4.366 (0.612)	76	15189	2.00000	1.906	70.00- 130.00	100.00(a)
4.366	4.366 (0.612)	41	51712			0.00- 30.00	340.46
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	74297	2.00000	2.307	70.00- 130.00	100.00
4.726	4.726 (0.663)	41	17154			0.00- 30.00	23.09
4.726	4.726 (0.663)	57	13232			0.00- 30.00	17.81
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.588 (0.643)	49	39091	2.00000	2.009	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.615	4.615 (0.647)	84	29448			46.03- 106.03	75.33
4.588	4.588 (0.643)	51	13724			0.00- 30.00	35.11
43 MTBE					CAS #: 1634-04-4		
4.947	4.947 (0.694)	73	104624	2.00000	2.062	70.00- 130.00	100.00
4.919	4.919 (0.690)	57	26414			0.00- 52.36	25.25
4.919	4.919 (0.690)	41	28822			0.00- 30.00	27.55
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	36902	2.00000	1.977	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	57232			117.81- 177.81	155.09
4.975	4.975 (0.698)	98	23427			0.00- 30.00	63.48
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	58828	2.00000	1.992	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	37028			0.00- 30.00	62.94
5.307	5.307 (0.744)	86	13547			0.00- 30.00	23.03
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.721 (0.802)	63	64272	2.00000	2.048	70.00- 130.00	100.00
5.721	5.721 (0.802)	65	22001			1.12- 61.12	34.23
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	12572	2.00000	2.613	70.00- 130.00	100.00
5.804	5.804 (0.814)	43	78647			0.00- 30.00	625.57
5.804	5.804 (0.814)	42	8903			0.00- 30.00	70.82
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	46659	2.00000	2.019	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	37613			44.78- 104.78	80.61
6.717	6.717 (0.942)	98	23396			17.70- 77.70	50.14
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	16555	2.00000	1.725	70.00- 130.00	100.00
6.772	6.772 (0.950)	43	72820			352.72- 412.72	439.87
6.772	6.772 (0.950)	57	7749			0.00- 30.00	46.81
67 Tetrahydrofuran					CAS #: 109-99-9		
7.131	7.131 (1.000)	42	44333	2.00000	1.895	70.00- 130.00	100.00
7.131	7.131 (1.000)	71	16384			7.84- 67.84	36.96
7.131	7.131 (1.000)	72	16609			0.00- 30.00	37.46
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	67229	2.00000	1.991	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	42372			34.57- 94.57	63.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	51814	2.00000	1.953	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	59752			86.25- 146.25	115.32
7.491	7.491 (1.050)	41	33876			33.52- 93.52	65.38
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.518	7.518 (1.054)	97	78228	2.00000	2.013	70.00- 130.00	100.00
7.518	7.518 (1.054)	99	47805			34.20- 94.20	61.11
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	74488	2.00000	2.024	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	76529			73.55- 133.55	102.74
81 Benzene					CAS #: 71-43-2		
8.154	8.154 (0.905)	78	108570	2.00000	2.058	70.00- 130.00	100.00
8.154	8.154 (0.905)	77	25591			0.00- 30.00	23.57
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.182	8.182 (1.147)	57	179508	2.00000	1.961	70.00- 130.00	100.00
8.182	8.182 (1.147)	56	62788			0.00- 30.00	34.98
8.182	8.182 (1.147)	41	55547			0.00- 30.00	30.94
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	52351	2.00000	2.093	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	16887			0.00- 30.00	32.26
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	14559	2.00000	2.134	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	64652			0.00- 30.00	444.07
8.597	8.597 (0.954)	71	39499			0.00- 30.00	271.30
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	43794	2.00000	1.964	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	51214			74.03- 134.03	116.94
9.399	9.399 (1.043)	97	29186			33.83- 93.83	66.64
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	70913	2.00000	2.009	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	35642			0.00- 30.00	50.26
9.620	9.620 (1.349)	55	55258			0.00- 30.00	77.92
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.896 (1.098)	63	37303	2.00000	2.018	70.00- 130.00	100.00
9.896	9.896 (1.098)	62	30054			40.79- 100.79	80.57
9.896	9.896 (1.098)	41	21229			29.63- 89.63	56.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	29150	2.00000	2.238	70.00- 130.00	100.00
10.145	10.145 (1.126)	58	20223			40.70- 100.70	69.38
10.145	10.145 (1.126)	57	9376			0.00- 30.00	32.16
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.449 (1.160)	83	66197	2.00000	1.934	70.00- 130.00	100.00
10.449	10.449 (1.160)	85	48658			33.28- 93.28	73.50
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.389	11.389 (1.264)	75	57260	2.00000	1.975	70.00- 130.00	100.00
11.389	11.389 (1.264)	77	19589			1.43- 61.43	34.21
11.389	11.389 (1.264)	39	32694			19.82- 79.82	57.10
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	36813	2.00000	2.130	70.00- 130.00	100.00
11.749	11.749 (1.304)	43	93697			0.00- 30.00	254.52
11.749	11.749 (1.304)	85	15810			0.00- 30.00	42.95
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	121029	2.00000	1.949	70.00- 130.00	100.00
11.970	11.970 (1.328)	92	77467			30.55- 90.55	64.01
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	60367	2.00000	1.986	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	18735			1.82- 61.82	31.04
12.606	12.606 (0.877)	39	28994			16.70- 76.70	48.03
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	41811	2.00000	1.945	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	25891			31.05- 91.05	61.92
12.910	12.910 (0.898)	83	32690			49.24- 109.24	78.19
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	50971	2.00000	1.966	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	44288			53.94- 113.94	86.89
12.938	12.938 (0.900)	131	43517			49.66- 109.66	85.38
114 2-Hexanone					CAS #: 591-78-6		
13.352	13.352 (0.929)	58	47920	2.00000	2.115	70.00- 130.00	100.00
13.352	13.352 (0.929)	43	74960			146.80- 206.80	156.43
13.352	13.352 (0.929)	100	11944			0.00- 30.00	24.92
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	64277	2.00000	1.946	70.00- 130.00	100.00
13.491	13.491 (0.938)	127	49162			0.00- 30.00	76.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	64140	2.00000	1.922	70.00- 130.00	100.00
13.657	13.657 (0.950)	109	57200			63.34- 123.34	89.18
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	111343	2.00000	2.153	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	34683			1.67- 61.67	31.15
14.403	14.403 (1.002)	77	67858			28.04- 88.04	60.95
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	50836	2.00000	1.897	70.00- 130.00	100.00
14.569	14.569 (1.013)	91	167655			0.00- 30.00	329.80
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	74231	2.00000	2.174	70.00- 130.00	100.00
14.735	14.735 (1.025)	91	145671			0.00- 30.00	196.24
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	66006	2.00000	1.987	70.00- 130.00	100.00
15.288	15.288 (1.063)	91	146766			188.03- 248.03	222.35
134 Styrene					CAS #: 100-42-5		
15.343	15.343 (1.067)	104	94100	2.00000	1.872	70.00- 130.00	100.00
15.343	15.343 (1.067)	78	51500			20.90- 80.90	54.73
135 Bromoform					CAS #: 75-25-2		
15.592	15.592 (1.085)	173	48335	2.00000	1.826	70.00- 130.00	100.00
15.592	15.592 (1.085)	171	23189			20.98- 80.98	47.98
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	192553	2.00000	1.970	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	54260			0.00- 30.00	28.18
15.786	15.786 (1.098)	51	17708			0.00- 30.00	9.20
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	88943	2.00000	1.992	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	55121			34.03- 94.03	61.97
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	225869	2.00000	2.073	70.00- 130.00	100.00
16.311	16.311 (1.135)	120	55400			0.00- 30.00	24.53
16.311	16.311 (1.135)	105	8864			0.00- 30.00	3.92
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.449 (1.144)	105	194098	2.00000	1.993	70.00- 130.00	100.00
16.449	16.449 (1.144)	120	59452			0.00- 59.69	30.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	171398	2.00000	1.976	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	84143			0.00- 30.00	49.09
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	184145	2.00000	2.039	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	82088			15.91- 75.91	44.58
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	103156	2.00000	2.023	70.00- 130.00	100.00
17.279	17.279 (1.202)	148	63064			0.00- 30.00	61.13
17.279	17.279 (1.202)	111	43390			0.00- 30.00	42.06
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.389 (1.210)	146	144807	2.00000	2.192	70.00- 130.00	100.00
17.389	17.389 (1.210)	148	86928			0.00- 30.00	60.03
17.389	17.389 (1.210)	111	56832			0.00- 30.00	39.25
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.555	17.555 (1.221)	91	137416	2.00000	1.973	70.00- 130.00	100.00
17.555	17.555 (1.221)	126	33924			0.00- 30.00	24.69
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	115380	2.00000	2.058	70.00- 130.00	100.00
17.749	17.749 (1.235)	148	70846			33.75- 93.75	61.40
17.749	17.749 (1.235)	111	51646			17.41- 77.41	44.76
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.131	19.131 (1.331)	180	113651	2.00000	2.501	70.00- 130.00	100.00
19.131	19.131 (1.331)	182	104307			65.57- 125.57	91.78
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	76604	2.00000	2.548	70.00- 130.00	100.00
19.214	19.214 (1.337)	223	48013			32.14- 92.14	62.68
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	274169	2.00000	2.632	70.00- 130.00	100.00
19.325	19.325 (1.344)	127	31335			0.00- 30.00	11.43

QC Flag Legend

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

Report Date: 05-Aug-2008 08:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080410.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	293712	0.41
88 1,4-Difluorobenze	1202703	721622	1683784	1200443	-0.19
125 Chlorobenzene-d5	1079897	647938	1511856	1078578	-0.12

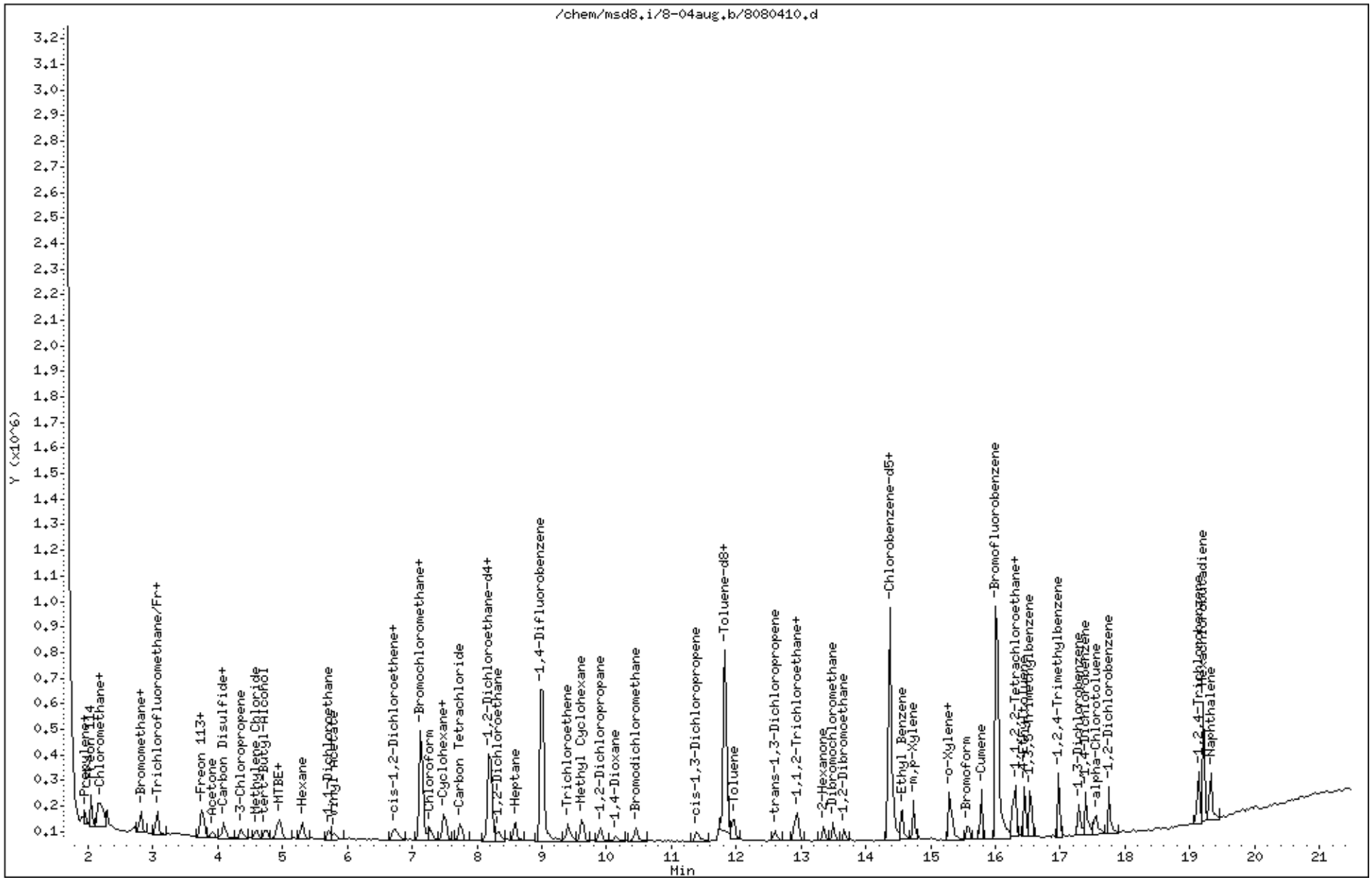
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

0123

Data File: /chem/msd8.i/8-04aug.b/8080410.d
Date : 05-AUG-2008 00:43
Client ID: Level 3
Sample Info: 2.0mL #1612-92

Instrument: msd8.i
Operator: smd
Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080411.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 05-AUG-2008 01:11
Operator : smd Inst ID: msd8.i
Smp Info : 25mL #1612-92
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:47 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 01:11 Cal File: 8080411.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.131	7.131 (1.000)	130	300517	25.0000		70.00- 130.00	100.00
	7.131	7.131 (1.000)	128	225321			47.98- 107.98	74.98
	7.131	7.131 (1.000)	49	385228			106.00- 166.00	128.19
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1213507	25.0000		70.00- 130.00	100.00
	8.984	8.984 (1.000)	88	192161			0.00- 46.07	15.84
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1107376	25.0000		70.00- 130.00	100.00
	14.376	14.376 (1.000)	82	591692			0.00- 30.00	53.43
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.182	8.182 (1.147)	65	425669	25.0000	23.839	70.00- 130.00	100.00
	8.210	8.210 (1.151)	67	230965			0.00- 30.00	54.26
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1236687	25.0000	25.090	70.00- 130.00	100.00
	11.832	11.832 (1.313)	70	129906			0.00- 30.00	10.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	825336			0.00- 30.00	66.74
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.035	16.035 (1.115)	174	588712	25.0000	25.108	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	880632			118.42- 178.42	149.59
16.035	16.035 (1.115)	176	572170			67.67- 127.67	97.19
3 Propylene						CAS #: 115-07-1	
1.906	1.906 (0.267)	41	314078	25.0000	23.157	70.00- 130.00	100.00
1.906	1.906 (0.267)	42	210221			0.00- 30.00	66.93
1.906	1.906 (0.267)	39	235694			0.00- 30.00	75.04
4 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
1.961	1.961 (0.275)	85	1200359	25.0000	25.409	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	388089			0.00- 30.00	32.33
6 Freon 114						CAS #: 76-14-2	
2.044	2.044 (0.287)	135	863448	25.0000	25.538	70.00- 130.00	100.00
2.044	2.044 (0.287)	137	270017			1.42- 61.42	31.27
8 Chloromethane						CAS #: 74-87-3	
2.155	2.155 (0.302)	50	339721	25.0000	23.546	70.00- 130.00	100.00
2.155	2.155 (0.302)	52	104838			0.00- 30.00	30.86
9 Butane						CAS #: 106-97-8	
2.238	2.238 (0.314)	58	89167	25.0000	21.744	70.00- 130.00	100.00
2.210	2.210 (0.310)	43	617375			0.00- 30.00	692.38
11 Vinyl Chloride						CAS #: 75-01-4	
2.293	2.293 (0.322)	62	448499	25.0000	24.205	70.00- 130.00	100.00
2.293	2.293 (0.322)	64	141753			0.00- 30.00	31.61
10 1,3-Butadiene						CAS #: 106-99-0	
2.293	2.293 (0.322)	54	323372	25.0000	23.351	70.00- 130.00	100.00
2.293	2.293 (0.322)	39	255345			0.00- 30.00	78.96
13 Bromomethane						CAS #: 74-83-9	
2.708	2.708 (0.380)	94	311877	25.0000	23.009	70.00- 130.00	100.00
2.708	2.708 (0.380)	96	290768			66.53- 126.53	93.23
16 Chloroethane						CAS #: 75-00-3	
2.791	2.791 (0.391)	64	238139	25.0000	26.012	70.00- 130.00	100.00
2.791	2.791 (0.391)	49	61533			0.00- 30.00	25.84
2.791	2.791 (0.391)	66	75428			0.00- 30.00	31.67

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	541650	25.0000	24.292	70.00- 130.00	100.00
2.818	2.818 (0.395)	57	396134			0.00- 30.00	73.13
2.818	2.818 (0.395)	72	46573			0.00- 30.00	8.60
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	1244933	25.0000	24.947	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	809220			34.28- 94.28	65.00
23 Ethanol					CAS #: 64-17-5		
3.344	3.344 (0.469)	45	157971	25.0000	25.162	70.00- 130.00	100.00
3.344	3.344 (0.469)	43	35773			0.00- 30.00	22.65
3.344	3.344 (0.469)	46	63605			0.00- 30.00	40.26
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	681850	25.0000	23.917	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	434623			34.49- 94.49	63.74
3.758	3.758 (0.527)	101	843359			92.46- 152.46	123.69
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	706797	25.0000	24.212	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	412901			29.64- 89.64	58.42
3.786	3.786 (0.531)	98	266899			7.66- 67.66	37.76
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	198347	25.0000	23.814	70.00- 130.00	100.00
3.924	3.924 (0.550)	43	673426			0.00- 30.00	339.52
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	1188660	25.0000	24.834	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.090	4.090 (0.574)	45	755913	25.0000	24.956	70.00- 130.00	100.00
4.090	4.090 (0.574)	43	179511			0.00- 30.00	23.75
4.118	4.118 (0.577)	59	32257			0.00- 30.00	4.27
37 3-Chloropropene					CAS #: 107-05-1		
4.367	4.367 (0.612)	76	204922	25.0000	25.138	70.00- 130.00	100.00
4.367	4.367 (0.612)	41	571795			0.00- 30.00	279.03
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	872857	25.0000	26.495	70.00- 130.00	100.00
4.726	4.726 (0.663)	41	180093			0.00- 30.00	20.63
4.726	4.726 (0.663)	57	96588			0.00- 30.00	11.07
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.588 (0.643)	49	463971	25.0000	23.309	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.588	4.588 (0.643)	84	354995			46.03- 106.03	76.51
4.588	4.588 (0.643)	51	134840			0.00- 30.00	29.06
43 MTBE					CAS #: 1634-04-4		
4.920	4.920 (0.690)	73	1247395	25.0000	24.023	70.00- 130.00	100.00
4.920	4.920 (0.690)	57	286563			0.00- 52.36	22.97
4.920	4.920 (0.690)	41	280215			0.00- 30.00	22.46
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	467792	25.0000	24.495	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	679168			117.81- 177.81	145.19
4.975	4.975 (0.698)	98	289621			0.00- 30.00	61.91
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	741111	25.0000	24.524	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	456361			0.00- 30.00	61.58
5.307	5.307 (0.744)	86	136003			0.00- 30.00	18.35
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.721 (0.802)	63	780690	25.0000	24.313	70.00- 130.00	100.00
5.721	5.721 (0.802)	65	250412			1.12- 61.12	32.08
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	110899	25.0000	22.532	70.00- 130.00	100.00
5.804	5.804 (0.814)	43	1099351			0.00- 30.00	991.31
5.804	5.804 (0.814)	42	98143			0.00- 30.00	88.50
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	599896	25.0000	25.375	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	442314			44.78- 104.78	73.73
6.717	6.717 (0.942)	98	280037			17.70- 77.70	46.68
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	212025	25.0000	21.591	70.00- 130.00	100.00
6.772	6.772 (0.950)	43	837537			352.72- 412.72	395.02
6.772	6.772 (0.950)	57	67858			0.00- 30.00	32.00
67 Tetrahydrofuran					CAS #: 109-99-9		
7.131	7.131 (1.000)	42	501314	25.0000	20.942	70.00- 130.00	100.00
7.131	7.131 (1.000)	71	187972			7.84- 67.84	37.50
7.131	7.131 (1.000)	72	203738			0.00- 30.00	40.64
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	833857	25.0000	24.137	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	542956			34.57- 94.57	65.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	645713	25.0000	23.790	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	756864			86.25- 146.25	117.21
7.491	7.491 (1.050)	41	405929			33.52- 93.52	62.87
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	973793	25.0000	24.488	70.00- 130.00	100.00
7.519	7.519 (1.054)	99	619575			34.20- 94.20	63.62
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	926951	25.0000	24.624	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	951838			73.55- 133.55	102.68
81 Benzene					CAS #: 71-43-2		
8.155	8.155 (0.905)	78	1268682	25.0000	23.793	70.00- 130.00	100.00
8.155	8.155 (0.905)	77	297361			0.00- 30.00	23.44
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.182	8.182 (1.147)	57	2281485	25.0000	24.358	70.00- 130.00	100.00
8.182	8.182 (1.147)	56	724669			0.00- 30.00	31.76
8.182	8.182 (1.147)	41	583043			0.00- 30.00	25.56
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	603411	25.0000	23.862	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	197157			0.00- 30.00	32.67
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	159161	25.0000	23.074	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	801204			0.00- 30.00	503.39
8.597	8.597 (0.954)	71	454421			0.00- 30.00	285.51
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	564995	25.0000	25.070	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	584866			74.03- 134.03	103.52
9.399	9.399 (1.043)	97	356887			33.83- 93.83	63.17
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	859567	25.0000	23.803	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	422739			0.00- 30.00	49.18
9.620	9.620 (1.349)	55	682764			0.00- 30.00	79.43
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.896 (1.098)	63	464926	25.0000	24.880	70.00- 130.00	100.00
9.896	9.896 (1.098)	62	323446			40.79- 100.79	69.57
9.896	9.896 (1.098)	41	281484			29.63- 89.63	60.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	322541	25.0000	24.501	70.00- 130.00	100.00
10.145	10.145 (1.126)	58	222399			40.70- 100.70	68.95
10.145	10.145 (1.126)	57	75073			0.00- 30.00	23.28
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.449 (1.160)	83	842951	25.0000	24.370	70.00- 130.00	100.00
10.449	10.449 (1.160)	85	537355			33.28- 93.28	63.75
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.389	11.389 (1.264)	75	703215	25.0000	23.998	70.00- 130.00	100.00
11.389	11.389 (1.264)	77	221093			1.43- 61.43	31.44
11.389	11.389 (1.264)	39	341691			19.82- 79.82	48.59
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	420568	25.0000	24.075	70.00- 130.00	100.00
11.749	11.749 (1.304)	43	1015639			0.00- 30.00	241.49
11.749	11.749 (1.304)	85	183535			0.00- 30.00	43.64
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	1557375	25.0000	24.805	70.00- 130.00	100.00
11.970	11.970 (1.328)	92	926003			30.55- 90.55	59.46
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	735023	25.0000	23.548	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	224811			1.82- 61.82	30.59
12.606	12.606 (0.877)	39	347835			16.70- 76.70	47.32
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	521203	25.0000	23.614	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	322156			31.05- 91.05	61.81
12.910	12.910 (0.898)	83	417527			49.24- 109.24	80.11
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	642585	25.0000	24.137	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	527240			53.94- 113.94	82.05
12.938	12.938 (0.900)	131	509664			49.66- 109.66	79.31
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	582294	25.0000	25.027	70.00- 130.00	100.00
13.353	13.353 (0.929)	43	1014961			146.80- 206.80	174.30
13.353	13.353 (0.929)	100	122538			0.00- 30.00	21.04
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	805339	25.0000	23.747	70.00- 130.00	100.00
13.491	13.491 (0.938)	127	616930			0.00- 30.00	76.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	818715	25.0000	23.896	70.00- 130.00	100.00
13.657	13.657 (0.950)	109	785694			63.34- 123.34	95.97
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	1325421	25.0000	24.962	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	415594			1.67- 61.67	31.36
14.403	14.403 (1.002)	77	754295			28.04- 88.04	56.91
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	663225	25.0000	24.105	70.00- 130.00	100.00
14.569	14.569 (1.013)	91	2084015			0.00- 30.00	314.22
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	859378	25.0000	24.510	70.00- 130.00	100.00
14.735	14.735 (1.025)	91	1728389			0.00- 30.00	201.12
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	841637	25.0000	24.676	70.00- 130.00	100.00
15.288	15.288 (1.063)	91	1793231			188.03- 248.03	213.06
134 Styrene					CAS #: 100-42-5		
15.316	15.316 (1.065)	104	1254351	25.0000	24.312	70.00- 130.00	100.00
15.316	15.316 (1.065)	78	666172			20.90- 80.90	53.11
135 Bromoform					CAS #: 75-25-2		
15.565	15.565 (1.083)	173	649735	25.0000	23.907	70.00- 130.00	100.00
15.565	15.565 (1.083)	171	335645			20.98- 80.98	51.66
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	2414934	25.0000	24.069	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	664094			0.00- 30.00	27.50
15.786	15.786 (1.098)	51	213709			0.00- 30.00	8.85
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	1090297	25.0000	23.784	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	698895			34.03- 94.03	64.10
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	2819184	25.0000	25.200	70.00- 130.00	100.00
16.311	16.311 (1.135)	120	690336			0.00- 30.00	24.49
16.311	16.311 (1.135)	105	108908			0.00- 30.00	3.86
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.449 (1.144)	105	2537480	25.0000	25.380	70.00- 130.00	100.00
16.449	16.449 (1.144)	120	768175			0.00- 59.69	30.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	2124514	25.0000	23.853	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	1063306			0.00- 30.00	50.05
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	2289161	25.0000	24.690	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	1064764			15.91- 75.91	46.51
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	1261840	25.0000	24.107	70.00- 130.00	100.00
17.279	17.279 (1.202)	148	808624			0.00- 30.00	64.08
17.279	17.279 (1.202)	111	566437			0.00- 30.00	44.89
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.389 (1.210)	146	1625222	25.0000	23.964	70.00- 130.00	100.00
17.389	17.389 (1.210)	148	1039077			0.00- 30.00	63.93
17.389	17.389 (1.210)	111	663261			0.00- 30.00	40.81
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.555	17.555 (1.221)	91	1796356	25.0000	25.124	70.00- 130.00	100.00
17.555	17.555 (1.221)	126	373137			0.00- 30.00	20.77
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	1324118	25.0000	23.002	70.00- 130.00	100.00
17.749	17.749 (1.235)	148	846940			33.75- 93.75	63.96
17.749	17.749 (1.235)	111	634611			17.41- 77.41	47.93
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.131	19.131 (1.331)	180	1057134	25.0000	22.659	70.00- 130.00	100.00
19.131	19.131 (1.331)	182	1002228			65.57- 125.57	94.81
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	732134	25.0000	23.715	70.00- 130.00	100.00
19.214	19.214 (1.337)	223	460312			32.14- 92.14	62.87
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	2410931	25.0000	22.541	70.00- 130.00	100.00
19.325	19.325 (1.344)	127	291343			0.00- 30.00	12.08

Report Date: 05-Aug-2008 08:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080411.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	300517	2.74
88 1,4-Difluorobenze	1202703	721622	1683784	1213507	0.90
125 Chlorobenzene-d5	1079897	647938	1511856	1107376	2.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

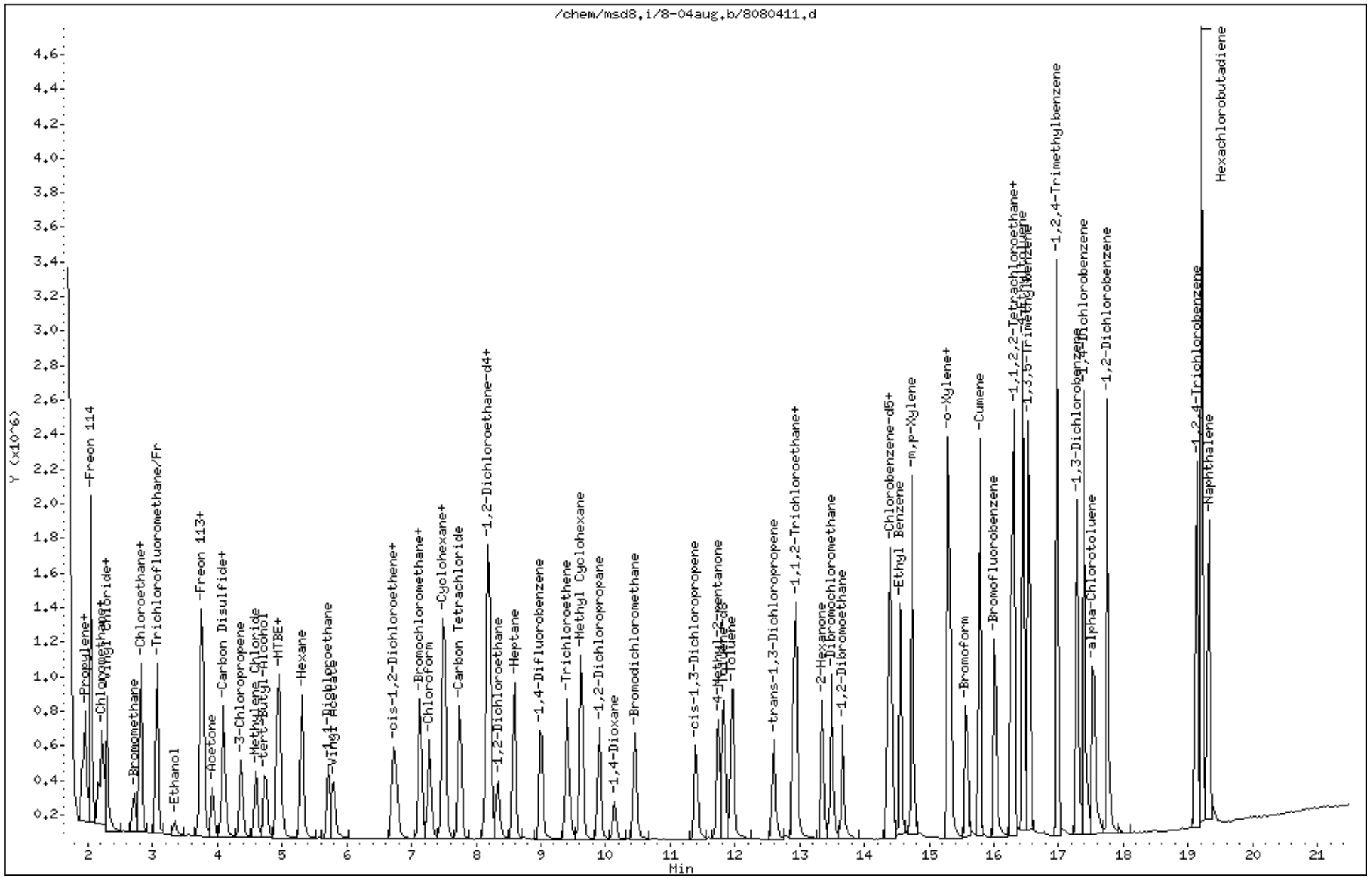
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0133

Data File: /chem/msd8.i/8-04aug.b/8080411.d
Date : 05-AUG-2008 01:11
Client ID: Level 4
Sample Info: 25mL #1612-92

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-06aug.b/8080606.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 06-AUG-2008 12:07
Operator : smd Inst ID: msd8.i
Smp Info : 50mL #1612-99
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd8.i/8-06aug.b/t14q804b.m
Meth Date : 06-Aug-2008 15:10 cleonard Quant Type: ISTD
Cal Date : 06-AUG-2008 12:07 Cal File: 8080606.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp36b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.131	7.131 (1.000)	130	281124	25.0000		80.00- 120.00	100.00
7.131	7.131 (1.000)	128	218208			47.62- 107.62	77.62
7.131	7.131 (1.000)	49	380810			105.46- 165.46	135.46
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	1158007	25.0000		80.00- 120.00	100.00
8.984	8.984 (1.000)	88	181810			0.00- 45.70	15.70
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	1023146	25.0000		80.00- 120.00	100.00
14.376	14.376 (1.000)	82	557253			24.46- 84.46	54.46
1 Freon 152a					CAS #: 75-37-6		
1.906	1.906 (0.267)	65	464357	50.0000	41.756	80.00- 120.00	100.00
1.850	1.850 (0.259)	51	134303			0.00- 58.92	28.92
2 Freon 22					CAS #: 75-45-6		
1.961	1.961 (0.275)	67	218317	50.0000	44.356	80.00- 120.00	100.00
1.961	1.961 (0.275)	51	2080079			922.78- 982.78	952.78

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
5 Freon134a					CAS #: 811-97-2		
1.850	1.850 (0.259)	83	862046	50.0000	43.272	80.00- 120.00	100.00
1.795	1.795 (0.252)	69	2844956			300.02- 360.02	330.02
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.039	3.039 (0.426)	67	1343718	50.0000	44.765	80.00- 120.00	100.00
3.039	3.039 (0.426)	69	427257			1.80- 61.80	31.80
3.067	3.067 (0.430)	35	27492			0.00- 32.05	2.05
20 Freon123a					CAS #: 354-23-4		
3.509	3.509 (0.492)	67	936369	50.0000	44.957	80.00- 120.00	100.00
3.537	3.537 (0.496)	117	739361			48.96- 108.96	78.96
21 Freon123					CAS #: 306-83-2		
3.620	3.620 (0.508)	83	1278387	50.0000	44.745	80.00- 120.00	100.00
3.620	3.620 (0.508)	133	276858			0.00- 51.66	21.66
3.620	3.620 (0.508)	85	882166			39.01- 99.01	69.01
27 Freon142b					CAS #: 75-68-3		
2.127	2.127 (0.298)	65	1646009	50.0000	44.318	80.00- 120.00	100.00
2.099	2.099 (0.294)	45	382582			0.00- 53.24	23.24
32 Freon143a					CAS #: 420-46-2		
1.795	1.795 (0.252)	65	337761	50.0000	45.973	80.00- 120.00	100.00
1.795	1.795 (0.252)	69	2844956			812.30- 872.30	842.30
49 Isopropyl ether					CAS #: 108-20-3		
5.721	5.721 (0.802)	45	2669095	50.0000	43.914	80.00- 120.00	100.00
5.721	5.721 (0.802)	87	765105			0.00- 58.67	28.67
5.721	5.721 (0.802)	59	301582			0.00- 41.30	11.30
52 1-Propanol					CAS #: 71-23-8		
5.915	5.915 (0.829)	42	116188	50.0000	40.297	80.00- 120.00	100.00
5.915	5.915 (0.829)	59	143621			93.61- 153.61	123.61
5.915	5.915 (0.829)	41	84803			42.99- 102.99	72.99
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.330	6.330 (0.888)	59	2428095	50.0000	43.894	80.00- 120.00	100.00
6.330	6.330 (0.888)	87	1040232			12.84- 72.84	42.84
6.330	6.330 (0.888)	41	438014			0.00- 48.04	18.04
61 Ethyl Acetate					CAS #: 141-78-6		
6.827	6.827 (0.957)	70	197902	50.0000	41.631	80.00- 120.00	100.00
6.827	6.827 (0.957)	45	244924			93.76- 153.76	123.76
6.827	6.827 (0.957)	61	252969			97.83- 157.83	127.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
78 Isobutanol					CAS #: 78-83-1		
8.182	8.182 (0.908)	43	634842	50.0000	44.439	80.00- 120.00	100.00
8.154	8.154 (0.905)	41	458515			42.23- 102.23	72.23
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.376	8.376 (1.174)	73	2210755	50.0000	44.938	80.00- 120.00	100.00
8.376	8.376 (1.174)	87	570852			0.00- 55.82	25.82
8.376	8.376 (1.174)	55	613992			0.00- 57.77	27.77
89 1-Butanol					CAS #: 71-36-3		
9.454	9.454 (1.049)	56	617279	50.0000	40.692	80.00- 120.00	100.00
9.454	9.454 (1.049)	41	394861			33.97- 93.97	63.97
9.454	9.454 (1.049)	43	317511			21.44- 81.44	51.44
113 Butyl Acetate					CAS #: 123-86-4		
13.546	13.546 (1.503)	56	920494	50.0000	48.136	80.00- 120.00	100.00
13.546	13.546 (1.503)	73	336604			6.57- 66.57	36.57
13.546	13.546 (1.503)	43	2003174			187.62- 247.62	217.62
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.726	16.726 (1.163)	57	2483748	50.0000	45.889	80.00- 120.00	100.00
16.753	16.753 (1.165)	85	2147855			56.48- 116.48	86.48
133 2-Heptanone					CAS #: 110-43-0		
15.537	15.537 (1.081)	58	1270850	50.0000	46.941	80.00- 120.00	100.00
15.537	15.537 (1.081)	43	1920008			121.08- 181.08	151.08
136 Cyclohexanone					CAS #: 108-94-1		
15.952	15.952 (1.110)	55	1030849	50.0000	44.910	80.00- 120.00	100.00
15.952	15.952 (1.110)	98	510548			19.53- 79.53	49.53
15.952	15.952 (1.110)	42	681283			36.09- 96.09	66.09
36 Cyclopentene					CAS #: 142-29-0		
4.394	4.394 (0.616)	67	1864223	50.0000	44.482	80.00- 120.00	100.00
4.394	4.394 (0.616)	68	714732			8.34- 68.34	38.34
4.394	4.394 (0.616)	53	365081			0.00- 49.58	19.58
60 2,2-Dichloropropane					CAS #: 594-20-7		
6.661	6.661 (0.934)	77	1497904	50.0000	45.326	80.00- 120.00	100.00
6.661	6.661 (0.934)	79	478121			1.92- 61.92	31.92
6.661	6.661 (0.934)	97	295117			0.00- 49.70	19.70
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.823	7.823 (1.097)	110	424299	50.0000	44.179	80.00- 120.00	100.00
7.823	7.823 (1.097)	75	1166613			244.95- 304.95	274.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.187	13.187 (1.463)	76	1369995	50.0000	43.930	80.00- 120.00	100.00
13.187	13.187 (1.463)	41	856833			32.54- 92.54	62.54
13.187	13.187 (1.463)	78	442152			2.27- 62.27	32.27
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.569	14.569 (1.013)	131	1127753	50.0000	44.521	80.00- 120.00	100.00
14.569	14.569 (1.013)	117	776637			38.87- 98.87	68.87
14.569	14.569 (1.013)	95	449708			9.88- 69.88	39.88
139 Bromobenzene					CAS #: 108-86-1		
16.173	16.173 (1.125)	156	1431266	50.0000	44.732	80.00- 120.00	100.00
16.173	16.173 (1.125)	77	2176881			122.09- 182.09	152.09
16.173	16.173 (1.125)	158	1366538			65.48- 125.48	95.48
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.311	16.311 (1.135)	110	679571	50.0000	43.483	80.00- 120.00	100.00
16.311	16.311 (1.135)	61	429325			33.18- 93.18	63.18
16.311	16.311 (1.135)	112	431849			33.55- 93.55	63.55
143 2-Chlorotoluene					CAS #: 95-49-8		
16.422	16.422 (1.142)	126	1157784	50.0000	44.663	80.00- 120.00	100.00
16.422	16.422 (1.142)	91	3353429			259.64- 319.64	289.64
16.422	16.422 (1.142)	65	287566			0.00- 54.84	24.84
146 4-Chlorotoluene					CAS #: 106-43-4		
16.560	16.560 (1.152)	126	1014989	50.0000	42.811	80.00- 120.00	100.00
16.560	16.560 (1.152)	91	3439971			308.92- 368.92	338.92
16.560	16.560 (1.152)	63	412919			10.68- 70.68	40.68
150 tert-Butylbenzene					CAS #: 98-06-6		
16.919	16.919 (1.177)	119	4597634	50.0000	43.077	80.00- 120.00	100.00
16.919	16.919 (1.177)	134	1010866			0.00- 51.99	21.99
16.892	16.892 (1.175)	91	2342451			20.95- 80.95	50.95
151 Pentachloroethane					CAS #: 76-01-7		
16.947	16.947 (1.179)	167	924958	50.0000	44.631	80.00- 120.00	100.00
16.947	16.947 (1.179)	117	1150249			94.36- 154.36	124.36
152 sec-Butylbenzene					CAS #: 135-98-8		
17.140	17.140 (1.192)	105	5425394	50.0000	45.396	80.00- 120.00	100.00
17.140	17.140 (1.192)	134	1021703			0.00- 48.83	18.83
17.140	17.140 (1.192)	91	851412			0.00- 45.69	15.69
154 p-Cymene					CAS #: 99-87-6		
17.306	17.306 (1.204)	134	1279483	50.0000	44.528	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
154 p-Cymene (continued)							
17.306	17.306 (1.204)	119	5517347			401.22- 461.22	431.22
17.306	17.306 (1.204)	91	1303110			71.85- 131.85	101.85
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.417	17.417 (1.212)	120	1757651	50.0000	45.273	80.00- 120.00	100.00
17.417	17.417 (1.212)	105	4160375			206.70- 266.70	236.70
17.417	17.417 (1.212)	77	484139			0.00- 57.54	27.54
159 Butylbenzene					CAS #: 104-51-8		
17.721	17.721 (1.233)	134	1298681	50.0000	45.493	80.00- 120.00	100.00
17.721	17.721 (1.233)	91	4263039			298.26- 358.26	328.26
17.721	17.721 (1.233)	92	2351187			151.04- 211.04	181.04
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.468	18.468 (1.285)	157	1231206	50.0000	45.352	80.00- 120.00	100.00
18.468	18.468 (1.285)	75	1343637			79.13- 139.13	109.13
18.468	18.468 (1.285)	155	956974			47.73- 107.73	77.73

Report Date: 06-Aug-2008 15:10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080606.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-06aug.b/t14q804b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 06-AUG-2008
Calibration Time: 12:07
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	281124	168674	393574	281124	0.00
88 1,4-Difluorobenze	1158007	694804	1621210	1158007	0.00
125 Chlorobenzene-d5	1023146	613888	1432404	1023146	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	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.

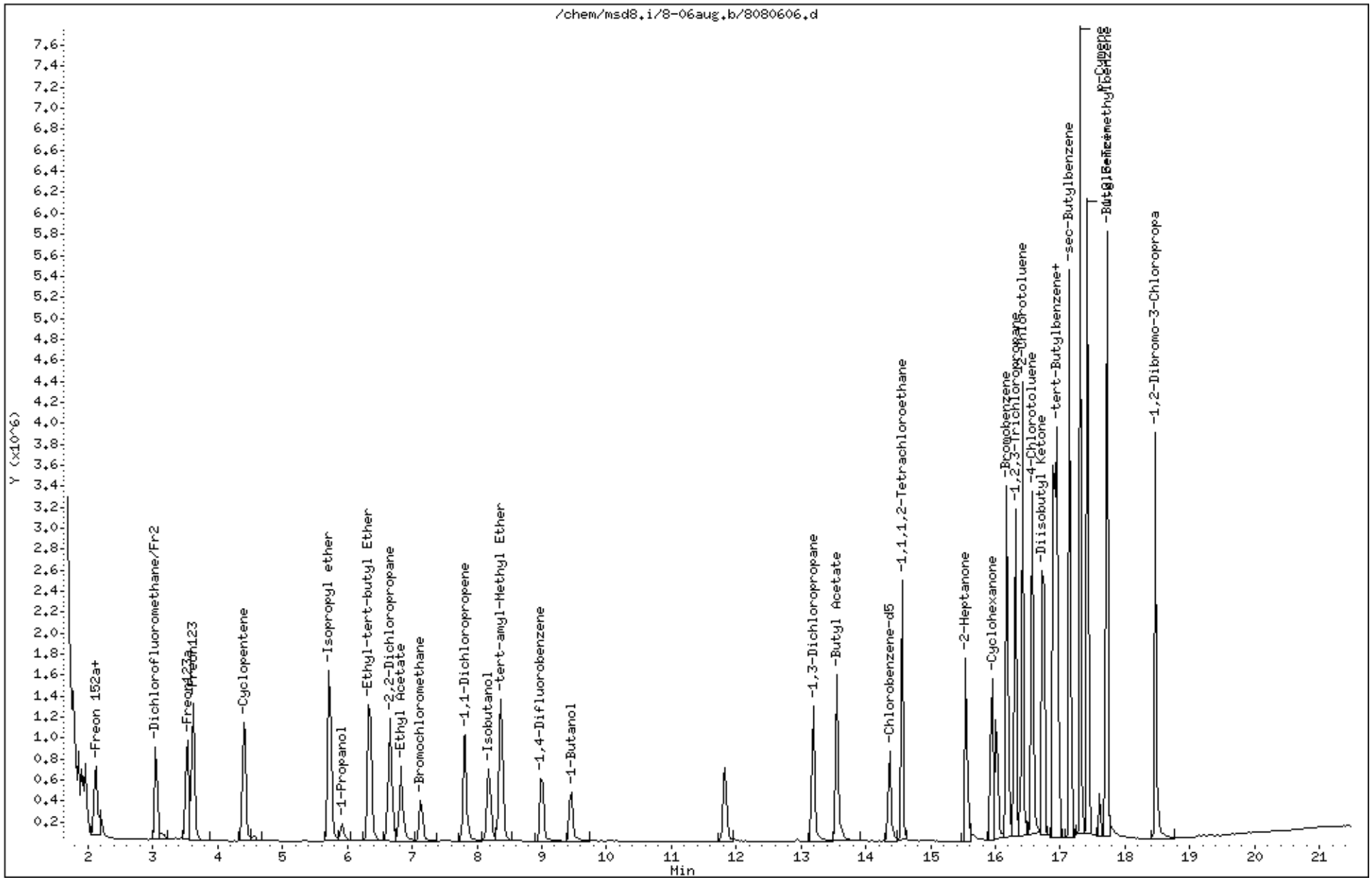
0140

Data File: /chem/msd8.i/8-06aug.b/8080606.d
Date : 06-AUG-2008 12:07
Client ID: Level 5
Sample Info: 50mL #1612-99

Instrument: msd8.i

Operator: smd

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080412.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 05-AUG-2008 01:39
Operator : smd Inst ID: msd8.i
Smp Info : 50mL #1612-92
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:47 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 01:39 Cal File: 8080412.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.131	7.131 (1.000)	130	292500	25.0000		80.00- 120.00	100.00
	7.131	7.131 (1.000)	128	228105			47.98- 107.98	77.98
	7.131	7.131 (1.000)	49	397793			106.00- 166.00	136.00
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1202703	25.0000		80.00- 120.00	100.00
	8.984	8.984 (1.000)	88	193230			0.00- 46.07	16.07
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1079897	25.0000		80.00- 120.00	100.00
	14.376	14.376 (1.000)	82	581404			23.84- 83.84	53.84
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.182	8.182 (1.147)	65	439318	25.0000	25.278	80.00- 120.00	100.00
	8.182	8.182 (1.147)	67	250700			27.07- 87.07	57.07
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1218072	25.0000	24.935	80.00- 120.00	100.00
	11.832	11.832 (1.313)	70	131870			0.00- 40.83	10.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	863303			40.87- 100.87	70.87
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	588480	25.0000	25.737	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	873398			118.42- 178.42	148.42
16.035	16.035 (1.115)	176	574755			67.67- 127.67	97.67
3 Propylene					CAS #: 115-07-1		
1.906	1.906 (0.267)	41	592574	50.0000	44.888	80.00- 120.00	100.00
1.906	1.906 (0.267)	42	405452			38.42- 98.42	68.42
1.906	1.906 (0.267)	39	446549			45.36- 105.36	75.36
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.961 (0.275)	85	2310102	50.0000	50.240	80.00- 120.00	100.00
1.961	1.961 (0.275)	87	754221			2.65- 62.65	32.65
6 Freon 114					CAS #: 76-14-2		
2.044	2.044 (0.287)	135	1604380	50.0000	48.753	80.00- 120.00	100.00
2.044	2.044 (0.287)	137	504024			1.42- 61.42	31.42
8 Chloromethane					CAS #: 74-87-3		
2.155	2.155 (0.302)	50	663770	50.0000	47.267	80.00- 120.00	100.00
2.155	2.155 (0.302)	52	213981			2.24- 62.24	32.24
9 Butane					CAS #: 106-97-8		
2.238	2.238 (0.314)	58	184004	50.0000	46.101	80.00- 120.00	100.00
2.238	2.238 (0.314)	43	1257953			653.66- 713.66	683.66
11 Vinyl Chloride					CAS #: 75-01-4		
2.293	2.293 (0.322)	62	887641	50.0000	49.218	80.00- 120.00	100.00
2.293	2.293 (0.322)	64	284523			2.05- 62.05	32.05
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.293 (0.322)	54	646015	50.0000	47.928	80.00- 120.00	100.00
2.293	2.293 (0.322)	39	470778			42.87- 102.87	72.87
13 Bromomethane					CAS #: 74-83-9		
2.708	2.708 (0.380)	94	632677	50.0000	47.956	80.00- 120.00	100.00
2.708	2.708 (0.380)	96	610735			66.53- 126.53	96.53
16 Chloroethane					CAS #: 75-00-3		
2.791	2.791 (0.391)	64	463133	50.0000	51.975	80.00- 120.00	100.00
2.791	2.791 (0.391)	49	123121			0.00- 56.58	26.58
2.791	2.791 (0.391)	66	151665			2.75- 62.75	32.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	1051387	50.0000	48.445	80.00- 120.00	100.00
2.818	2.818 (0.395)	57	757212			42.02- 102.02	72.02
2.818	2.818 (0.395)	72	91500			0.00- 38.70	8.70
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	2424396	50.0000	49.914	80.00- 120.00	100.00
3.067	3.067 (0.430)	103	1558429			34.28- 94.28	64.28
23 Ethanol					CAS #: 64-17-5		
3.344	3.344 (0.469)	45	299461	50.0000	49.007	80.00- 120.00	100.00
3.344	3.344 (0.469)	43	65430			0.00- 51.85	21.85
3.344	3.344 (0.469)	46	124690			11.64- 71.64	41.64
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	1329208	50.0000	47.902	80.00- 120.00	100.00
3.758	3.758 (0.527)	153	857229			34.49- 94.49	64.49
3.758	3.758 (0.527)	101	1627736			92.46- 152.46	122.46
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	1361209	50.0000	47.908	80.00- 120.00	100.00
3.786	3.786 (0.531)	96	811862			29.64- 89.64	59.64
3.786	3.786 (0.531)	98	512666			7.66- 67.66	37.66
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	409003	50.0000	50.452	80.00- 120.00	100.00
3.924	3.924 (0.550)	43	1327322			294.53- 354.53	324.53
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	2333436	50.0000	50.087	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.090	4.090 (0.574)	45	1484766	50.0000	50.362	80.00- 120.00	100.00
4.090	4.090 (0.574)	43	340896			0.00- 52.96	22.96
4.090	4.090 (0.574)	59	61409			0.00- 34.14	4.14
37 3-Chloropropene					CAS #: 107-05-1		
4.367	4.367 (0.612)	76	408276	50.0000	51.456	80.00- 120.00	100.00
4.367	4.367 (0.612)	41	1110780			242.07- 302.07	272.07
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	1641998	50.0000	51.207	80.00- 120.00	100.00
4.726	4.726 (0.663)	41	357813			0.00- 51.79	21.79
4.726	4.726 (0.663)	57	171889			0.00- 40.47	10.47
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.588 (0.643)	49	914692	50.0000	47.212	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.588	4.588 (0.643)	84	695480			46.03- 106.03	76.03
4.588	4.588 (0.643)	51	269121			0.00- 59.42	29.42
43 MTBE					CAS #: 1634-04-4		
4.920	4.920 (0.690)	73	2432631	50.0000	48.133	80.00- 120.00	100.00
4.920	4.920 (0.690)	57	544040			0.00- 52.36	22.36
4.920	4.920 (0.690)	41	514029			0.00- 51.13	21.13
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	903126	50.0000	48.587	80.00- 120.00	100.00
4.975	4.975 (0.698)	61	1334871			117.81- 177.81	147.81
4.975	4.975 (0.698)	98	579037			34.11- 94.11	64.11
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	1428575	50.0000	48.569	80.00- 120.00	100.00
5.307	5.307 (0.744)	43	864828			30.54- 90.54	60.54
5.307	5.307 (0.744)	86	267336			0.00- 48.71	18.71
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.721 (0.802)	63	1532276	50.0000	49.028	80.00- 120.00	100.00
5.721	5.721 (0.802)	65	476777			1.12- 61.12	31.12
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	224845	50.0000	46.934	80.00- 120.00	100.00
5.777	5.777 (0.810)	43	2182500			940.67-1000.67	970.67
5.777	5.777 (0.810)	42	190838			54.88- 114.88	84.88
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	1154347	50.0000	50.166	80.00- 120.00	100.00
6.717	6.717 (0.942)	96	863252			44.78- 104.78	74.78
6.717	6.717 (0.942)	98	550617			17.70- 77.70	47.70
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	431252	50.0000	45.119	80.00- 120.00	100.00
6.772	6.772 (0.950)	43	1650504			352.72- 412.72	382.72
6.772	6.772 (0.950)	57	138294			2.07- 62.07	32.07
67 Tetrahydrofuran					CAS #: 109-99-9		
7.131	7.131 (1.000)	42	959126	50.0000	41.166	80.00- 120.00	100.00
7.131	7.131 (1.000)	71	362920			7.84- 67.84	37.84
7.131	7.131 (1.000)	72	395983			11.29- 71.29	41.29
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	1626024	50.0000	48.358	80.00- 120.00	100.00
7.270	7.270 (1.019)	85	1049892			34.57- 94.57	64.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	1249663	50.0000	47.302	80.00- 120.00	100.00
7.491	7.491 (1.050)	56	1452776			86.25- 146.25	116.25
7.491	7.491 (1.050)	41	793730			33.52- 93.52	63.52
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	1897635	50.0000	49.027	80.00- 120.00	100.00
7.519	7.519 (1.054)	99	1218359			34.20- 94.20	64.20
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	1827756	50.0000	49.884	80.00- 120.00	100.00
7.740	7.740 (1.085)	117	1892661			73.55- 133.55	103.55
81 Benzene					CAS #: 71-43-2		
8.155	8.155 (0.905)	78	2491823	50.0000	47.151	80.00- 120.00	100.00
8.155	8.155 (0.905)	77	571646			0.00- 52.94	22.94
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.210	8.210 (1.151)	57	4459436	50.0000	48.915	80.00- 120.00	100.00
8.210	8.210 (1.151)	56	1417419			1.78- 61.78	31.78
8.182	8.182 (1.147)	41	1146551			0.00- 55.71	25.71
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	1202831	50.0000	47.993	80.00- 120.00	100.00
8.348	8.348 (0.926)	64	386727			2.15- 62.15	32.15
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	308262	50.0000	45.091	80.00- 120.00	100.00
8.597	8.597 (0.954)	43	1541048			469.92- 529.92	499.92
8.597	8.597 (0.954)	71	901748			262.53- 322.53	292.53
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	1091295	50.0000	48.859	80.00- 120.00	100.00
9.399	9.399 (1.043)	130	1135250			74.03- 134.03	104.03
9.399	9.399 (1.043)	97	696547			33.83- 93.83	63.83
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	1678077	50.0000	47.743	80.00- 120.00	100.00
9.620	9.620 (1.349)	98	833727			19.68- 79.68	49.68
9.620	9.620 (1.349)	55	1348321			50.35- 110.35	80.35
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.896 (1.098)	63	896193	50.0000	48.390	80.00- 120.00	100.00
9.896	9.896 (1.098)	62	634386			40.79- 100.79	70.79
9.896	9.896 (1.098)	41	534432			29.63- 89.63	59.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	632309	50.0000	48.463	80.00- 120.00	100.00
10.145	10.145 (1.126)	58	447029			40.70- 100.70	70.70
10.145	10.145 (1.126)	57	143556			0.00- 52.70	22.70
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.449 (1.160)	83	1688072	50.0000	49.240	80.00- 120.00	100.00
10.449	10.449 (1.160)	85	1068158			33.28- 93.28	63.28
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.389	11.389 (1.264)	75	1373930	50.0000	47.309	80.00- 120.00	100.00
11.389	11.389 (1.264)	77	431839			1.43- 61.43	31.43
11.389	11.389 (1.264)	39	684537			19.82- 79.82	49.82
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	805169	50.0000	46.505	80.00- 120.00	100.00
11.749	11.749 (1.304)	43	1981844			216.14- 276.14	246.14
11.749	11.749 (1.304)	85	363624			15.16- 75.16	45.16
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	3055072	50.0000	49.097	80.00- 120.00	100.00
11.970	11.970 (1.328)	92	1849996			30.55- 90.55	60.55
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	1422066	50.0000	46.718	80.00- 120.00	100.00
12.606	12.606 (0.877)	77	452490			1.82- 61.82	31.82
12.606	12.606 (0.877)	39	664169			16.70- 76.70	46.70
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	1039266	50.0000	48.284	80.00- 120.00	100.00
12.910	12.910 (0.898)	99	634511			31.05- 91.05	61.05
12.910	12.910 (0.898)	83	823562			49.24- 109.24	79.24
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	1232813	50.0000	47.486	80.00- 120.00	100.00
12.938	12.938 (0.900)	129	1034846			53.94- 113.94	83.94
12.938	12.938 (0.900)	131	982027			49.66- 109.66	79.66
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	1144982	50.0000	50.464	80.00- 120.00	100.00
13.353	13.353 (0.929)	43	2024273			146.80- 206.80	176.80
13.353	13.353 (0.929)	100	258969			0.00- 52.62	22.62
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	1627792	50.0000	49.219	80.00- 120.00	100.00
13.491	13.491 (0.938)	127	1251312			46.87- 106.87	76.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	1611211	50.0000	48.224	80.00- 120.00	100.00
13.657	13.657 (0.950)	109	1503938			63.34- 123.34	93.34
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	2510524	50.0000	48.485	80.00- 120.00	100.00
14.403	14.403 (1.002)	114	795208			1.67- 61.67	31.67
14.403	14.403 (1.002)	77	1457081			28.04- 88.04	58.04
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	1299645	50.0000	48.438	80.00- 120.00	100.00
14.569	14.569 (1.013)	91	4182382			291.81- 351.81	321.81
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	1708003	50.0000	49.953	80.00- 120.00	100.00
14.735	14.735 (1.025)	91	3413576			169.86- 229.86	199.86
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	1638892	50.0000	49.273	80.00- 120.00	100.00
15.288	15.288 (1.063)	91	3573341			188.03- 248.03	218.03
134 Styrene					CAS #: 100-42-5		
15.316	15.316 (1.065)	104	2515818	50.0000	50.003	80.00- 120.00	100.00
15.316	15.316 (1.065)	78	1280535			20.90- 80.90	50.90
135 Bromoform					CAS #: 75-25-2		
15.565	15.565 (1.083)	173	1338907	50.0000	50.518	80.00- 120.00	100.00
15.565	15.565 (1.083)	171	682590			20.98- 80.98	50.98
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	4789279	50.0000	48.948	80.00- 120.00	100.00
15.786	15.786 (1.098)	120	1338628			0.00- 57.95	27.95
15.786	15.786 (1.098)	51	417815			0.00- 38.72	8.72
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	2195801	50.0000	49.120	80.00- 120.00	100.00
16.256	16.256 (1.131)	85	1405970			34.03- 94.03	64.03
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	5780783	50.0000	52.988	80.00- 120.00	100.00
16.311	16.311 (1.135)	120	1409208			0.00- 54.38	24.38
16.311	16.311 (1.135)	105	208247			0.00- 33.60	3.60
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.449 (1.144)	105	5174142	50.0000	53.070	80.00- 120.00	100.00
16.449	16.449 (1.144)	120	1536054			0.00- 59.69	29.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	4200964	50.0000	48.367	80.00- 120.00	100.00
16.532	16.532 (1.150)	120	2119519			20.45- 80.45	50.45
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	4624296	50.0000	51.146	80.00- 120.00	100.00
16.975	16.975 (1.181)	120	2123083			15.91- 75.91	45.91
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	2558871	50.0000	50.130	80.00- 120.00	100.00
17.279	17.279 (1.202)	148	1620413			33.33- 93.33	63.33
17.279	17.279 (1.202)	111	1111641			13.44- 73.44	43.44
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.389 (1.210)	146	3260343	50.0000	49.298	80.00- 120.00	100.00
17.389	17.389 (1.210)	148	2056914			33.09- 93.09	63.09
17.389	17.389 (1.210)	111	1378008			12.27- 72.27	42.27
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.528	17.528 (1.219)	91	3605834	50.0000	51.715	80.00- 120.00	100.00
17.555	17.555 (1.221)	126	730842			0.00- 50.27	20.27
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	2660325	50.0000	47.391	80.00- 120.00	100.00
17.749	17.749 (1.235)	148	1695960			33.75- 93.75	63.75
17.749	17.749 (1.235)	111	1261364			17.41- 77.41	47.41
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.131	19.131 (1.331)	180	2173416	50.0000	47.772	80.00- 120.00	100.00
19.131	19.131 (1.331)	182	2077094			65.57- 125.57	95.57
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	1399942	50.0000	46.501	80.00- 120.00	100.00
19.214	19.214 (1.337)	223	869921			32.14- 92.14	62.14
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	4908363	50.0000	47.058	80.00- 120.00	100.00
19.325	19.325 (1.344)	127	605702			0.00- 42.34	12.34

Report Date: 05-Aug-2008 08:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080412.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	292500	0.00
88 1,4-Difluorobenze	1202703	721622	1683784	1202703	0.00
125 Chlorobenzene-d5	1079897	647938	1511856	1079897	0.00

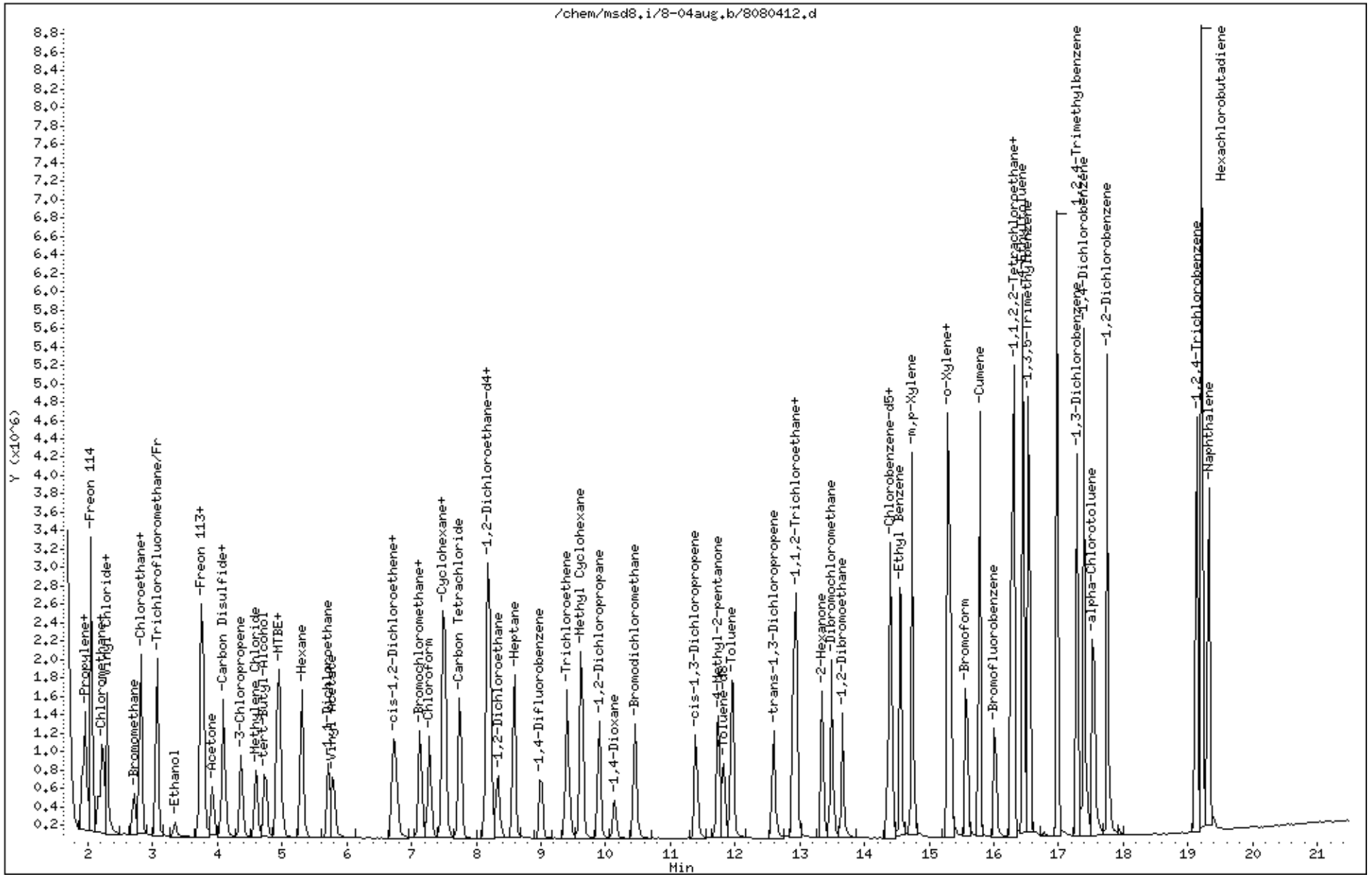
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Data File: /chem/msd8.i/8-04aug.b/8080412.d
Date : 05-AUG-2008 01:39
Client ID: Level 5
Sample Info: 50mL #1612-92

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080413.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 05-AUG-2008 02:07
Operator : smd Inst ID: msd8.i
Smp Info : 100mL #1612-92
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:47 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 02:07 Cal File: 8080413.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.132	7.132 (1.000)	130	290969	25.0000		70.00- 130.00	100.00
	7.132	7.132 (1.000)	128	230603			47.98- 107.98	79.25
	7.132	7.132 (1.000)	49	406063			106.00- 166.00	139.56
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1229886	25.0000		70.00- 130.00	100.00
	8.984	8.984 (1.000)	88	198583			0.00- 46.07	16.15
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1097164	25.0000		70.00- 130.00	100.00
	14.376	14.376 (1.000)	82	591715			0.00- 30.00	53.93
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.210	8.210 (1.151)	65	459203	25.0000	26.561	70.00- 130.00	100.00
	8.210	8.210 (1.151)	67	293470			0.00- 30.00	63.91
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1261025	25.0000	25.244	70.00- 130.00	100.00
	11.832	11.832 (1.313)	70	132925			0.00- 30.00	10.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	880559			0.00- 30.00	69.83
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	578058	25.0000	24.884	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	880557			118.42- 178.42	152.33
16.035	16.035 (1.115)	176	561969			67.67- 127.67	97.22
3 Propylene					CAS #: 115-07-1		
1.906	1.906 (0.267)	41	1174447	100.000	89.434	70.00- 130.00	100.00
1.906	1.906 (0.267)	42	786186			0.00- 30.00	66.94
1.906	1.906 (0.267)	39	865560			0.00- 30.00	73.70
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.961 (0.275)	85	4572396	100.000	99.963	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	1461993			0.00- 30.00	31.97
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.290)	135	3182844	100.000	97.228	70.00- 130.00	100.00
2.072	2.072 (0.290)	137	1014266			1.42- 61.42	31.87
8 Chloromethane					CAS #: 74-87-3		
2.155	2.155 (0.302)	50	1425596	100.000	102.05	70.00- 130.00	100.00
2.155	2.155 (0.302)	52	444215			0.00- 30.00	31.16
9 Butane					CAS #: 106-97-8		
2.238	2.238 (0.314)	58	364145	100.000	91.714	70.00- 130.00	100.00
2.238	2.238 (0.314)	43	2445764			0.00- 30.00	671.65
11 Vinyl Chloride					CAS #: 75-01-4		
2.293	2.293 (0.322)	62	1745624	100.000	97.302	70.00- 130.00	100.00
2.293	2.293 (0.322)	64	550406			0.00- 30.00	31.53
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.293 (0.322)	54	1343294	100.000	100.18	70.00- 130.00	100.00
2.293	2.293 (0.322)	39	983581			0.00- 30.00	73.22
13 Bromomethane					CAS #: 74-83-9		
2.708	2.708 (0.380)	94	1291046	100.000	98.374	70.00- 130.00	100.00
2.708	2.708 (0.380)	96	1239884			66.53- 126.53	96.04
16 Chloroethane					CAS #: 75-00-3		
2.818	2.818 (0.395)	64	901865	100.000	101.74	70.00- 130.00	100.00
2.791	2.791 (0.391)	49	235450			0.00- 30.00	26.11
2.818	2.818 (0.395)	66	277885			0.00- 30.00	30.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	2078272	100.000	96.266	70.00- 130.00	100.00
2.818	2.818 (0.395)	57	1497645			0.00- 30.00	72.06
2.818	2.818 (0.395)	72	185471			0.00- 30.00	8.92
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	4842423	100.000	100.22	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	3141276			34.28- 94.28	64.87
23 Ethanol					CAS #: 64-17-5		
3.344	3.344 (0.469)	45	572199	100.000	94.134	70.00- 130.00	100.00
3.344	3.344 (0.469)	43	120524			0.00- 30.00	21.06
3.344	3.344 (0.469)	46	231503			0.00- 30.00	40.46
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	2634096	100.000	95.427	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	1664182			34.49- 94.49	63.18
3.758	3.758 (0.527)	101	3235814			92.46- 152.46	122.84
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	2707981	100.000	95.810	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	1598346			29.64- 89.64	59.02
3.786	3.786 (0.531)	98	1024202			7.66- 67.66	37.82
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	804381	100.000	99.746	70.00- 130.00	100.00
3.924	3.924 (0.550)	43	2657925			0.00- 30.00	330.43
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	4697532	100.000	101.36	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.090	4.090 (0.574)	45	3032866	100.000	103.41	70.00- 130.00	100.00
4.090	4.090 (0.574)	43	652716			0.00- 30.00	21.52
4.090	4.090 (0.574)	59	116858			0.00- 30.00	3.85
37 3-Chloropropene					CAS #: 107-05-1		
4.367	4.367 (0.612)	76	813888	100.000	103.12	70.00- 130.00	100.00
4.367	4.367 (0.612)	41	2232463			0.00- 30.00	274.30
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	3113188	100.000	97.598	70.00- 130.00	100.00
4.726	4.726 (0.663)	41	668733			0.00- 30.00	21.48
4.726	4.726 (0.663)	57	334306			0.00- 30.00	10.74
40 Methylene Chloride					CAS #: 75-09-2		
4.616	4.616 (0.647)	49	1825246	100.000	94.706	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.616	4.616 (0.647)	84	1380514			46.03- 106.03	75.63
4.616	4.616 (0.647)	51	539362			0.00- 30.00	29.55
43 MTBE					CAS #: 1634-04-4		
4.920	4.920 (0.690)	73	4855300	100.000	96.575	70.00- 130.00	100.00
4.920	4.920 (0.690)	57	1096406			0.00- 52.36	22.58
4.920	4.920 (0.690)	41	1042095			0.00- 30.00	21.46
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	1833525	100.000	99.160	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	2651442			117.81- 177.81	144.61
4.975	4.975 (0.698)	98	1152586			0.00- 30.00	62.86
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	2877067	100.000	98.329	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	1736120			0.00- 30.00	60.34
5.307	5.307 (0.744)	86	534458			0.00- 30.00	18.58
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.722	5.722 (0.802)	63	3046930	100.000	98.005	70.00- 130.00	100.00
5.722	5.722 (0.802)	65	972216			1.12- 61.12	31.91
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	447039	100.000	93.806	70.00- 130.00	100.00
5.777	5.777 (0.810)	43	4398999			0.00- 30.00	984.03
5.777	5.777 (0.810)	42	392512			0.00- 30.00	87.80
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	2293876	100.000	100.21	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	1710329			44.78- 104.78	74.56
6.717	6.717 (0.942)	98	1092813			17.70- 77.70	47.64
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	843999	100.000	88.766	70.00- 130.00	100.00
6.772	6.772 (0.950)	43	3295326			352.72- 412.72	390.44
6.772	6.772 (0.950)	57	274572			0.00- 30.00	32.53
67 Tetrahydrofuran					CAS #: 109-99-9		
7.132	7.132 (1.000)	42	1925465	100.000	83.076	70.00- 130.00	100.00
7.132	7.132 (1.000)	71	749169			7.84- 67.84	38.91
7.132	7.132 (1.000)	72	798169			0.00- 30.00	41.45
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	3287113	100.000	98.273	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	2111333			34.57- 94.57	64.23

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	2498024	100.000	95.053	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	2893034			86.25- 146.25	115.81
7.491	7.491 (1.050)	41	1559516			33.52- 93.52	62.43
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	3785358	100.000	98.313	70.00- 130.00	100.00
7.519	7.519 (1.054)	99	2427929			34.20- 94.20	64.14
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	3678673	100.000	100.93	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	3796901			73.55- 133.55	103.21
81 Benzene					CAS #: 71-43-2		
8.155	8.155 (0.905)	78	4964413	100.000	91.862	70.00- 130.00	100.00
8.155	8.155 (0.905)	77	1148176			0.00- 30.00	23.13
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.210	8.210 (1.151)	57	8988554	100.000	99.113	70.00- 130.00	100.00
8.210	8.210 (1.151)	56	2850543			0.00- 30.00	31.71
8.210	8.210 (1.151)	41	2285455			0.00- 30.00	25.43
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	2387491	100.000	93.155	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	776794			0.00- 30.00	32.54
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	626549	100.000	89.623	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	3083871			0.00- 30.00	492.20
8.597	8.597 (0.954)	71	1833246			0.00- 30.00	292.59
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	2211944	100.000	96.843	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	2264326			74.03- 134.03	102.37
9.399	9.399 (1.043)	97	1411651			33.83- 93.83	63.82
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	3353023	100.000	95.899	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	1661679			0.00- 30.00	49.56
9.620	9.620 (1.349)	55	2704752			0.00- 30.00	80.67
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.897	9.897 (1.098)	63	1824085	100.000	96.314	70.00- 130.00	100.00
9.897	9.897 (1.098)	62	1264176			40.79- 100.79	69.30
9.897	9.897 (1.098)	41	1057091			29.63- 89.63	57.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	1284688	100.000	96.289	70.00- 130.00	100.00
10.145	10.145 (1.126)	58	876305			40.70- 100.70	68.21
10.118	10.118 (1.123)	57	283350			0.00- 30.00	22.06
100 Bromodichloromethane					CAS #: 75-27-4		
10.450	10.450 (1.160)	83	3391132	100.000	96.732	70.00- 130.00	100.00
10.450	10.450 (1.160)	85	2170293			33.28- 93.28	64.00
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.390	11.390 (1.264)	75	2764300	100.000	93.080	70.00- 130.00	100.00
11.390	11.390 (1.264)	77	874137			1.43- 61.43	31.62
11.390	11.390 (1.264)	39	1370016			19.82- 79.82	49.56
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	1620730	100.000	91.542	70.00- 130.00	100.00
11.721	11.721 (1.301)	43	3964346			0.00- 30.00	244.60
11.749	11.749 (1.304)	85	730996			0.00- 30.00	45.10
105 Toluene					CAS #: 108-88-3		
11.943	11.943 (1.325)	91	6107198	100.000	95.978	70.00- 130.00	100.00
11.943	11.943 (1.325)	92	3662625			30.55- 90.55	59.97
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	2861302	100.000	92.522	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	911697			1.82- 61.82	31.86
12.579	12.579 (0.875)	39	1346853			16.70- 76.70	47.07
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	2020845	100.000	92.410	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	1267519			31.05- 91.05	62.72
12.910	12.910 (0.898)	83	1664569			49.24- 109.24	82.37
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	2509309	100.000	95.134	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	2113040			53.94- 113.94	84.21
12.938	12.938 (0.900)	131	2005021			49.66- 109.66	79.90
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	2223343	100.000	96.449	70.00- 130.00	100.00
13.353	13.353 (0.929)	43	3922854			146.80- 206.80	176.44
13.353	13.353 (0.929)	100	514273			0.00- 30.00	23.13
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	3334236	100.000	99.230	70.00- 130.00	100.00
13.491	13.491 (0.938)	127	2572994			0.00- 30.00	77.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	3284239	100.000	96.752	70.00- 130.00	100.00
13.657	13.657 (0.950)	109	3061507			63.34- 123.34	93.22
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	5076639	100.000	96.500	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	1611381			1.67- 61.67	31.74
14.403	14.403 (1.002)	77	2929875			28.04- 88.04	57.71
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	2664926	100.000	97.760	70.00- 130.00	100.00
14.542	14.542 (1.012)	91	8599625			0.00- 30.00	322.70
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	3459900	100.000	99.597	70.00- 130.00	100.00
14.735	14.735 (1.025)	91	6942251			0.00- 30.00	200.65
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	3377710	100.000	99.952	70.00- 130.00	100.00
15.288	15.288 (1.063)	91	7171145			188.03- 248.03	212.31
134 Styrene					CAS #: 100-42-5		
15.316	15.316 (1.065)	104	5109179	100.000	99.949	70.00- 130.00	100.00
15.316	15.316 (1.065)	78	2603730			20.90- 80.90	50.96
135 Bromoform					CAS #: 75-25-2		
15.565	15.565 (1.083)	173	2802085	100.000	104.06	70.00- 130.00	100.00
15.565	15.565 (1.083)	171	1439418			20.98- 80.98	51.37
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	9601082	100.000	96.583	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	2651788			0.00- 30.00	27.62
15.786	15.786 (1.098)	51	828585			0.00- 30.00	8.63
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	4351967	100.000	95.821	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	2791563			34.03- 94.03	64.14
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	11627383	100.000	104.90	70.00- 130.00	100.00
16.311	16.311 (1.135)	120	2799827			0.00- 30.00	24.08
16.311	16.311 (1.135)	105	430440			0.00- 30.00	3.70
147 4-Ethyltoluene					CAS #: 622-96-8		
16.450	16.450 (1.144)	105	10840297	100.000	109.44	70.00- 130.00	100.00
16.450	16.450 (1.144)	120	3177296			0.00- 59.69	29.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	8396198	100.000	95.146	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	4201112			0.00- 30.00	50.04
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	9444129	100.000	102.81	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	4343567			15.91- 75.91	45.99
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	5201636	100.000	100.30	70.00- 130.00	100.00
17.279	17.279 (1.202)	148	3248164			0.00- 30.00	62.45
17.279	17.279 (1.202)	111	2254892			0.00- 30.00	43.35
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.390	17.390 (1.210)	146	6642997	100.000	98.865	70.00- 130.00	100.00
17.390	17.390 (1.210)	148	4143794			0.00- 30.00	62.38
17.390	17.390 (1.210)	111	2363227			0.00- 30.00	35.57
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.528	17.528 (1.219)	91	7530876	100.000	106.31	70.00- 130.00	100.00
17.555	17.555 (1.221)	126	1459153			0.00- 30.00	19.38
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	5524488	100.000	96.865	70.00- 130.00	100.00
17.749	17.749 (1.235)	148	3433527			33.75- 93.75	62.15
17.749	17.749 (1.235)	111	2498238			17.41- 77.41	45.22
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.132	19.132 (1.331)	180	4306372	100.000	93.165	70.00- 130.00	100.00
19.132	19.132 (1.331)	182	4132973			65.57- 125.57	95.97
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	2857191	100.000	93.411	70.00- 130.00	100.00
19.214	19.214 (1.337)	223	1816326			32.14- 92.14	63.57
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	9796237	100.000	92.441	70.00- 130.00	100.00
19.325	19.325 (1.344)	127	1168742			0.00- 30.00	11.93

Report Date: 05-Aug-2008 08:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080413.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

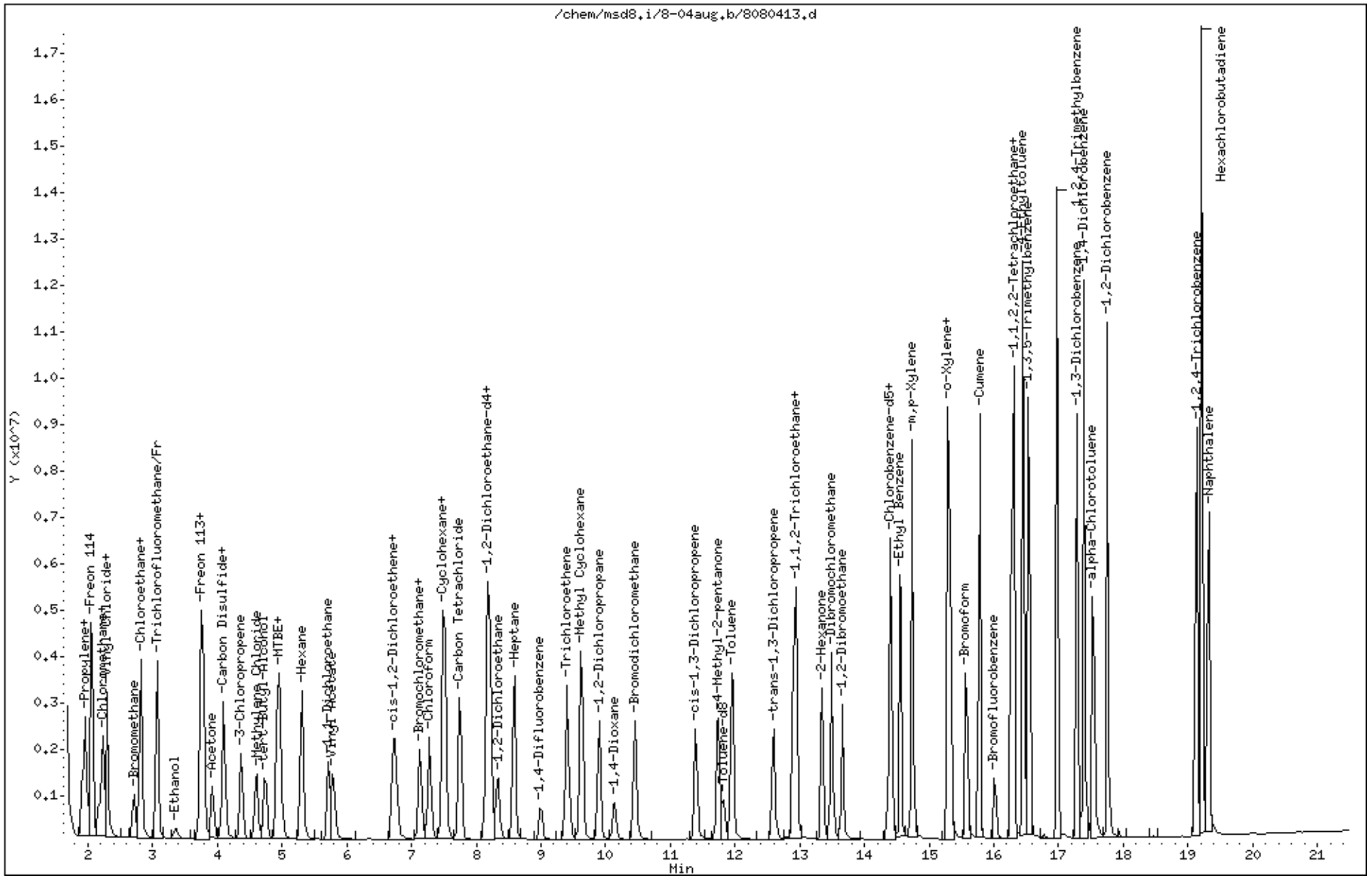
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	290969	-0.52
88 1,4-Difluorobenze	1202703	721622	1683784	1229886	2.26
125 Chlorobenzene-d5	1079897	647938	1511856	1097164	1.60

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

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

Data File: /chem/msd8.i/8-04aug.b/8080413.d
Date : 05-AUG-2008 02:07
Client ID: Level 6
Sample Info: 100mL #1612-92

Instrument: msd8.i
Operator: smd
Column phase: RTx-624
Column diameter: 0.53



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-06aug.b/8080607.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 06-AUG-2008 12:38
Operator : smd Inst ID: msd8.i
Smp Info : 200mL #1612-99
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd8.i/8-06aug.b/t14q804b.m
Meth Date : 06-Aug-2008 15:10 cleonard Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp36b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.132	7.132 (1.000)	130	283695	25.0000		70.00- 130.00	100.00
7.132	7.132 (1.000)	128	209654			47.62- 107.62	73.90
7.132	7.132 (1.000)	49	376153			105.46- 165.46	132.59
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
8.984	8.984 (1.000)	114	1164777	25.0000		70.00- 130.00	100.00
8.984	8.984 (1.000)	88	185545			0.00- 45.70	15.93
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	1003534	25.0000		70.00- 130.00	100.00
14.376	14.376 (1.000)	82	556061			0.00- 30.00	55.41
1 Freon 152a					CAS #: 75-37-6		
1.934	1.934 (0.271)	65	1881866	200.000	167.69	70.00- 130.00	100.00
1.961	1.961 (0.275)	51	8210578			0.00- 30.00	436.30
2 Freon 22					CAS #: 75-45-6		
1.961	1.961 (0.275)	67	810092	200.000	163.10	70.00- 130.00	100.00
1.961	1.961 (0.275)	51	8210578			0.00- 30.00	1013.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
5 Freon134a					CAS #: 811-97-2		
1.851	1.851 (0.259)	83	3183334	200.000	158.34	70.00- 130.00	100.00
1.851	1.851 (0.259)	69	10741430			0.00- 30.00	337.43
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.067	3.067 (0.430)	67	5191442	200.000	171.38	70.00- 130.00	100.00
3.067	3.067 (0.430)	69	1645095			0.00- 30.00	31.69
3.205	3.205 (0.449)	35	6412			0.00- 30.00	0.12
20 Freon123a					CAS #: 354-23-4		
3.537	3.537 (0.496)	67	3676264	200.000	174.91	70.00- 130.00	100.00
3.537	3.537 (0.496)	117	2757445			0.00- 30.00	75.01
21 Freon123					CAS #: 306-83-2		
3.620	3.620 (0.508)	83	4892871	200.000	169.70	70.00- 130.00	100.00
3.620	3.620 (0.508)	133	1038780			0.00- 30.00	21.23
3.620	3.620 (0.508)	85	3392350			0.00- 30.00	69.33
27 Freon142b					CAS #: 75-68-3		
2.127	2.127 (0.298)	65	6237252	200.000	166.41	70.00- 130.00	100.00
2.127	2.127 (0.298)	45	1399793			0.00- 30.00	22.44
32 Freon143a					CAS #: 420-46-2		
1.823	1.823 (0.256)	65	1171185	200.000	157.97	70.00- 130.00	100.00
1.851	1.851 (0.259)	69	10741430			0.00- 30.00	917.14
49 Isopropyl ether					CAS #: 108-20-3		
5.721	5.721 (0.802)	45	10450546	200.000	170.38	70.00- 130.00	100.00
5.721	5.721 (0.802)	87	2932466			0.00- 30.00	28.06
5.721	5.721 (0.802)	59	1178772			0.00- 30.00	11.28
52 1-Propanol					CAS #: 71-23-8		
5.915	5.915 (0.829)	42	489632	200.000	168.28	70.00- 130.00	100.00
5.915	5.915 (0.829)	59	611529			0.00- 30.00	124.90
5.915	5.915 (0.829)	41	338423			0.00- 30.00	69.12
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.330	6.330 (0.888)	59	9101126	200.000	163.03	70.00- 130.00	100.00
6.330	6.330 (0.888)	87	3858022			0.00- 30.00	42.39
6.330	6.330 (0.888)	41	1568123			0.00- 30.00	17.23
61 Ethyl Acetate					CAS #: 141-78-6		
6.827	6.827 (0.957)	70	779998	200.000	162.60	70.00- 130.00	100.00
6.827	6.827 (0.957)	45	988908			0.00- 30.00	126.78
6.827	6.827 (0.957)	61	982220			0.00- 30.00	125.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
78 Isobutanol					CAS #: 78-83-1		
8.155	8.155 (0.908)	43	2642951	200.000	183.93	70.00- 130.00	100.00
8.155	8.155 (0.908)	41	1867650			0.00- 30.00	70.67
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.376	8.376 (1.174)	73	8058111	200.000	162.31	70.00- 130.00	100.00
8.376	8.376 (1.174)	87	2033092			0.00- 30.00	25.23
8.376	8.376 (1.174)	55	2122818			0.00- 30.00	26.34
89 1-Butanol					CAS #: 71-36-3		
9.454	9.454 (1.052)	56	2649589	200.000	173.65	70.00- 130.00	100.00
9.427	9.427 (1.049)	41	1711257			0.00- 30.00	64.59
9.427	9.427 (1.049)	43	1378787			0.00- 30.00	52.04
113 Butyl Acetate					CAS #: 123-86-4		
13.546	13.546 (1.508)	56	3710521	200.000	192.91	70.00- 130.00	100.00
13.546	13.546 (1.508)	73	1390741			0.00- 30.00	37.48
13.546	13.546 (1.508)	43	8076680			0.00- 30.00	217.67
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.726	16.726 (1.163)	57	10423691	200.000	196.35	70.00- 130.00	100.00
16.754	16.754 (1.165)	85	8946663			56.48- 116.48	85.83
133 2-Heptanone					CAS #: 110-43-0		
15.537	15.537 (1.081)	58	5607139	200.000	211.16	70.00- 130.00	100.00(A)
15.537	15.537 (1.081)	43	8403737			0.00- 30.00	149.88
136 Cyclohexanone					CAS #: 108-94-1		
15.952	15.952 (1.110)	55	4211369	200.000	187.06	70.00- 130.00	100.00
15.952	15.952 (1.110)	98	2064016			0.00- 30.00	49.01
15.952	15.952 (1.110)	42	2775779			0.00- 30.00	65.91
36 Cyclopentene					CAS #: 142-29-0		
4.422	4.422 (0.620)	67	7193783	200.000	170.09	70.00- 130.00	100.00
4.422	4.422 (0.620)	68	2780222			0.00- 30.00	38.65
4.394	4.394 (0.616)	53	1373764			0.00- 30.00	19.10
60 2,2-Dichloropropane					CAS #: 594-20-7		
6.662	6.662 (0.934)	77	5847362	200.000	175.34	70.00- 130.00	100.00
6.662	6.662 (0.934)	79	1861588			1.92- 61.92	31.84
6.662	6.662 (0.934)	97	1139240			0.00- 30.00	19.48
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.823	7.823 (1.097)	110	1652276	200.000	170.48	70.00- 130.00	100.00
7.795	7.795 (1.093)	75	4510795			0.00- 30.00	273.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.187	13.187 (1.468)	76	5302351	200.000	169.04	70.00- 130.00	100.00
13.187	13.187 (1.468)	41	3253764			32.54- 92.54	61.36
13.187	13.187 (1.468)	78	1664327			0.00- 30.00	31.39
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.569	14.569 (1.013)	131	4384481	200.000	176.47	70.00- 130.00	100.00
14.569	14.569 (1.013)	117	2906733			0.00- 30.00	66.30
14.569	14.569 (1.013)	95	1655225			0.00- 30.00	37.75
139 Bromobenzene					CAS #: 108-86-1		
16.173	16.173 (1.125)	156	5337251	200.000	170.07	70.00- 130.00	100.00
16.173	16.173 (1.125)	77	8494020			122.09- 182.09	159.15
16.173	16.173 (1.125)	158	5165634			0.00- 30.00	96.78
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.311	16.311 (1.135)	110	2617676	200.000	170.77	70.00- 130.00	100.00
16.311	16.311 (1.135)	61	1684564			0.00- 30.00	64.35
16.311	16.311 (1.135)	112	1662299			0.00- 30.00	63.50
143 2-Chlorotoluene					CAS #: 95-49-8		
16.422	16.422 (1.142)	126	4490236	200.000	176.60	70.00- 130.00	100.00
16.422	16.422 (1.142)	91	13505592			259.64- 319.64	300.78
16.422	16.422 (1.142)	65	1120408			0.00- 30.00	24.95
146 4-Chlorotoluene					CAS #: 106-43-4		
16.560	16.560 (1.152)	126	4096336	200.000	176.15	70.00- 130.00	100.00
16.560	16.560 (1.152)	91	12833015			308.92- 368.92	313.28
16.560	16.560 (1.152)	63	1539663			0.00- 30.00	37.59
150 tert-Butylbenzene					CAS #: 98-06-6		
16.920	16.920 (1.177)	119	18616869	200.000	177.84	70.00- 130.00	100.00
16.920	16.920 (1.177)	134	3958277			0.00- 51.99	21.26
16.892	16.892 (1.175)	91	9288691			0.00- 30.00	49.89
151 Pentachloroethane					CAS #: 76-01-7		
16.947	16.947 (1.179)	167	3902973	200.000	192.01	70.00- 130.00	100.00
16.947	16.947 (1.179)	117	4762209			0.00- 30.00	122.01
152 sec-Butylbenzene					CAS #: 135-98-8		
17.141	17.141 (1.192)	105	20015199	200.000	170.75	70.00- 130.00	100.00
17.141	17.141 (1.192)	134	4034112			0.00- 48.83	20.16
17.141	17.141 (1.192)	91	3364520			0.00- 30.00	16.81
154 p-Cymene					CAS #: 99-87-6		
17.307	17.307 (1.204)	134	5228316	200.000	185.51	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
154 p-Cymene (continued)							
17.307	17.307 (1.204)	119	16126536			401.22- 461.22	308.45
17.307	17.307 (1.204)	91	5262082			0.00- 30.00	100.65
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.417	17.417 (1.212)	120	6949857	200.000	182.51	70.00- 130.00	100.00
17.417	17.417 (1.212)	105	15400039			206.70- 266.70	221.59
17.417	17.417 (1.212)	77	1927633			0.00- 30.00	27.74
159 Butylbenzene					CAS #: 104-51-8		
17.721	17.721 (1.233)	134	5393395	200.000	192.62	70.00- 130.00	100.00
17.721	17.721 (1.233)	91	16248073			298.26- 358.26	301.26
17.721	17.721 (1.233)	92	9702455			0.00- 30.00	179.90
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.468	18.468 (1.285)	157	5070242	200.000	190.41	70.00- 130.00	100.00
18.468	18.468 (1.285)	75	5663029			79.13- 139.13	111.69
18.468	18.468 (1.285)	155	3979700			0.00- 30.00	78.49

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080607.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-06aug.b/t14q804b.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 06-AUG-2008
Calibration Time: 12:07
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	281124	168674	393574	283695	0.91
88 1,4-Difluorobenze	1158007	694804	1621210	1164777	0.58
125 Chlorobenzene-d5	1023146	613888	1432404	1003534	-1.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	8.98	-0.30
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

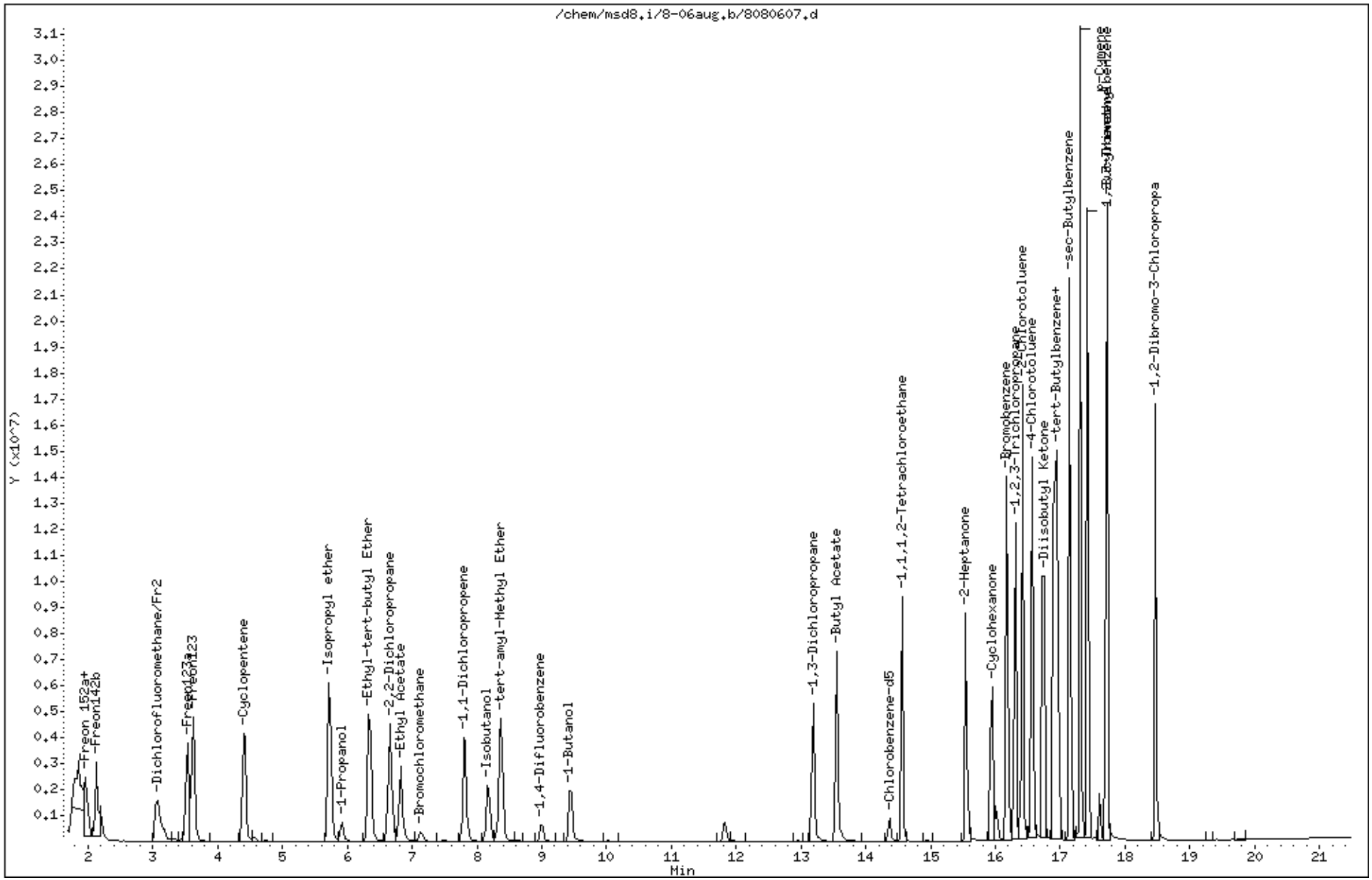
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0167

Data File: /chem/msd8.i/8-06aug.b/8080607.d
Date : 06-AUG-2008 12:38
Client ID: Level 7
Sample Info: 200mL #1612-99

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04aug.b/8080414.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 05-AUG-2008 02:37
Operator : smd Inst ID: msd8.i
Smp Info : 200mL #1612-92
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd8.i/8-04aug.b/t14q804a.m
Meth Date : 05-Aug-2008 08:47 sdisher Quant Type: ISTD
Cal Date : 05-AUG-2008 02:37 Cal File: 8080414.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.132	7.132 (1.000)	130	306380	25.0000		70.00- 130.00	100.00
	7.132	7.132 (1.000)	128	231825			47.98- 107.98	75.67
	7.132	7.132 (1.000)	49	414492			106.00- 166.00	135.29
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1227396	25.0000		70.00- 130.00	100.00
	8.984	8.984 (1.000)	88	194753			0.00- 46.07	15.87
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1106224	25.0000		70.00- 130.00	100.00
	14.376	14.376 (1.000)	82	610848			0.00- 30.00	55.22
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.210	8.210 (1.151)	65	482804	25.0000	26.521	70.00- 130.00	100.00
	8.210	8.210 (1.151)	67	371163			0.00- 30.00	76.88
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1263004	25.0000	25.334	70.00- 130.00	100.00
	11.832	11.832 (1.313)	70	136034			0.00- 30.00	10.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	1006395			0.00- 30.00	79.68
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.035	16.035 (1.115)	174	595026	25.0000	25.404	70.00- 130.00	100.00
16.007	16.007 (1.113)	95	921571			118.42- 178.42	154.88
16.035	16.035 (1.115)	176	576261			67.67- 127.67	96.85
3 Propylene						CAS #: 115-07-1	
1.906	1.906 (0.267)	41	2297679	200.000	166.17	70.00- 130.00	100.00
1.906	1.906 (0.267)	42	1544646			0.00- 30.00	67.23
1.906	1.906 (0.267)	39	1693111			0.00- 30.00	73.69
4 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
1.961	1.961 (0.275)	85	8831907	200.000	183.37	70.00- 130.00	100.00
1.961	1.961 (0.275)	87	2803069			0.00- 30.00	31.74
6 Freon 114						CAS #: 76-14-2	
2.072	2.072 (0.290)	135	6441719	200.000	186.88	70.00- 130.00	100.00
2.072	2.072 (0.290)	137	2021066			1.42- 61.42	31.37
8 Chloromethane						CAS #: 74-87-3	
2.155	2.155 (0.302)	50	2751391	200.000	187.05	70.00- 130.00	100.00
2.155	2.155 (0.302)	52	854862			0.00- 30.00	31.07
9 Butane						CAS #: 106-97-8	
2.238	2.238 (0.314)	58	744878	200.000	178.17	70.00- 130.00	100.00
2.238	2.238 (0.314)	43	5016054			0.00- 30.00	673.41
11 Vinyl Chloride						CAS #: 75-01-4	
2.293	2.293 (0.322)	62	3375804	200.000	178.70	70.00- 130.00	100.00
2.293	2.293 (0.322)	64	1079834			0.00- 30.00	31.99
10 1,3-Butadiene						CAS #: 106-99-0	
2.293	2.293 (0.322)	54	2582187	200.000	182.90	70.00- 130.00	100.00
2.293	2.293 (0.322)	39	2103479			0.00- 30.00	81.46
13 Bromomethane						CAS #: 74-83-9	
2.708	2.708 (0.380)	94	2578094	200.000	186.56	70.00- 130.00	100.00
2.708	2.708 (0.380)	96	2448425			66.53- 126.53	94.97
16 Chloroethane						CAS #: 75-00-3	
2.818	2.818 (0.395)	64	1818277	200.000	194.81	70.00- 130.00	100.00
2.818	2.818 (0.395)	49	476730			0.00- 30.00	26.22
2.818	2.818 (0.395)	66	556745			0.00- 30.00	30.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.818	2.818 (0.395)	43	4026064	200.000	177.11	70.00- 130.00	100.00
2.818	2.818 (0.395)	57	2928556			0.00- 30.00	72.74
2.818	2.818 (0.395)	72	354738			0.00- 30.00	8.81
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.067 (0.430)	101	9548182	200.000	187.67	70.00- 130.00	100.00
3.067	3.067 (0.430)	103	6139058			34.28- 94.28	64.30
23 Ethanol					CAS #: 64-17-5		
3.371	3.371 (0.473)	45	1037127	200.000	162.04	70.00- 130.00	100.00
3.371	3.371 (0.473)	43	211766			0.00- 30.00	20.42
3.371	3.371 (0.473)	46	432529			0.00- 30.00	41.70
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	5130590	200.000	176.52	70.00- 130.00	100.00
3.758	3.758 (0.527)	153	3256477			34.49- 94.49	63.47
3.758	3.758 (0.527)	101	6327862			92.46- 152.46	123.34
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.786 (0.531)	61	5359854	200.000	180.10	70.00- 130.00	100.00
3.786	3.786 (0.531)	96	3169782			29.64- 89.64	59.14
3.786	3.786 (0.531)	98	2012936			7.66- 67.66	37.56
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	1613540	200.000	190.02	70.00- 130.00	100.00
3.924	3.924 (0.550)	43	5318850			0.00- 30.00	329.64
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.090 (0.574)	76	9386948	200.000	192.36	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.090	4.090 (0.574)	45	5932829	200.000	192.12	70.00- 130.00	100.00
4.090	4.090 (0.574)	43	1278035			0.00- 30.00	21.54
4.090	4.090 (0.574)	59	239911			0.00- 30.00	4.04
37 3-Chloropropene					CAS #: 107-05-1		
4.367	4.367 (0.612)	76	1630538	200.000	196.19	70.00- 130.00	100.00
4.367	4.367 (0.612)	41	4454914			0.00- 30.00	273.22
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.726 (0.663)	59	5282279	200.000	157.27	70.00- 130.00	100.00
4.726	4.726 (0.663)	41	1122825			0.00- 30.00	21.26
4.726	4.726 (0.663)	57	560677			0.00- 30.00	10.61
40 Methylene Chloride					CAS #: 75-09-2		
4.615	4.615 (0.647)	49	3570965	200.000	175.96	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.615	4.615 (0.647)	84	2735259			46.03- 106.03	76.60
4.615	4.615 (0.647)	51	1113198			0.00- 30.00	31.17
43 MTBE					CAS #: 1634-04-4		
4.920	4.920 (0.690)	73	9317504	200.000	176.01	70.00- 130.00	100.00
4.920	4.920 (0.690)	57	2097565			0.00- 52.36	22.51
4.920	4.920 (0.690)	41	1974680			0.00- 30.00	21.19
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	3635864	200.000	186.74	70.00- 130.00	100.00
4.975	4.975 (0.698)	61	5265771			117.81- 177.81	144.83
4.975	4.975 (0.698)	98	2303521			0.00- 30.00	63.36
46 Hexane					CAS #: 110-54-3		
5.307	5.307 (0.744)	57	5728485	200.000	185.93	70.00- 130.00	100.00
5.307	5.307 (0.744)	43	3455471			0.00- 30.00	60.32
5.307	5.307 (0.744)	86	1062465			0.00- 30.00	18.55
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.721 (0.802)	63	6086488	200.000	185.92	70.00- 130.00	100.00
5.721	5.721 (0.802)	65	1906517			1.12- 61.12	31.32
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	918536	200.000	183.05	70.00- 130.00	100.00
5.777	5.777 (0.810)	43	8889014			0.00- 30.00	967.74
5.777	5.777 (0.810)	42	772316			0.00- 30.00	84.08
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	4576336	200.000	189.87	70.00- 130.00	100.00
6.717	6.717 (0.942)	96	3395617			44.78- 104.78	74.20
6.717	6.717 (0.942)	98	2162814			17.70- 77.70	47.26
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	1690184	200.000	168.82	70.00- 130.00	100.00
6.744	6.744 (0.946)	43	6623662			352.72- 412.72	391.89
6.744	6.744 (0.946)	57	544435			0.00- 30.00	32.21
67 Tetrahydrofuran					CAS #: 109-99-9		
7.132	7.132 (1.000)	42	3871639	200.000	158.64	70.00- 130.00	100.00
7.132	7.132 (1.000)	71	1488919			7.84- 67.84	38.46
7.132	7.132 (1.000)	72	1595544			0.00- 30.00	41.21
70 Chloroform					CAS #: 67-66-3		
7.270	7.270 (1.019)	83	6517111	200.000	185.04	70.00- 130.00	100.00
7.270	7.270 (1.019)	85	4236895			34.57- 94.57	65.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	4934394	200.000	178.32	70.00- 130.00	100.00
7.491	7.491 (1.050)	56	5746361			86.25- 146.25	116.46
7.491	7.491 (1.050)	41	3051213			33.52- 93.52	61.84
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	7542827	200.000	186.05	70.00- 130.00	100.00
7.519	7.519 (1.054)	99	4824477			34.20- 94.20	63.96
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.740 (1.085)	119	7369863	200.000	192.03	70.00- 130.00	100.00
7.740	7.740 (1.085)	117	7664443			73.55- 133.55	104.00
81 Benzene					CAS #: 71-43-2		
8.155	8.155 (0.905)	78	10082173	200.000	186.94	70.00- 130.00	100.00
8.155	8.155 (0.905)	77	2298675			0.00- 30.00	22.80
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.210	8.210 (1.151)	57	18330749	200.000	191.96	70.00- 130.00	100.00
8.210	8.210 (1.151)	56	5772064			0.00- 30.00	31.49
8.210	8.210 (1.151)	41	4575804			0.00- 30.00	24.96
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	4745662	200.000	185.54	70.00- 130.00	100.00
8.348	8.348 (0.926)	64	1544336			0.00- 30.00	32.54
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	1242433	200.000	178.08	70.00- 130.00	100.00
8.597	8.597 (0.954)	43	6224126			0.00- 30.00	500.96
8.597	8.597 (0.954)	71	3707372			0.00- 30.00	298.40
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	4371158	200.000	191.77	70.00- 130.00	100.00
9.399	9.399 (1.043)	130	4521224			74.03- 134.03	103.43
9.399	9.399 (1.043)	97	2826449			33.83- 93.83	64.66
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.620 (1.349)	83	6669495	200.000	181.16	70.00- 130.00	100.00
9.620	9.620 (1.349)	98	3333400			0.00- 30.00	49.98
9.620	9.620 (1.349)	55	5401435			0.00- 30.00	80.99
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.896 (1.098)	63	3630668	200.000	192.09	70.00- 130.00	100.00
9.896	9.896 (1.098)	62	2550128			40.79- 100.79	70.24
9.896	9.896 (1.098)	41	2101583			29.63- 89.63	57.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	2579383	200.000	193.72	70.00- 130.00	100.00
10.118	10.118 (1.123)	58	1779835			40.70- 100.70	69.00
10.118	10.118 (1.123)	57	578662			0.00- 30.00	22.43
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.449 (1.160)	83	6801736	200.000	194.41	70.00- 130.00	100.00
10.449	10.449 (1.160)	85	4343184			33.28- 93.28	63.85
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.390	11.390 (1.264)	75	5514290	200.000	186.05	70.00- 130.00	100.00
11.390	11.390 (1.264)	77	1709290			1.43- 61.43	31.00
11.390	11.390 (1.264)	39	2711877			19.82- 79.82	49.18
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	3244257	200.000	183.61	70.00- 130.00	100.00
11.721	11.721 (1.301)	43	7923755			0.00- 30.00	244.24
11.749	11.749 (1.304)	85	1456403			0.00- 30.00	44.89
105 Toluene					CAS #: 108-88-3		
11.943	11.943 (1.325)	91	12314961	200.000	193.93	70.00- 130.00	100.00
11.943	11.943 (1.325)	92	7378236			30.55- 90.55	59.91
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	5742832	200.000	184.18	70.00- 130.00	100.00
12.606	12.606 (0.877)	77	1815866			1.82- 61.82	31.62
12.578	12.578 (0.875)	39	2639403			16.70- 76.70	45.96
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	4062552	200.000	184.25	70.00- 130.00	100.00
12.910	12.910 (0.898)	99	2497719			31.05- 91.05	61.48
12.910	12.910 (0.898)	83	3276314			49.24- 109.24	80.65
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.938 (0.900)	166	5055858	200.000	190.11	70.00- 130.00	100.00
12.938	12.938 (0.900)	129	4209646			53.94- 113.94	83.26
12.938	12.938 (0.900)	131	4020296			49.66- 109.66	79.52
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	4498985	200.000	193.57	70.00- 130.00	100.00
13.353	13.353 (0.929)	43	7877812			146.80- 206.80	175.10
13.353	13.353 (0.929)	100	1039706			0.00- 30.00	23.11
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	6894307	200.000	203.50	70.00- 130.00	100.00(A)
13.491	13.491 (0.938)	127	5284585			0.00- 30.00	76.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	6531861	200.000	190.85	70.00- 130.00	100.00
13.657	13.657 (0.950)	109	6012373			63.34- 123.34	92.05
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	10221802	200.000	192.71	70.00- 130.00	100.00
14.403	14.403 (1.002)	114	3208870			1.67- 61.67	31.39
14.403	14.403 (1.002)	77	5847910			28.04- 88.04	57.21
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	5388093	200.000	196.04	70.00- 130.00	100.00
14.542	14.542 (1.012)	91	17192054			0.00- 30.00	319.07
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	7105254	200.000	202.86	70.00- 130.00	100.00(A)
14.735	14.735 (1.025)	91	14466864			0.00- 30.00	203.61
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	6738108	200.000	197.76	70.00- 130.00	100.00
15.288	15.288 (1.063)	91	14533769			188.03- 248.03	215.70
134 Styrene					CAS #: 100-42-5		
15.316	15.316 (1.065)	104	10589677	200.000	205.46	70.00- 130.00	100.00(A)
15.316	15.316 (1.065)	78	5301004			20.90- 80.90	50.06
135 Bromoform					CAS #: 75-25-2		
15.565	15.565 (1.083)	173	5902828	200.000	217.42	70.00- 130.00	100.00(A)
15.565	15.565 (1.083)	171	3018557			20.98- 80.98	51.14
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	19304553	200.000	192.60	70.00- 130.00	100.00
15.786	15.786 (1.098)	120	5444835			0.00- 30.00	28.20
15.786	15.786 (1.098)	51	1665808			0.00- 30.00	8.63
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	8909007	200.000	194.55	70.00- 130.00	100.00
16.256	16.256 (1.131)	85	5665707			34.03- 94.03	63.60
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	19446532	200.000	174.01	70.00- 130.00	100.00
16.311	16.311 (1.135)	120	5785314			0.00- 30.00	29.75
16.311	16.311 (1.135)	105	835288			0.00- 30.00	4.30
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.449 (1.144)	105	18085696	200.000	181.08	70.00- 130.00	100.00
16.449	16.449 (1.144)	120	6545128			0.00- 59.69	36.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	17213518	200.000	193.47	70.00- 130.00	100.00
16.532	16.532 (1.150)	120	8551333			0.00- 30.00	49.68
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	15709336	200.000	169.61	70.00- 130.00	100.00
16.975	16.975 (1.181)	120	8594349			15.91- 75.91	54.71
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	10487247	200.000	200.56	70.00- 130.00	100.00(A)
17.279	17.279 (1.202)	148	6678521			0.00- 30.00	63.68
17.279	17.279 (1.202)	111	4650860			0.00- 30.00	44.35
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.389 (1.210)	146	12642931	200.000	186.62	70.00- 130.00	100.00
17.389	17.389 (1.210)	148	7677437			0.00- 30.00	60.73
17.389	17.389 (1.210)	111	5032942			0.00- 30.00	39.81
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.528	17.528 (1.219)	91	15513280	200.000	217.20	70.00- 130.00	100.00(A)
17.555	17.555 (1.221)	126	3085229			0.00- 30.00	19.89
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	10894973	200.000	189.46	70.00- 130.00	100.00
17.749	17.749 (1.235)	148	6799233			33.75- 93.75	62.41
17.749	17.749 (1.235)	111	5119607			17.41- 77.41	46.99
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.131	19.131 (1.331)	180	8910741	200.000	191.20	70.00- 130.00	100.00
19.131	19.131 (1.331)	182	8569737			65.57- 125.57	96.17
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	5634252	200.000	182.69	70.00- 130.00	100.00
19.214	19.214 (1.337)	223	3561843			32.14- 92.14	63.22
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	19594520	200.000	183.39	70.00- 130.00	100.00
19.325	19.325 (1.344)	127	2458969			0.00- 30.00	12.55

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8080414.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd8.i/8-04aug.b/t14q804a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 05-AUG-2008
Calibration Time: 01:39
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	292500	175500	409500	306380	4.75
88 1,4-Difluorobenze	1202703	721622	1683784	1227396	2.05
125 Chlorobenzene-d5	1079897	647938	1511856	1106224	2.44

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.13	6.80	7.46	7.13	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

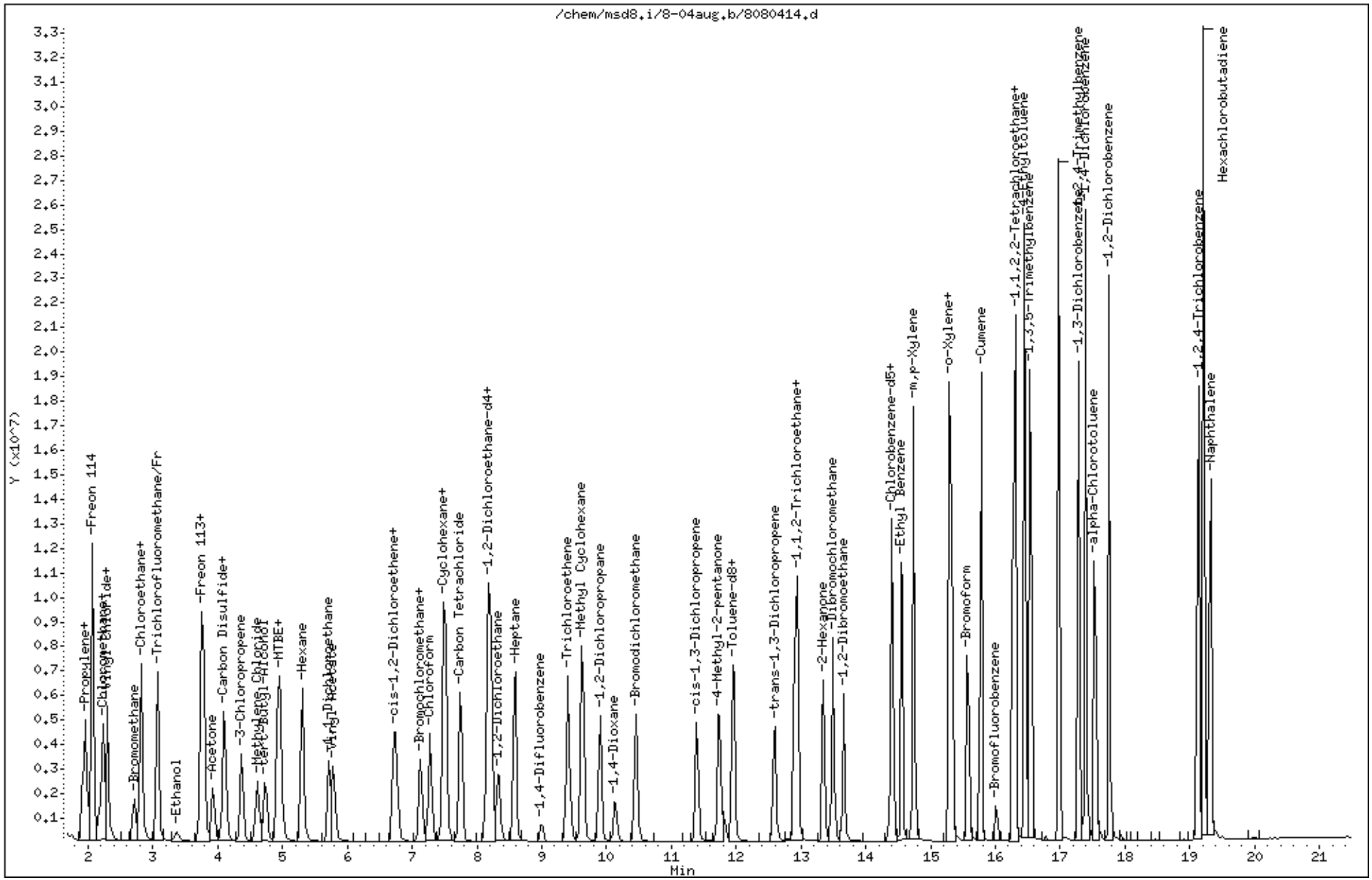
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd8.i/8-04aug.b/8080414.d
Date : 05-AUG-2008 02:37
Client ID: Level 7
Sample Info: 200mL #1612-92

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

Column phase: RTx-624

0177



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0808157-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 10:07 AM**	

Compound	%Recovery
Freon 12	90
Freon 114	100
Vinyl Chloride	100
Bromomethane	91
Chloroethane	106
Freon 11	90
1,1-Dichloroethene	90
Freon 113	96
Methylene Chloride	95
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	97
Chloroform	91
1,1,1-Trichloroethane	86
Carbon Tetrachloride	91
Benzene	98
1,2-Dichloroethane	86
Trichloroethene	100
1,2-Dichloropropane	94
cis-1,3-Dichloropropene	82
Toluene	86
trans-1,3-Dichloropropene	87
1,1,2-Trichloroethane	91
Tetrachloroethene	100
1,2-Dibromoethane (EDB)	92
Chlorobenzene	93
Ethyl Benzene	92
m,p-Xylene	91
o-Xylene	94
Styrene	88
1,1,2,2-Tetrachloroethane	88
1,3,5-Trimethylbenzene	90
1,2,4-Trimethylbenzene	96
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	97
1,3-Butadiene	98
Hexane	101
Cyclohexane	91

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0808157-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 10:07 AM**	

Compound	%Recovery
Heptane	95
Bromodichloromethane	93
Dibromochloromethane	100
Cumene	95
Propylbenzene	101
Chloromethane	109
1,2,4-Trichlorobenzene	107
Hexachlorobutadiene	106
Acetone	101
Carbon Disulfide	101
2-Propanol	92
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	82
Tetrahydrofuran	81
1,4-Dioxane	87
4-Methyl-2-pentanone	73
2-Hexanone	81
Bromoform	107
4-Ethyltoluene	101
Ethanol	98
Methyl tert-butyl ether	85
3-Chloropropene	98
2,2,4-Trimethylpentane	94
Naphthalene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 15-AUG-2008 10:07
Lab File ID: 8081502.d Init. Cal. Date(s): 04-AUG-2008 06-AUG-2008
Analysis Type: AIR Init. Cal. Times: 23:47 12:38
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-15aug.b/t14q804b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 82 1,2-Dichloroethane-d4	1.48544	1.30458	0.010	12.17586	30.00000	Averaged
$ 104 Toluene-d8	1.01543	0.91885	0.010	9.51096	30.00000	Averaged
$ 140 Bromofluorobenzene	0.52933	0.53591	0.010	-1.24320	30.00000	Averaged
3 Propylene	1.12830	1.08138	0.010	4.15923	30.00000	Averaged
4 Dichlorodifluoromethane/Fr1	3.93006	3.54553	0.010	9.78427	30.00000	Averaged
6 Freon 114	2.81266	2.80460	0.010	0.28654	30.00000	Averaged
8 Chloromethane	1.20026	1.30749	0.010	-8.93392	30.00000	Averaged
11 Vinyl Chloride	1.54143	1.54632	0.010	-0.31701	30.00000	Averaged
10 1,3-Butadiene	1.15203	1.12987	0.010	1.92412	30.00000	Averaged
13 Bromomethane	1.12760	1.02403	0.010	9.18447	30.00000	Averaged
16 Chloroethane	0.76160	0.81020	0.010	-6.38167	30.00000	Averaged
18 Trichlorofluoromethane/Fr11	4.15141	3.75908	0.010	9.45055	30.00000	Averaged
23 Ethanol	0.52227	0.51405	0.010	1.57381	30.00000	Averaged
28 Freon 113	2.37168	2.27420	0.010	4.11019	30.00000	Averaged
29 1,1-Dichloroethene	2.42846	2.19872	0.010	9.46035	30.00000	Averaged
30 Acetone	0.69288	0.70071	0.010	-1.13031	30.00000	Averaged
34 2-Propanol	2.51981	2.32093	0.010	7.89296	30.00000	Averaged
33 Carbon Disulfide	3.98186	4.01420	0.010	-0.81213	30.00000	Averaged
37 3-Chloropropene	0.67815	0.66751	0.010	1.56925	30.00000	Averaged
40 Methylene Chloride	1.65591	1.57362	0.010	4.96954	30.00000	Averaged
43 MTBE	4.31960	3.69116	0.010	14.54859	30.00000	Averaged
45 trans-1,2-Dichloroethene	1.58871	1.61595	0.010	-1.71478	30.00000	Averaged
46 Hexane	2.51397	2.54239	0.010	-1.13054	30.00000	Averaged
54 1,1-Dichloroethane	2.67121	2.55093	0.010	4.50279	30.00000	Averaged
55 Vinyl Acetate	0.40945	0.34254	0.010	16.34213	30.00000	Averaged
65 2-Butanone	0.81693	0.67022	0.010	17.95871	30.00000	Averaged
64 cis-1,2-Dichloroethene	1.96673	1.90290	0.010	3.24543	30.00000	Averaged
67 Tetrahydrofuran	1.99139	1.61727	0.010	18.78679	30.00000	Averaged
70 Chloroform	2.87390	2.60625	0.010	9.31317	30.00000	Averaged
75 1,1,1-Trichloroethane	3.30819	2.86155	0.010	13.50110	30.00000	Averaged
73 Cyclohexane	2.25800	2.06503	0.010	8.54627	30.00000	Averaged
77 Carbon Tetrachloride	3.13162	2.84312	0.010	9.21246	30.00000	Averaged
80 2,2,4-Trimethylpentane	7.79203	7.29406	0.010	6.39068	30.00000	Averaged
81 Benzene	1.09851	1.07178	0.010	2.43387	30.00000	Averaged
83 1,2-Dichloroethane	0.52097	0.44965	0.010	13.68845	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 15-AUG-2008 10:07
Lab File ID: 8081502.d Init. Cal. Date(s): 04-AUG-2008 06-AUG-2008
Analysis Type: AIR Init. Cal. Times: 23:47 12:38
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-15aug.b/t14q804b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
85 Heptane	0.14211	0.13478	0.010	5.15833	30.00000	Averaged
94 Trichloroethene	0.46428	0.46364	0.010	0.13871	30.00000	Averaged
97 1,2-Dichloropropane	0.38497	0.36072	0.010	6.30036	30.00000	Averaged
98 1,4-Dioxane	0.27120	0.23694	0.010	12.63405	30.00000	Averaged
100 Bromodichloromethane	0.71261	0.66342	0.010	6.90263	30.00000	Averaged
102 cis-1,3-Dichloropropene	0.60368	0.49202	0.010	18.49569	30.00000	Averaged
103 4-Methyl-2-pentanone	0.35989	0.26132	0.010	27.38795	30.00000	Averaged
105 Toluene	1.29344	1.10693	0.010	14.41960	30.00000	Averaged
108 trans-1,3-Dichloropropene	0.70467	0.61179	0.010	13.18075	30.00000	Averaged
110 1,1,2-Trichloroethane	0.49829	0.45192	0.010	9.30540	30.00000	Averaged
112 Tetrachloroethene	0.60102	0.60087	0.010	0.02537	30.00000	Averaged
114 2-Hexanone	0.52526	0.42427	0.010	19.22692	30.00000	Averaged
116 Dibromochloromethane	0.76563	0.76987	0.010	-0.55374	30.00000	Averaged
117 1,2-Dibromoethane	0.77347	0.71447	0.010	7.62757	30.00000	Averaged
126 Chlorobenzene	1.19872	1.11639	0.010	6.86841	30.00000	Averaged
129 Ethyl Benzene	0.62114	0.57009	0.010	8.21990	30.00000	Averaged
130 m,p-Xylene	0.79156	0.71902	0.010	9.16409	30.00000	Averaged
132 o-Xylene	0.77002	0.72544	0.010	5.78881	30.00000	Averaged
134 Styrene	1.16477	1.02724	0.010	11.80762	30.00000	Averaged
135 Bromoform	0.61357	0.65615	0.010	-6.93978	30.00000	Averaged
144 1,1,2,2-Tetrachloroethane	1.03489	0.91057	0.010	12.01243	30.00000	Averaged
147 4-Ethyltoluene	2.25708	2.28475	0.010	-1.22600	30.00000	Averaged
148 1,3,5-Trimethylbenzene	2.01076	1.81302	0.010	9.83390	30.00000	Averaged
153 1,2,4-Trimethylbenzene	2.09312	1.99924	0.010	4.48555	30.00000	Averaged
156 1,3-Dichlorobenzene	1.18171	1.17386	0.010	0.66435	30.00000	Averaged
157 1,4-Dichlorobenzene	1.53106	1.49742	0.010	2.19692	30.00000	Averaged
158 alpha-Chlorotoluene	1.61417	1.44830	0.010	10.27583	30.00000	Averaged
161 1,2-Dichlorobenzene	1.29956	1.25895	0.010	3.12445	30.00000	Averaged
167 1,2,4-Trichlorobenzene	1.05324	1.12389	0.010	-6.70800	30.00000	Averaged
168 Hexachlorobutadiene	0.69696	0.74152	0.010	-6.39296	30.00000	Averaged
145 Propylbenzene	2.52559	2.54488	0.010	-0.76377	30.00000	Averaged
137 Cumene	2.26511	2.15443	0.010	4.88639	30.00000	Averaged
169 Naphthalene	2.41470	2.36415	0.010	2.09328	30.00000	Averaged
38 tert-Butyl-Alcohol	2.74066	2.23125	0.010	18.58707	40.00000	Averaged
9 Butane	0.34114	0.33391	0.010	2.12077	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 15-AUG-2008 10:07
Lab File ID: 8081502.d Init. Cal. Date(s): 04-AUG-2008 06-AUG-2008
Analysis Type: AIR Init. Cal. Times: 23:47 12:38
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd8.i/8-15aug.b/t14q804b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
15 Isopentane	1.85492	1.89089	0.010	-1.93919	30.00000	Averaged
95 Methyl Cyclohexane	3.00412	2.52609	0.010	15.91233	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-15aug.b/8081502.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 15-AUG-2008 10:07
Operator : ct Inst ID: msd8.i
Smp Info : 50mL #1541-210
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.159	7.159 (1.000)	130	322567	25.0000		80.00- 120.00	100.00
	7.159	7.159 (1.000)	128	258395			50.11- 110.11	80.11
	7.132	7.132 (1.000)	49	424626			101.64- 161.64	131.64
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.012	9.012 (1.000)	114	1230926	25.0000		80.00- 120.00	100.00
	9.012	9.012 (1.000)	88	188787			0.00- 45.34	15.34
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.376	14.376 (1.000)	117	1019312	25.0000		80.00- 120.00	100.00
	14.376	14.376 (1.000)	82	525559			0.00- 30.00	51.56
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.210	8.210 (1.147)	65	420813	25.0000	21.956	80.00- 120.00	100.00
	8.210	8.210 (1.147)	67	247230			0.00- 30.00	58.75
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.832	11.832 (1.313)	98	1131036	25.0000	22.622	80.00- 120.00	100.00
	11.832	11.832 (1.313)	70	110253			0.00- 30.00	9.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	810498			0.00- 30.00	71.66
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	546262	25.0000	25.311	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	777510			112.33- 172.33	142.33
16.035	16.035 (1.115)	176	506781			62.77- 122.77	92.77
3 Propylene					CAS #: 115-07-1		
1.934	1.934 (0.270)	41	697632	50.0000	47.920	80.00- 120.00	100.00
1.934	1.934 (0.270)	42	456931			0.00- 30.00	65.50
1.934	1.934 (0.270)	39	480252			0.00- 30.00	68.84
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.278)	85	2287344	50.0000	45.108	80.00- 120.00	100.00
1.989	1.989 (0.278)	87	745464			0.00- 30.00	32.59
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.289)	135	1809341	50.0000	49.857	80.00- 120.00	100.00
2.072	2.072 (0.289)	137	558882			0.89- 60.89	30.89
8 Chloromethane					CAS #: 74-87-3		
2.182	2.182 (0.305)	50	843505	50.0000	54.467	80.00- 120.00	100.00
2.182	2.182 (0.305)	52	257067			0.00- 30.00	30.48
11 Vinyl Chloride					CAS #: 75-01-4		
2.321	2.321 (0.324)	62	997581	50.0000	50.158	80.00- 120.00	100.00
2.321	2.321 (0.324)	64	317409			0.00- 30.00	31.82
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.324)	54	728915	50.0000	49.038	80.00- 120.00	100.00
2.321	2.321 (0.324)	39	583451			0.00- 30.00	80.04
13 Bromomethane					CAS #: 74-83-9		
2.735	2.735 (0.382)	94	660639	50.0000	45.408	80.00- 120.00	100.00
2.735	2.735 (0.382)	96	626083			64.77- 124.77	94.77
16 Chloroethane					CAS #: 75-00-3		
2.818	2.818 (0.394)	64	522690	50.0000	53.191	80.00- 120.00	100.00
2.818	2.818 (0.394)	49	131187			0.00- 30.00	25.10
2.818	2.818 (0.394)	66	166513			0.00- 30.00	31.86
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.432)	101	2425109	50.0000	45.275	80.00- 120.00	100.00
3.095	3.095 (0.432)	103	1556876			34.20- 94.20	64.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.371	3.371 (0.471)	45	331632	50.0000	49.213	80.00- 120.00	100.00
3.371	3.371 (0.471)	43	70862			0.00- 30.00	21.37
3.371	3.371 (0.471)	46	139618			0.00- 30.00	42.10
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.525)	151	1467161	50.0000	47.945	80.00- 120.00	100.00
3.758	3.758 (0.525)	153	934365			33.69- 93.69	63.69
3.758	3.758 (0.525)	101	1766900			90.43- 150.43	120.43
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.814	3.814 (0.533)	61	1418466	50.0000	45.270	80.00- 120.00	100.00
3.814	3.814 (0.533)	96	889944			32.74- 92.74	62.74
3.814	3.814 (0.533)	98	576223			10.62- 70.62	40.62
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.548)	58	452053	50.0000	50.565	80.00- 120.00	100.00
3.924	3.924 (0.548)	43	1348373			0.00- 30.00	298.28
34 2-Propanol					CAS #: 67-63-0		
4.118	4.118 (0.575)	45	1497308	50.0000	46.054	80.00- 120.00	100.00
4.118	4.118 (0.575)	43	326177			0.00- 30.00	21.78
4.118	4.118 (0.575)	59	62315			0.00- 30.00	4.16
33 Carbon Disulfide					CAS #: 75-15-0		
4.118	4.118 (0.575)	76	2589694	50.0000	50.406	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.394	4.394 (0.614)	76	430634	50.0000	49.215	80.00- 120.00	100.00
4.367	4.367 (0.610)	41	1196594			0.00- 30.00	277.87
40 Methylene Chloride					CAS #: 75-09-2		
4.616	4.616 (0.645)	49	1015196	50.0000	47.515	80.00- 120.00	100.00
4.616	4.616 (0.645)	84	774976			46.34- 106.34	76.34
4.616	4.616 (0.645)	51	304762			0.00- 30.00	30.02
43 MTBE					CAS #: 1634-04-4		
4.947	4.947 (0.691)	73	2381290	50.0000	42.726	80.00- 120.00	100.00
4.947	4.947 (0.691)	57	566878			0.00- 53.81	23.81
4.947	4.947 (0.691)	41	538562			0.00- 30.00	22.62
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.695)	96	1042507	50.0000	50.857	80.00- 120.00	100.00
4.975	4.975 (0.695)	61	1446088			108.71- 168.71	138.71
4.975	4.975 (0.695)	98	653529			0.00- 30.00	62.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.334	5.334 (0.745)	57	1640183	50.0000	50.565	80.00- 120.00	100.00
5.334	5.334 (0.745)	43	996365			0.00- 30.00	60.75
5.334	5.334 (0.745)	86	288765			0.00- 30.00	17.61
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.722	5.722 (0.799)	63	1645694	50.0000	47.749	80.00- 120.00	100.00
5.722	5.722 (0.799)	65	534363			2.47- 62.47	32.47
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.811)	86	220985	50.0000	41.829	80.00- 120.00	100.00
5.804	5.804 (0.811)	43	2197474			0.00- 30.00	994.40
5.804	5.804 (0.811)	42	177273			0.00- 30.00	80.22
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.946)	72	432383	50.0000	41.021	80.00- 120.00	100.00
6.772	6.772 (0.946)	43	1702174			363.67- 423.67	393.67
6.772	6.772 (0.946)	57	140126			0.00- 30.00	32.41
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.938)	61	1227626	50.0000	48.377	80.00- 120.00	100.00
6.745	6.745 (0.942)	96	957742			48.02- 108.02	78.02
6.745	6.745 (0.942)	98	612295			19.88- 79.88	49.88
67 Tetrahydrofuran					CAS #: 109-99-9		
7.132	7.132 (0.996)	42	1043356	50.0000	40.607	80.00- 120.00	100.00
7.132	7.132 (0.996)	71	397999			8.15- 68.15	38.15
7.132	7.132 (0.996)	72	433478			0.00- 30.00	41.55
70 Chloroform					CAS #: 67-66-3		
7.298	7.298 (1.019)	83	1681381	50.0000	45.343	80.00- 120.00	100.00
7.298	7.298 (1.019)	85	1094828			35.11- 95.11	65.11
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.050)	97	1846081	50.0000	43.249	80.00- 120.00	100.00
7.519	7.519 (1.050)	99	1186087			34.25- 94.25	64.25
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.046)	84	1332220	50.0000	45.727	80.00- 120.00	100.00
7.491	7.491 (1.046)	56	1554675			86.70- 146.70	116.70
7.491	7.491 (1.046)	41	781638			28.67- 88.67	58.67
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.768	7.768 (1.085)	119	1834196	50.0000	45.394	80.00- 120.00	100.00
7.768	7.768 (1.085)	117	1887388			72.90- 132.90	102.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.210	8.210 (1.147)	57	4705649	50.0000	46.805	80.00- 120.00	100.00
8.210	8.210 (1.147)	56	1498863			0.00- 30.00	31.85
8.210	8.210 (1.147)	41	1079530			0.00- 30.00	22.94
81 Benzene					CAS #: 71-43-2		
8.182	8.182 (0.908)	78	2638560	50.0000	48.783	80.00- 120.00	100.00
8.182	8.182 (0.908)	77	614820			0.00- 30.00	23.30
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	1106983	50.0000	43.156	80.00- 120.00	100.00
8.348	8.348 (0.926)	64	366406			0.00- 30.00	33.10
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	331798	50.0000	47.421	80.00- 120.00	100.00
8.597	8.597 (0.954)	43	1580109			0.00- 30.00	476.23
8.597	8.597 (0.954)	71	955731			0.00- 30.00	288.05
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	1141403	50.0000	49.931	80.00- 120.00	100.00
9.399	9.399 (1.043)	130	1208194			75.85- 135.85	105.85
9.399	9.399 (1.043)	97	715775			32.71- 92.71	62.71
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.897	9.897 (1.098)	63	888034	50.0000	46.850	80.00- 120.00	100.00
9.897	9.897 (1.098)	62	613700			39.11- 99.11	69.11
9.897	9.897 (1.098)	41	478565			23.89- 83.89	53.89
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	583313	50.0000	43.683	80.00- 120.00	100.00
10.145	10.145 (1.126)	58	383418			35.73- 95.73	65.73
10.145	10.145 (1.126)	57	123236			0.00- 30.00	21.13
100 Bromodichloromethane					CAS #: 75-27-4		
10.450	10.450 (1.160)	83	1633235	50.0000	46.549	80.00- 120.00	100.00
10.477	10.477 (1.163)	85	1027383			32.90- 92.90	62.90
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.390	11.390 (1.264)	75	1211290	50.0000	40.752	80.00- 120.00	100.00
11.390	11.390 (1.264)	77	380330			1.40- 61.40	31.40
11.390	11.390 (1.264)	39	588800			18.61- 78.61	48.61
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	643332	50.0000	36.306	80.00- 120.00	100.00
11.749	11.749 (1.304)	43	1585545			0.00- 30.00	246.46
11.749	11.749 (1.304)	85	306537			0.00- 30.00	47.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	2725108	50.0000	42.790	80.00- 120.00	100.00
11.970	11.970 (1.328)	92	1595264			28.54- 88.54	58.54
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	1247215	50.0000	43.410	80.00- 120.00	100.00
12.606	12.606 (0.877)	77	396525			1.79- 61.79	31.79
12.606	12.606 (0.877)	39	563969			15.22- 75.22	45.22
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	921294	50.0000	45.347	80.00- 120.00	100.00
12.910	12.910 (0.898)	99	575077			32.42- 92.42	62.42
12.910	12.910 (0.898)	83	748378			51.23- 111.23	81.23
112 Tetrachloroethene					CAS #: 127-18-4		
12.966	12.966 (0.902)	166	1224940	50.0000	49.987	80.00- 120.00	100.00
12.938	12.938 (0.900)	129	989583			50.79- 110.79	80.79
12.938	12.938 (0.900)	131	931399			46.04- 106.04	76.04
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	864928	50.0000	40.386	80.00- 120.00	100.00
13.353	13.353 (0.929)	43	1527226			146.57- 206.57	176.57
13.353	13.353 (0.929)	100	195697			0.00- 30.00	22.63
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	1569480	50.0000	50.277	80.00- 120.00	100.00
13.491	13.491 (0.938)	127	1192875			0.00- 30.00	76.00
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	1456537	50.0000	46.186	80.00- 120.00	100.00
13.657	13.657 (0.950)	109	1387108			65.23- 125.23	95.23
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	2275892	50.0000	46.566	80.00- 120.00	100.00
14.403	14.403 (1.002)	114	737168			2.39- 62.39	32.39
14.403	14.403 (1.002)	77	1271447			25.87- 85.87	55.87
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	1162190	50.0000	45.890	80.00- 120.00	100.00
14.569	14.569 (1.013)	91	3684152			0.00- 30.00	317.00
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	1465817	50.0000	45.418	80.00- 120.00	100.00
14.735	14.735 (1.025)	91	2964047			0.00- 30.00	202.21
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	1478902	50.0000	47.106	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)							
15.288	15.288 (1.063)	91	3160461			183.70- 243.70	213.70
134 Styrene					CAS #: 100-42-5		
15.344	15.344 (1.067)	104	2094160	50.0000	44.096	80.00- 120.00	100.00
15.316	15.316 (1.065)	78	1079931			21.57- 81.57	51.57
135 Bromoform					CAS #: 75-25-2		
15.592	15.592 (1.085)	173	1337641	50.0000	53.470	80.00- 120.00	100.00
15.592	15.592 (1.085)	171	692788			21.79- 81.79	51.79
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	1856318	50.0000	43.994	80.00- 120.00	100.00
16.256	16.256 (1.131)	85	1199531			34.62- 94.62	64.62
147 4-Ethyltoluene					CAS #: 622-96-8		
16.450	16.450 (1.144)	105	4657755	50.0000	50.613	80.00- 120.00	100.00
16.450	16.450 (1.144)	120	1398689			0.03- 60.03	30.03
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	3696074	50.0000	45.083	80.00- 120.00	100.00
16.532	16.532 (1.150)	120	1894733			0.00- 30.00	51.26
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	4075691	50.0000	47.757	80.00- 120.00	100.00
16.975	16.975 (1.181)	120	1903388			16.70- 76.70	46.70
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	2393051	50.0000	49.668	80.00- 120.00	100.00
17.279	17.279 (1.202)	148	1510083			0.00- 30.00	63.10
17.279	17.279 (1.202)	111	1050624			0.00- 30.00	43.90
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.390	17.390 (1.210)	146	3052677	50.0000	48.902	80.00- 120.00	100.00
17.390	17.390 (1.210)	148	1945547			0.00- 30.00	63.73
17.390	17.390 (1.210)	111	1206566			0.00- 30.00	39.52
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.555	17.555 (1.221)	91	2952534	50.0000	44.862	80.00- 120.00	100.00
17.555	17.555 (1.221)	126	641518			0.00- 30.00	21.73
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	2566529	50.0000	48.438	80.00- 120.00	100.00
17.749	17.749 (1.235)	148	1644097			34.06- 94.06	64.06
17.749	17.749 (1.235)	111	1157066			15.08- 75.08	45.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.132	19.132 (1.331)	180	2291198	50.0000	53.354	80.00- 120.00	100.00
19.132	19.132 (1.331)	182	2214656			66.66- 126.66	96.66
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	1511677	50.0000	53.196	80.00- 120.00	100.00
19.214	19.214 (1.337)	223	979503			34.80- 94.80	64.80
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	5188048	50.0000	50.382	80.00- 120.00	100.00
16.311	16.311 (1.135)	120	1285278			0.00- 30.00	24.77
16.311	16.311 (1.135)	105	191699			0.00- 30.00	3.70
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	4392068	50.0000	47.557	80.00- 120.00	100.00
15.786	15.786 (1.098)	120	1224061			0.00- 30.00	27.87
15.786	15.786 (1.098)	51	379849			0.00- 30.00	8.65
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	4819618	50.0000	48.953	80.00- 120.00	100.00
19.325	19.325 (1.344)	127	582680			0.00- 30.00	12.09
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.754	4.754 (0.664)	59	1439456	50.0000	40.706	80.00- 120.00	100.00
4.754	4.754 (0.664)	41	349722			0.00- 30.00	24.30
4.754	4.754 (0.664)	57	151141			0.00- 30.00	10.50
9 Butane					CAS #: 106-97-8		
2.238	2.238 (0.313)	58	215414	50.0000	48.940	80.00- 120.00	100.00
2.238	2.238 (0.313)	43	1480858			0.00- 30.00	687.45
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.398)	43	1219877	50.0000	50.970	80.00- 120.00	100.00
2.846	2.846 (0.398)	57	869379			0.00- 30.00	71.27
2.846	2.846 (0.398)	72	103720			0.00- 30.00	8.50
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.648	9.648 (1.348)	83	1629668	50.0000	42.044	80.00- 120.00	100.00
9.648	9.648 (1.348)	98	830696			0.00- 30.00	50.97
9.620	9.620 (1.344)	55	1277323			0.00- 30.00	78.38

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081502.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	322567	0.00
88 1,4-Difluorobenze	1230926	738556	1723296	1230926	0.00
125 Chlorobenzene-d5	1019312	611587	1427037	1019312	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.16	0.00
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

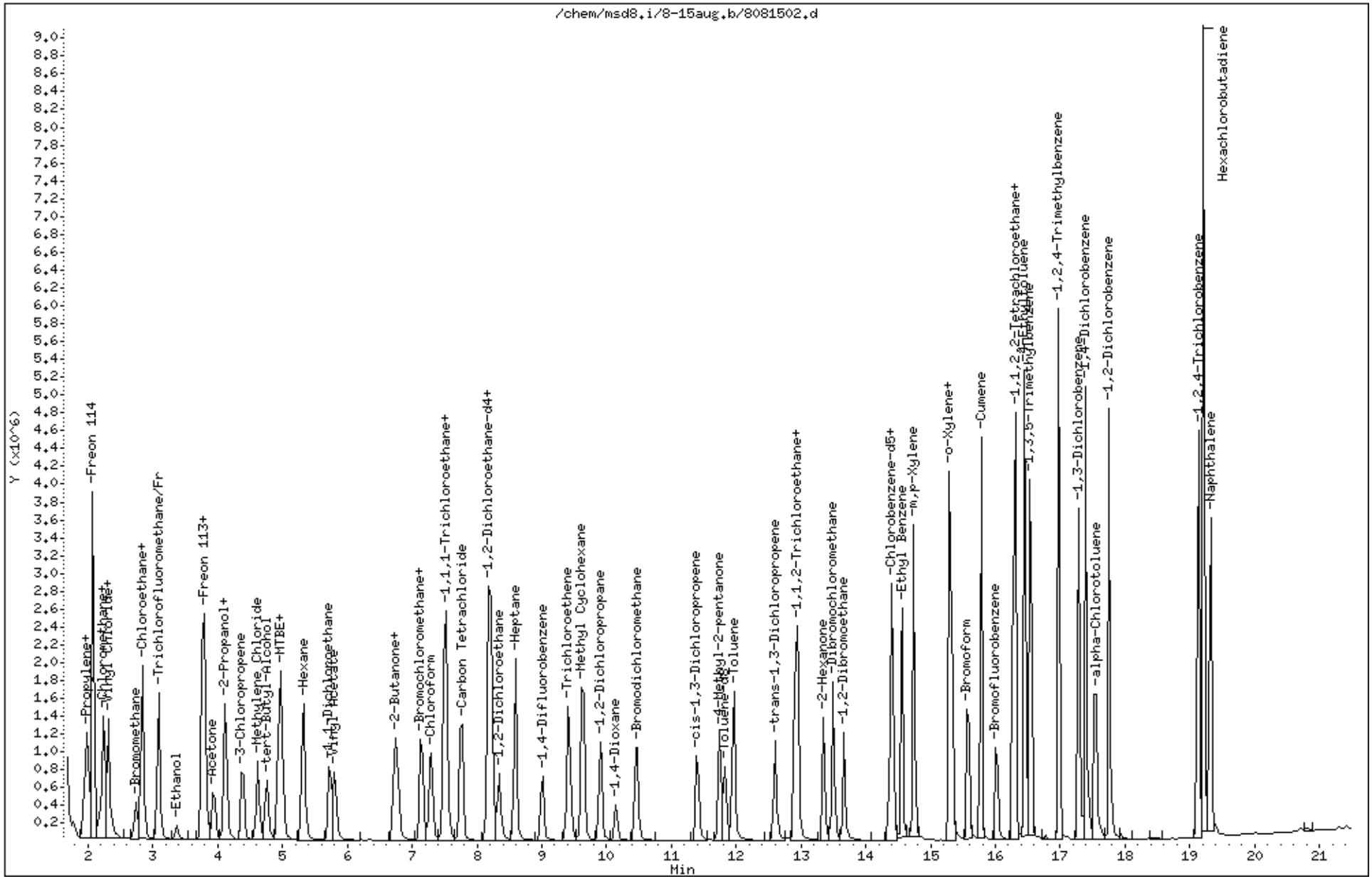
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0192

Data File: /chem/msd8.i/8-15aug.b/8081502.d
Date : 15-AUG-2008 10:07
Client ID: CCV-1
Sample Info: 50mL #1541-210

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0808157-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 10:35 AM**	

Compound	%Recovery
Freon 12	94
Freon 114	99
Vinyl Chloride	106
Bromomethane	89
Chloroethane	112
Freon 11	92
1,1-Dichloroethene	105
Freon 113	110
Methylene Chloride	108
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	103
Chloroform	98
1,1,1-Trichloroethane	93
Carbon Tetrachloride	95
Benzene	107
1,2-Dichloroethane	96
Trichloroethene	105
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	86
Toluene	96
trans-1,3-Dichloropropene	88
1,1,2-Trichloroethane	98
Tetrachloroethene	104
1,2-Dibromoethane (EDB)	97
Chlorobenzene	103
Ethyl Benzene	95
m,p-Xylene	98
o-Xylene	98
Styrene	91
1,1,2,2-Tetrachloroethane	99
1,3,5-Trimethylbenzene	95
1,2,4-Trimethylbenzene	99
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	106
1,3-Butadiene	100
Hexane	104
Cyclohexane	97

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0808157-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8081503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/15/08 10:35 AM**	

Compound	%Recovery
Heptane	97
Bromodichloromethane	98
Dibromochloromethane	108
Cumene	100
Propylbenzene	105
Chloromethane	116
1,2,4-Trichlorobenzene	120
Hexachlorobutadiene	116
Acetone	110
Carbon Disulfide	106
2-Propanol	93
trans-1,2-Dichloroethene	104
2-Butanone (Methyl Ethyl Ketone)	88
Tetrahydrofuran	82
1,4-Dioxane	96
4-Methyl-2-pentanone	75
2-Hexanone	77
Bromoform	109
4-Ethyltoluene	104
Ethanol	104
Methyl tert-butyl ether	89
3-Chloropropene	105
2,2,4-Trimethylpentane	97
Naphthalene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	99	70-130

Report Date: 15-Aug-2008 10:43

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-15aug
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: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 25ppbv (100ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	25.000	22.752	91.01	70-130
108 trans-1,3-Dichloro	25.000	21.904	87.62	70-130
3 Propylene	25.000	25.879	103.52	60-140
4 Dichlorodifluorome	25.000	23.463	93.85	70-130
6 Freon 114	25.000	24.654	98.62	70-130
8 Chloromethane	25.000	29.134	116.54	70-130
11 Vinyl Chloride	25.000	26.508	106.03	70-130
10 1,3-Butadiene	25.000	24.994	99.97	60-140
13 Bromomethane	25.000	22.354	89.41	70-130
16 Chloroethane	25.000	27.919	111.67	70-130
18 Trichlorofluoromet	25.000	23.046	92.18	70-130
23 Ethanol	25.000	25.932	103.73	60-140
28 Freon 113	25.000	27.495	109.98	70-130
29 1,1-Dichloroethene	25.000	26.271	105.08	70-130
30 Acetone	25.000	27.630	110.52	60-140
33 Carbon Disulfide	25.000	26.401	105.60	60-140
34 2-Propanol	25.000	23.316	93.26	60-140
40 Methylene Chloride	25.000	27.001	108.00	70-130
43 MTBE	25.000	22.244	88.98	60-140
45 trans-1,2-Dichloro	25.000	25.930	103.72	60-140
46 Hexane	25.000	26.143	104.57	60-140
54 1,1-Dichloroethane	25.000	26.453	105.81	70-130
55 Vinyl Acetate	25.000	22.356	89.42	60-140
64 cis-1,2-Dichloroet	25.000	25.694	102.78	70-130
65 2-Butanone	25.000	21.966	87.86	60-140
67 Tetrahydrofuran	25.000	20.466	81.87	60-140
70 Chloroform	25.000	24.635	98.54	70-130
73 Cyclohexane	25.000	24.332	97.33	60-140
75 1,1,1-Trichloroeth	25.000	23.176	92.70	70-130
77 Carbon Tetrachlori	25.000	23.862	95.45	70-130
81 Benzene	25.000	26.668	106.67	70-130
83 1,2-Dichloroethane	25.000	23.994	95.98	70-130
85 Heptane	25.000	24.315	97.26	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	25.000	26.357	105.43	70-130
97 1,2-Dichloropropan	25.000	24.903	99.61	70-130
98 1,4-Dioxane	25.000	23.948	95.79	60-140
100 Bromodichlorometha	25.000	24.542	98.17	60-140
102 cis-1,3-Dichloropr	25.000	21.565	86.26	70-130
103 4-Methyl-2-pentano	25.000	18.718	74.87	60-140
105 Toluene	25.000	24.137	96.55	70-130
110 1,1,2-Trichloroeth	25.000	24.407	97.63	70-130
112 Tetrachloroethene	25.000	25.892	103.57	70-130
114 2-Hexanone	25.000	19.227	76.91	60-140
116 Dibromochlorometha	25.000	26.906	107.62	60-140
117 1,2-Dibromoethane	25.000	24.363	97.45	70-130
126 Chlorobenzene	25.000	25.848	103.39	70-130
129 Ethyl Benzene	25.000	23.653	94.61	70-130
130 m,p-Xylene	25.000	24.413	97.65	70-130
132 o-Xylene	25.000	24.630	98.52	70-130
135 Bromoform	25.000	27.194	108.78	60-140
144 1,1,2,2-Tetrachlor	25.000	24.698	98.79	70-130
147 4-Ethyltoluene	25.000	26.116	104.47	60-140
148 1,3,5-Trimethylben	25.000	23.681	94.73	70-130
153 1,2,4-Trimethylben	25.000	24.696	98.79	70-130
156 1,3-Dichlorobenzen	25.000	26.570	106.28	70-130
157 1,4-Dichlorobenzen	25.000	26.874	107.50	70-130
158 alpha-Chlorotoluen	25.000	24.415	97.66	70-130
161 1,2-Dichlorobenzen	25.000	26.573	106.29	70-130
167 1,2,4-Trichloroben	25.000	29.950	119.80	70-130
168 Hexachlorobutadien	25.000	29.082	116.33	70-130
137 Cumene	25.000	24.940	99.76	60-140
145 Propylbenzene	25.000	26.323	105.29	60-140
37 3-Chloropropene	25.000	26.338	105.35	60-140
80 2,2,4-Trimethylpen	25.000	24.231	96.93	60-140
169 Naphthalene	25.000	25.856	103.42	60-140
9 Butane	25.000	25.328	101.31	70-130
15 Isopentane	25.000	25.942	103.77	70-130
95 Methyl Cyclohexane	25.000	22.232	88.93	70-130
38 tert-Butyl-Alcohol	25.000	21.199	84.80	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	21.342	85.37	70-130
$ 104 Toluene-d8	25.000	22.558	90.23	70-130
$ 140 Bromofluorobenzene	25.000	24.793	99.17	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-15aug.b/8081503.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 15-AUG-2008 10:35
Operator : ct Inst ID: msd8.i
Smp Info : 50mL #1612-75A
Misc Info : 25ppbv (100ppbv)
Comment :
Method : /var/chem/msd8.i/8-15aug.b/t14q804b.m
Meth Date : 15-Aug-2008 10:38 ctaylor Quant Type: ISTD
Cal Date : 06-AUG-2008 12:38 Cal File: 8080607.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 68 Bromochloromethane					CAS #: 74-97-5		
7.131	7.159 (1.000)	130	274901	25.0000		80.00- 120.00	100.00
7.131	7.159 (1.000)	128	211399			50.11- 110.11	76.90
7.131	7.132 (1.000)	49	356062			101.64- 161.64	129.52
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.012	9.012 (1.000)	114	1024477	25.0000		80.00- 120.00	100.00
8.984	9.012 (1.000)	88	156393			0.00- 45.34	15.27
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.376	14.376 (1.000)	117	859155	25.0000		80.00- 120.00	100.00
14.376	14.376 (1.000)	82	437748			0.00- 30.00	50.95
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.210	8.210 (1.151)	65	348597	21.3418	21.342	80.00- 120.00	100.00
8.182	8.210 (1.147)	67	191626			0.00- 30.00	54.97
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.832	11.832 (1.313)	98	938658	22.5578	22.558	80.00- 120.00	100.00
11.832	11.832 (1.313)	70	95286			0.00- 30.00	10.15

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.832	11.832 (1.313)	100	630780			0.00- 30.00	67.20
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.035	16.035 (1.115)	174	451017	24.7932	24.793	80.00- 120.00	100.00
16.007	16.007 (1.113)	95	653047			112.33- 172.33	144.79
16.035	16.035 (1.115)	176	441379			62.77- 122.77	97.86
3 Propylene					CAS #: 115-07-1		
1.906	1.934 (0.267)	41	321082	25.8794	25.879	80.00- 120.00	100.00
1.906	1.934 (0.267)	42	222367			0.00- 30.00	69.26
1.906	1.934 (0.267)	39	226941			0.00- 30.00	70.68
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.989 (0.275)	85	1013944	23.4627	23.463	80.00- 120.00	100.00
1.961	1.989 (0.275)	87	320326			0.00- 30.00	31.59
6 Freon 114					CAS #: 76-14-2		
2.044	2.072 (0.287)	135	762496	24.6538	24.654	80.00- 120.00	100.00
2.044	2.072 (0.287)	137	241092			0.89- 60.89	31.62
8 Chloromethane					CAS #: 74-87-3		
2.155	2.182 (0.302)	50	384516	29.1342	29.134	80.00- 120.00	100.00
2.155	2.182 (0.302)	52	119360			0.00- 30.00	31.04
11 Vinyl Chloride					CAS #: 75-01-4		
2.293	2.321 (0.322)	62	449304	26.5082	26.508	80.00- 120.00	100.00
2.293	2.321 (0.322)	64	139359			0.00- 30.00	31.02
10 1,3-Butadiene					CAS #: 106-99-0		
2.293	2.321 (0.322)	54	316613	24.9935	24.994	80.00- 120.00	100.00
2.293	2.321 (0.322)	39	234931			0.00- 30.00	74.20
13 Bromomethane					CAS #: 74-83-9		
2.708	2.735 (0.380)	94	277164	22.3535	22.354	80.00- 120.00	100.00
2.708	2.735 (0.380)	96	262065			64.77- 124.77	94.55
16 Chloroethane					CAS #: 75-00-3		
2.790	2.818 (0.391)	64	233807	27.9186	27.919	80.00- 120.00	100.00
2.790	2.818 (0.391)	49	58811			0.00- 30.00	25.15
2.790	2.818 (0.391)	66	75615			0.00- 30.00	32.34
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.067	3.095 (0.430)	101	1052010	23.0456	23.046	80.00- 120.00	100.00
3.067	3.095 (0.430)	103	690801			34.20- 94.20	65.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.343	3.371 (0.469)	45	148926	25.9321	25.932	80.00- 120.00	100.00
3.343	3.371 (0.469)	43	33770			0.00- 30.00	22.68
3.343	3.371 (0.469)	46	62283			0.00- 30.00	41.82
28 Freon 113					CAS #: 76-13-1		
3.758	3.758 (0.527)	151	717037	27.4948	27.495	80.00- 120.00	100.00
3.758	3.758 (0.527)	153	461837			33.69- 93.69	64.41
3.758	3.758 (0.527)	101	873056			90.43- 150.43	121.76
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.786	3.814 (0.531)	61	701516	26.2707	26.271	80.00- 120.00	100.00
3.786	3.814 (0.531)	96	432769			32.74- 92.74	61.69
3.786	3.814 (0.531)	98	282107			10.62- 70.62	40.21
30 Acetone					CAS #: 67-64-1		
3.924	3.924 (0.550)	58	210512	27.6301	27.630	80.00- 120.00	100.00
3.924	3.924 (0.550)	43	602254			0.00- 30.00	286.09
34 2-Propanol					CAS #: 67-63-0		
4.090	4.118 (0.574)	45	646042	23.3161	23.316	80.00- 120.00	100.00
4.090	4.118 (0.574)	43	153620			0.00- 30.00	23.78
4.118	4.118 (0.577)	59	26439			0.00- 30.00	4.09
33 Carbon Disulfide					CAS #: 75-15-0		
4.090	4.118 (0.574)	76	1155944	26.4007	26.401	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.366	4.394 (0.612)	76	196399	26.3375	26.338	80.00- 120.00	100.00
4.366	4.367 (0.612)	41	542386			0.00- 30.00	276.17
40 Methylene Chloride					CAS #: 75-09-2		
4.588	4.616 (0.643)	49	491640	27.0006	27.001	80.00- 120.00	100.00
4.588	4.616 (0.643)	84	379500			46.34- 106.34	77.19
4.588	4.616 (0.643)	51	145441			0.00- 30.00	29.58
43 MTBE					CAS #: 1634-04-4		
4.919	4.947 (0.690)	73	1056549	22.2439	22.244	80.00- 120.00	100.00
4.919	4.947 (0.690)	57	253445			0.00- 53.81	23.99
4.919	4.947 (0.690)	41	252946			0.00- 30.00	23.94
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
4.975	4.975 (0.698)	96	452988	25.9302	25.930	80.00- 120.00	100.00
4.975	4.975 (0.698)	61	638854			108.71- 168.71	141.03
4.975	4.975 (0.698)	98	294253			0.00- 30.00	64.96

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.307	5.334 (0.744)	57	722695	26.1432	26.143	80.00- 120.00	100.00
5.307	5.334 (0.744)	43	442184			0.00- 30.00	61.19
5.307	5.334 (0.744)	86	131343			0.00- 30.00	18.17
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.721	5.722 (0.802)	63	777010	26.4534	26.453	80.00- 120.00	100.00
5.721	5.722 (0.802)	65	244661			2.47- 62.47	31.49
55 Vinyl Acetate					CAS #: 108-05-4		
5.804	5.804 (0.814)	86	100656	22.3562	22.356	80.00- 120.00	100.00
5.804	5.804 (0.814)	43	966896			0.00- 30.00	960.59
5.804	5.804 (0.814)	42	79753			0.00- 30.00	79.23
65 2-Butanone					CAS #: 78-93-3		
6.772	6.772 (0.950)	72	197323	21.9662	21.966	80.00- 120.00	100.00
6.772	6.772 (0.950)	43	741992			363.67- 423.67	376.03
6.772	6.772 (0.950)	57	60721			0.00- 30.00	30.77
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.717	6.717 (0.942)	61	555660	25.6938	25.694	80.00- 120.00	100.00
6.717	6.745 (0.942)	96	427283			48.02- 108.02	76.90
6.717	6.745 (0.942)	98	279206			19.88- 79.88	50.25
67 Tetrahydrofuran					CAS #: 109-99-9		
7.131	7.132 (1.000)	42	448159	20.4663	20.466	80.00- 120.00	100.00
7.131	7.132 (1.000)	71	172620			8.15- 68.15	38.52
7.131	7.132 (1.000)	72	183769			0.00- 30.00	41.01
70 Chloroform					CAS #: 67-66-3		
7.270	7.298 (1.019)	83	778518	24.6354	24.635	80.00- 120.00	100.00
7.270	7.298 (1.019)	85	490020			35.11- 95.11	62.94
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.519	7.519 (1.054)	97	843063	23.1757	23.176	80.00- 120.00	100.00
7.519	7.519 (1.054)	99	539719			34.25- 94.25	64.02
73 Cyclohexane					CAS #: 110-82-7		
7.491	7.491 (1.050)	84	604153	24.3325	24.332	80.00- 120.00	100.00
7.491	7.491 (1.050)	56	706712			86.70- 146.70	116.98
7.491	7.491 (1.050)	41	346585			28.67- 88.67	57.37
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.740	7.768 (1.085)	119	821699	23.8620	23.862	80.00- 120.00	100.00
7.740	7.768 (1.085)	117	854590			72.90- 132.90	104.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.182	8.210 (1.147)	57	2076188	24.2315	24.231	80.00- 120.00	100.00
8.182	8.210 (1.147)	56	667516			0.00- 30.00	32.15
8.182	8.210 (1.147)	41	476192			0.00- 30.00	22.94
81 Benzene					CAS #: 71-43-2		
8.154	8.182 (0.905)	78	1200513	26.6685	26.668	80.00- 120.00	100.00
8.154	8.182 (0.905)	77	274664			0.00- 30.00	22.88
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.348	8.348 (0.926)	62	512246	23.9942	23.994	80.00- 120.00	100.00
8.348	8.348 (0.926)	64	164720			0.00- 30.00	32.16
85 Heptane					CAS #: 142-82-5		
8.597	8.597 (0.954)	100	141595	24.3149	24.315	80.00- 120.00	100.00
8.597	8.597 (0.954)	43	672273			0.00- 30.00	474.79
8.597	8.597 (0.954)	71	423378			0.00- 30.00	299.01
94 Trichloroethene					CAS #: 79-01-6		
9.399	9.399 (1.043)	95	501457	26.3567	26.357	80.00- 120.00	100.00
9.399	9.399 (1.043)	130	532545			75.85- 135.85	106.20
9.399	9.399 (1.043)	97	313499			32.71- 92.71	62.52
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.896	9.897 (1.098)	63	392867	24.9031	24.903	80.00- 120.00	100.00
9.896	9.897 (1.098)	62	278866			39.11- 99.11	70.98
9.896	9.897 (1.098)	41	217922			23.89- 83.89	55.47
98 1,4-Dioxane					CAS #: 123-91-1		
10.145	10.145 (1.126)	88	266153	23.9481	23.948	80.00- 120.00	100.00
10.145	10.145 (1.126)	58	177688			35.73- 95.73	66.76
10.145	10.145 (1.126)	57	54013			0.00- 30.00	20.29
100 Bromodichloromethane					CAS #: 75-27-4		
10.449	10.450 (1.160)	83	716680	24.5422	24.542	80.00- 120.00	100.00
10.449	10.477 (1.160)	85	467932			32.90- 92.90	65.29
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.389	11.390 (1.264)	75	533484	21.5652	21.565	80.00- 120.00	100.00
11.389	11.390 (1.264)	77	165906			1.40- 61.40	31.10
11.389	11.390 (1.264)	39	259152			18.61- 78.61	48.58
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.749	11.749 (1.304)	58	276054	18.7183	18.718	80.00- 120.00	100.00
11.749	11.749 (1.304)	43	675090			0.00- 30.00	244.55
11.749	11.749 (1.304)	85	130525			0.00- 30.00	47.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
11.970	11.970 (1.328)	91	1279351	24.1368	24.137	80.00- 120.00	100.00
11.970	11.970 (1.328)	92	772193			28.54- 88.54	60.36
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.606	12.606 (0.877)	75	530460	21.9045	21.904	80.00- 120.00	100.00
12.606	12.606 (0.877)	77	168458			1.79- 61.79	31.76
12.606	12.606 (0.877)	39	246631			15.22- 75.22	46.49
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.910	12.910 (0.898)	97	417952	24.4070	24.407	80.00- 120.00	100.00
12.910	12.910 (0.898)	99	265673			32.42- 92.42	63.57
12.910	12.910 (0.898)	83	332636			51.23- 111.23	79.59
112 Tetrachloroethene					CAS #: 127-18-4		
12.938	12.966 (0.900)	166	534803	25.8925	25.892	80.00- 120.00	100.00
12.938	12.938 (0.900)	129	454560			50.79- 110.79	85.00
12.938	12.938 (0.900)	131	426998			46.04- 106.04	79.84
114 2-Hexanone					CAS #: 591-78-6		
13.353	13.353 (0.929)	58	347074	19.2271	19.227	80.00- 120.00	100.00
13.353	13.353 (0.929)	43	638847			146.57- 206.57	184.07
13.353	13.353 (0.929)	100	83092			0.00- 30.00	23.94
116 Dibromochloromethane					CAS #: 124-48-1		
13.491	13.491 (0.938)	129	707952	26.9062	26.906	80.00- 120.00	100.00
13.491	13.491 (0.938)	127	555513			0.00- 30.00	78.47
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.657	13.657 (0.950)	107	647598	24.3631	24.363	80.00- 120.00	100.00
13.657	13.657 (0.950)	109	607590			65.23- 125.23	93.82
126 Chlorobenzene					CAS #: 108-90-7		
14.403	14.403 (1.002)	112	1064808	25.8477	25.848	80.00- 120.00	100.00
14.403	14.403 (1.002)	114	342120			2.39- 62.39	32.13
14.403	14.403 (1.002)	77	578202			25.87- 85.87	54.30
129 Ethyl Benzene					CAS #: 100-41-4		
14.569	14.569 (1.013)	106	504910	23.6533	23.653	80.00- 120.00	100.00
14.569	14.569 (1.013)	91	1615221			0.00- 30.00	319.90
130 m,p-Xylene					CAS #: 108-38-3		
14.735	14.735 (1.025)	106	664109	24.4131	24.413	80.00- 120.00	100.00
14.735	14.735 (1.025)	91	1313869			0.00- 30.00	197.84
132 o-Xylene					CAS #: 95-47-6		
15.288	15.288 (1.063)	106	651774	24.6301	24.630	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)							
15.288	15.288 (1.063)	91	1387011			183.70- 243.70	212.81
134 Styrene					CAS #: 100-42-5		
15.343	15.344 (1.067)	104	910746	22.7522	22.752	80.00- 120.00	100.00
15.316	15.316 (1.065)	78	465073			21.57- 81.57	51.07
135 Bromoform					CAS #: 75-25-2		
15.565	15.592 (1.083)	173	573421	27.1944	27.194	80.00- 120.00	100.00
15.565	15.592 (1.083)	171	299009			21.79- 81.79	52.14
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.256	16.256 (1.131)	83	878400	24.6983	24.698	80.00- 120.00	100.00
16.256	16.256 (1.131)	85	567055			34.62- 94.62	64.56
147 4-Ethyltoluene					CAS #: 622-96-8		
16.449	16.450 (1.144)	105	2025784	26.1165	26.116	80.00- 120.00	100.00
16.449	16.450 (1.144)	120	627316			0.03- 60.03	30.97
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.532	16.532 (1.150)	105	1636438	23.6814	23.681	80.00- 120.00	100.00
16.532	16.532 (1.150)	120	815895			0.00- 30.00	49.86
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
16.975	16.975 (1.181)	105	1776493	24.6966	24.696	80.00- 120.00	100.00
16.975	16.975 (1.181)	120	828970			16.70- 76.70	46.66
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.279	17.279 (1.202)	146	1079008	26.5695	26.570	80.00- 120.00	100.00
17.279	17.279 (1.202)	148	697118			0.00- 30.00	64.61
17.279	17.279 (1.202)	111	483883			0.00- 30.00	44.85
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.389	17.390 (1.210)	146	1414010	26.8738	26.874	80.00- 120.00	100.00
17.389	17.390 (1.210)	148	886443			0.00- 30.00	62.69
17.389	17.390 (1.210)	111	552760			0.00- 30.00	39.09
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.555	17.555 (1.221)	91	1354371	24.4151	24.415	80.00- 120.00	100.00
17.555	17.555 (1.221)	126	291811			0.00- 30.00	21.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.749	17.749 (1.235)	146	1186763	26.5728	26.573	80.00- 120.00	100.00
17.749	17.749 (1.235)	148	753582			34.06- 94.06	63.50
17.749	17.749 (1.235)	111	542137			15.08- 75.08	45.68

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.131	19.132 (1.331)	180	1084090	29.9506	29.950	80.00- 120.00	100.00
19.131	19.132 (1.331)	182	1041732			66.66- 126.66	96.09
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.214	19.214 (1.337)	225	696559	29.0815	29.082	80.00- 120.00	100.00
19.214	19.214 (1.337)	223	451817			34.80- 94.80	64.86
145 Propylbenzene					CAS #: 103-65-1		
16.311	16.311 (1.135)	91	2284713	26.3231	26.323	80.00- 120.00	100.00
16.311	16.311 (1.135)	120	568900			0.00- 30.00	24.90
16.311	16.311 (1.135)	105	87215			0.00- 30.00	3.82
137 Cumene					CAS #: 98-82-8		
15.786	15.786 (1.098)	105	1941434	24.9403	24.940	80.00- 120.00	100.00
15.786	15.786 (1.098)	120	550484			0.00- 30.00	28.35
15.786	15.786 (1.098)	51	172905			0.00- 30.00	8.91
169 Naphthalene					CAS #: 91-20-3		
19.325	19.325 (1.344)	128	2145629	25.8559	25.856	80.00- 120.00	100.00
19.325	19.325 (1.344)	127	266956			0.00- 30.00	12.44
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.726	4.754 (0.663)	59	638864	21.1991	21.199	80.00- 120.00	100.00
4.726	4.754 (0.663)	41	153827			0.00- 30.00	24.08
4.754	4.754 (0.667)	57	61142			0.00- 30.00	9.57
9 Butane					CAS #: 106-97-8		
2.237	2.238 (0.314)	58	95009	25.3277	25.328	80.00- 120.00	100.00
2.237	2.238 (0.314)	43	644495			0.00- 30.00	678.35
15 Isopentane					CAS #: 78-78-4		
2.818	2.846 (0.395)	43	529123	25.9415	25.942	80.00- 120.00	100.00
2.818	2.846 (0.395)	57	377765			0.00- 30.00	71.39
2.818	2.846 (0.395)	72	46581			0.00- 30.00	8.80
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.620	9.648 (1.349)	83	734415	22.2325	22.232	80.00- 120.00	100.00
9.620	9.648 (1.349)	98	372571			0.00- 30.00	50.73
9.620	9.620 (1.349)	55	573652			0.00- 30.00	78.11

Report Date: 15-Aug-2008 10:43

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8081503.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd8.i/8-15aug.b/t14q804b.m
Misc Info: 25ppbv (100ppbv)

Calibration Date: 15-AUG-2008
Calibration Time: 10:07
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	322567	193540	451594	274901	-14.78
88 1,4-Difluorobenze	1230926	738556	1723296	1024477	-16.77
125 Chlorobenzene-d5	1019312	611587	1427037	859155	-15.71

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.16	6.83	7.49	7.13	-0.39
88 1,4-Difluorobenze	9.01	8.68	9.34	9.01	0.00
125 Chlorobenzene-d5	14.38	14.05	14.71	14.38	0.00

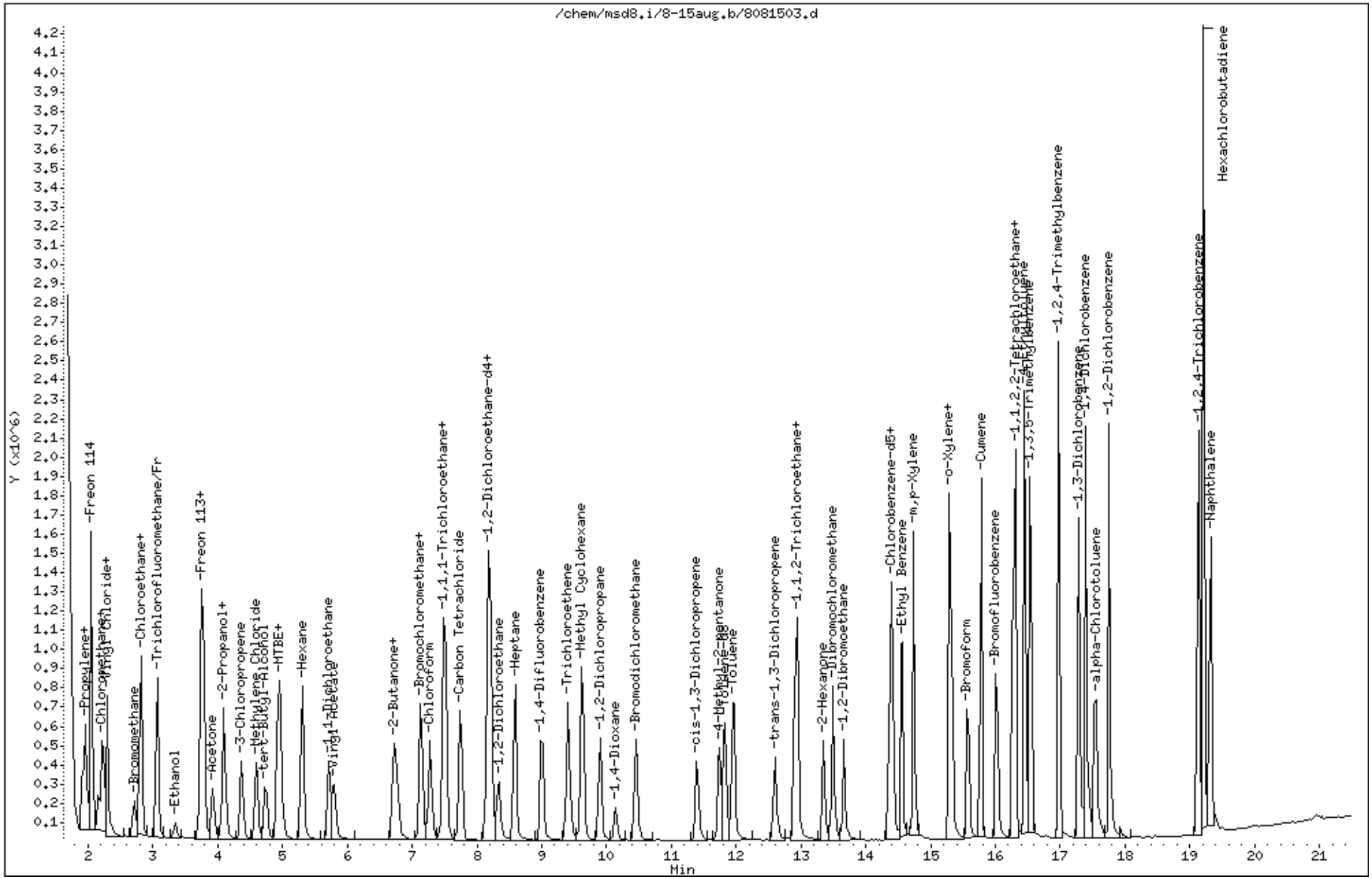
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0207

Data File: /chem/msd8.i/8-15aug.b/8081503.d
Date : 15-AUG-2008 10:35
Client ID: LCS-1
Sample Info: 50mL #1612-75A

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

Column phase: RTx-624



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MSD-8

Logbook #: 1647

0208

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.84
75	30.0 – 60.0% of mass 95	47.35
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.54
173	Less than 2.0% of mass 174	(0.88)[1]
174	50.0 – 100% of mass 95	66.00
175	5.0 – 9.0% of mass 174	(7.19)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.20)[1]
177	5.0 – 9.0% of mass 176	(6.21)[2]

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

BFB Injection Date: 8-15-08
BFB Injection Time: 0944
BFB File ID: 8081501
Tekmar Purge Flow: 15.3mL/min
Vacuum: 8.5×10^{-6}

IS/S Std.#: 1541-215		Exp. Date: 10-16-08
BCM	322567	
1,4-DFB	1230926	
CB-d5	1019312	

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

Verify 176/174 m/z Ratio: 1072128 / 1114112 x 100 = 96.23

NOAH Cart #: 5 **File #:** 8081504

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 420813\ )}{(\ 322567\ )} \times \frac{(\ 25\ )}{(\ 1.48544\ )} = 21.956$

Reported Result 21.956

File ID:	8081502
Compound:	1,2-DCA-d4
Initials:	CT.

Method: TI49804b

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8081501	BFB Tune Check	AT6278	5psig	2mL	1.00	CT	8-15-08	0944	CT	
2	✓	02	CCV-1 (20ppbv)	5414-210	5psig	5mL				1007	CT	
3	✓	03	LCS-1 (20ppbv)	1612-758	5psig	5mL				1035	CT	
4	✓	04	Lab Blank	4214	8-15-08 CT Humid	200mL	1.00	CT		1143	CT	Cert Cart# 5 Leg 7
5	✓	05	System Blank	4214	Humid	200mL	1.00	CT		1249	CT	Cert Cart# 10 Leg 8
6	✓	06	8082901A-01A	4070	4.0"Hg→5psi	-	1.55			1431	SES	
7	✓	07	" -02A	13849	4.5"Hg→5psi		1.58			1613	SES	

C Taylor
Signature

8-15-08
Date

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MSD-8

Logbook #: 1647

8	✓	8081508	0808291A-03A	33771	5.0"Hg>5psi	200mL	1.61	CJ	8-15-08	1556	SM	
9	✓	09	-04A	05403	5.5"Hg>5psi		1.64			1638	SM	
10	✓	10	-05A	53889	3.0"Hg>5psi		1.49			1721	SM	
11	✓	11	0808157-01A	25304	9.0"Hg>5psi		1.91			1803	SM	
12	✓	12	-02A	9907	8.5"Hg>5psi		1.87			1845	SM	
13	✓	13	-02AA	↓	↓		↓			1928	SM	
14	✓	14	-03A	21076	10.0"Hg>5psi	↓	2.01	↓	↓	2010	SM	
15	✓	15	0808255A-01A	34422	8.0"Hg-5psi	200mL	1.83	SM		2115	SM	
16	✓	16	02A	33655	9.5"Hg		1.86			2157	SM	
17	✓	17	02AA	↓	↓		↓			2240	SM	
18	✓	18	03A	32148	11.5"Hg		2.17		↓	2322	SM	
19	✓	19	04A	34314	12.0"Hg		2.23		8/16/08	0005	SM	
20	✓	20	05A	33560	↓		↓			0047	SM	
21	✓	21	06A	34003	10.5"Hg	↓	2.06			0129	SM	
22	✓	22	0808258 - 01A	14414	5.5"Hg - 15psi	100mL	4.94			0208	SM	
23	✓	23	0808259 - 01A	36447	J	200mL	2.47	B		0250	SM	
24												
25												
26												
27												
28												
29												
30												
31												

0209

Comments: LVC 8-17-08

Signature

8-17-08
Date

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-04aug.b/8080407.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 04-AUG-2008 23:08
Operator : dfm Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-04aug.b/bfb30.m
Meth Date : 04-Aug-2008 08:18 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.588	3.748	-0.160	95	1524682			100.00- 100.00	100.00
3.588	3.748	-0.160	50	273913			15.00- 40.00	17.97
3.588	3.748	-0.160	75	702346			30.00- 60.00	46.07
3.588	3.748	-0.160	96	99569			5.00- 9.00	6.53
3.588	3.748	-0.160	173	8825			0.00- 2.00	0.92
3.588	3.748	-0.160	174	956988			50.00- 100.00	62.77
3.588	3.748	-0.160	175	71512			5.00- 9.00	7.47
3.588	3.748	-0.160	176	923858			95.00- 101.00	96.54
3.588	3.748	-0.160	177	57859			5.00- 9.00	6.26

Data File: /var/chem/msd8.i/8-04aug.b/8080407.d

Date : 04-AUG-2008 23:08

Client ID: BFB

Instrument: msd8.i

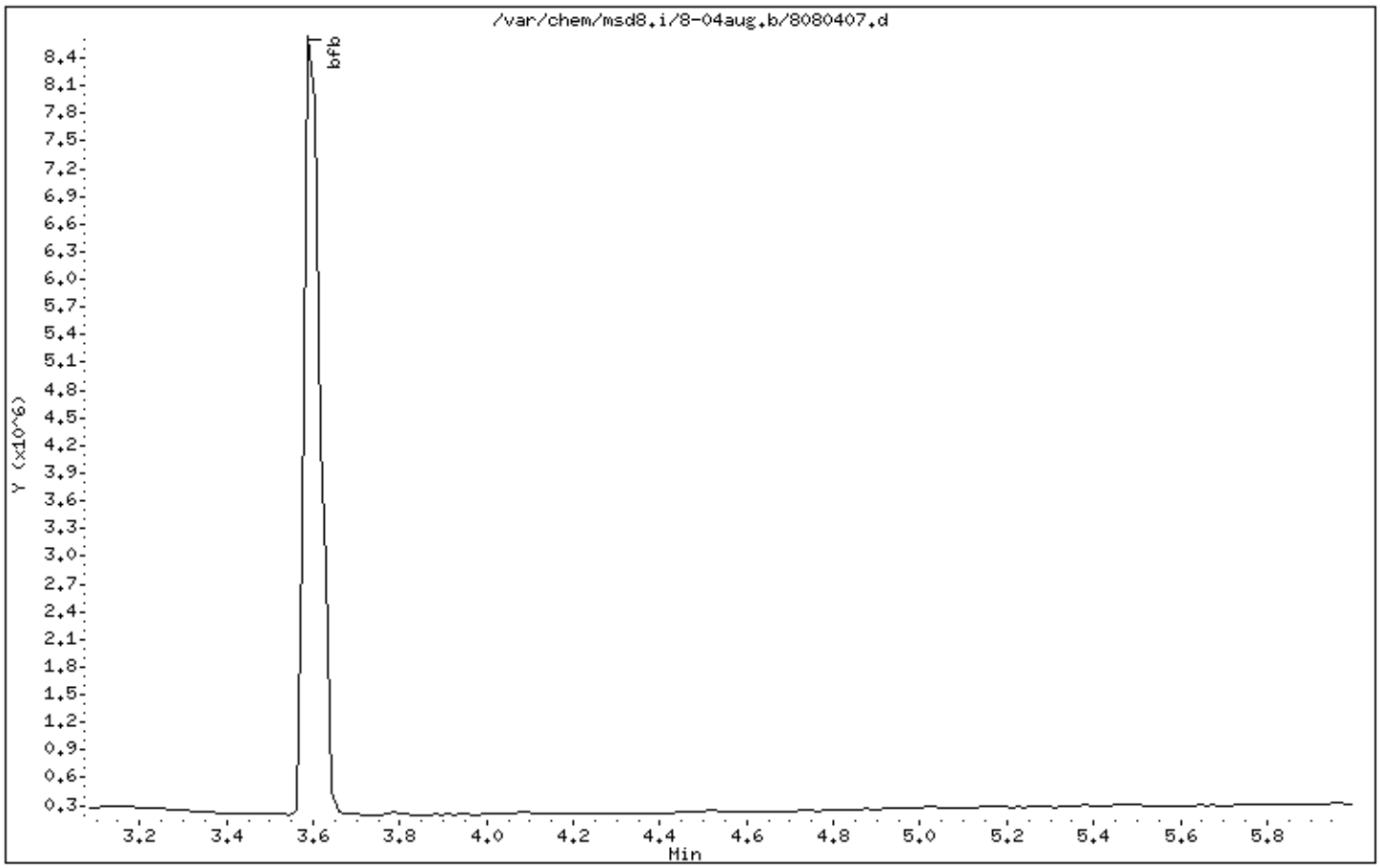
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: dfm

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-04aug.b/8080407.d

Date : 04-AUG-2008 23:08

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

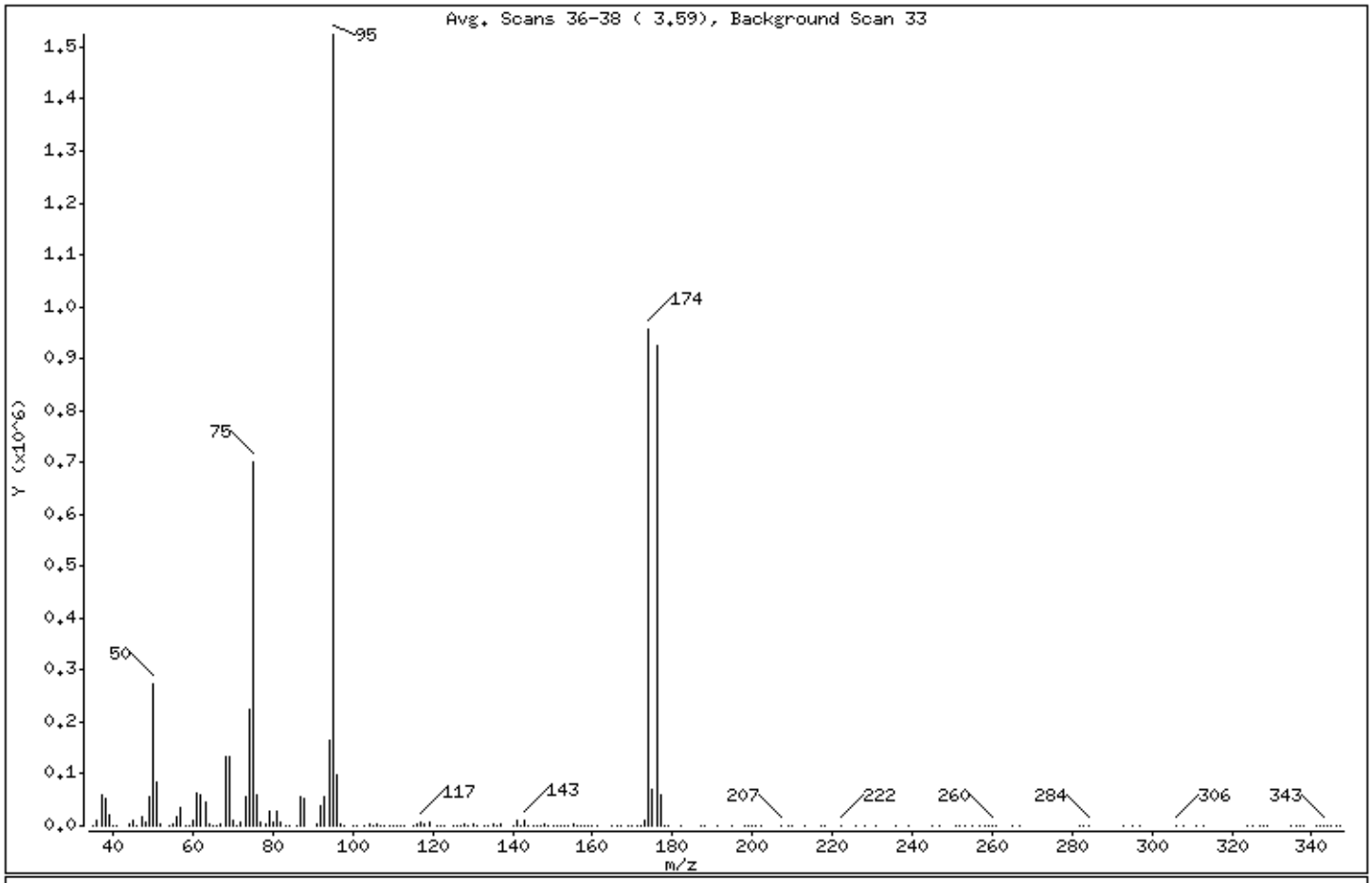
Volume Injected (uL): 2.0

Operator: dfm

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.97
75	30.00 - 60.00% of mass 95	46.07
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.58 (0.92)
174	50.00 - 100.00% of mass 95	62.77
175	5.00 - 9.00% of mass 174	4.69 (7.47)
176	95.00 - 101.00% of mass 174	60.59 (96.54)
177	5.00 - 9.00% of mass 176	3.79 (6.26)

Date : 04-AUG-2008 23:08

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: dfm

Column phase: Column diameter: 0.53

Data File: 8080407.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	101	87.00	54624	145.00	1007	226.00	87
36.00	10702	88.00	53064	146.00	1547	228.00	68
37.00	58808	91.00	3790	147.00	877	231.00	75
38.00	53432	92.00	37776	148.00	2266	236.00	123
39.00	21008	93.00	56096	149.00	1050	239.00	127
40.00	647	94.00	163840	150.00	1112	245.00	69
41.00	117	95.00	1524224	151.00	423	247.00	48
44.00	3701	96.00	99568	152.00	694	251.00	263
45.00	9419	97.00	3542	153.00	1030	252.00	109
46.00	774	98.00	209	154.00	878	253.00	122
47.00	16616	100.00	19	155.00	2248	255.00	205
48.00	7019	101.00	337	156.00	381	257.00	104
49.00	54616	103.00	369	157.00	1424	258.00	168
50.00	273856	104.00	4598	158.00	20	259.00	98
51.00	83896	105.00	1044	159.00	1046	260.00	589
52.00	3520	106.00	4947	160.00	286	261.00	204
54.00	7	107.00	1182	161.00	1236	265.00	25
55.00	2797	108.00	6	165.00	159	267.00	228
56.00	17992	109.00	509	166.00	205	282.00	305
57.00	34552	110.00	629	167.00	193	283.00	141
58.00	1439	111.00	952	169.00	498	284.00	357
59.00	263	112.00	692	170.00	455	293.00	85
60.00	10659	113.00	729	171.00	115	295.00	74
61.00	61704	115.00	1044	172.00	213	297.00	69
62.00	60128	116.00	4819	173.00	8825	306.00	287
63.00	46656	117.00	7417	174.00	956928	308.00	88
64.00	3917	118.00	4106	175.00	71512	311.00	74
65.00	263	119.00	5995	176.00	923840	313.00	94
66.00	296	121.00	59	177.00	57856	324.00	205
67.00	3029	122.00	116	178.00	1191	325.00	109
68.00	134656	123.00	580	179.00	32	327.00	143
69.00	133632	125.00	179	182.00	98	328.00	180
70.00	10090	126.00	619	187.00	120	329.00	135
71.00	218	127.00	15	188.00	216	335.00	364
72.00	5666	128.00	4391	191.00	98	336.00	101

Date : 04-AUG-2008 23:08

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: dfm

Column phase: Column diameter: 0.53

Data File: 8080407.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	55968	129.00	1632	195.00	287	337.00	71
74.00	222848	130.00	4409	198.00	79	338.00	84
75.00	702336	131.00	1594	199.00	133	341.00	2
76.00	60488	133.00	542	200.00	140	342.00	211
77.00	6588	134.00	317	201.00	163	343.00	410
78.00	4926	135.00	1880	202.00	156	344.00	36
79.00	28816	136.00	458	207.00	308	345.00	122
80.00	8399	137.00	2405	209.00	95	346.00	323
81.00	29456	140.00	993	210.00	160	347.00	97
82.00	6677	141.00	10888	213.00	77		
83.00	845	142.00	1090	217.00	101		
84.00	323	143.00	11440	218.00	91		
86.00	1280	144.00	464	222.00	168		

Air Toxics Ltd.

Data file : /chem/msd8.i/8-06aug.b/8080601.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 06-AUG-2008 09:05
Operator : smd Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-06aug.b/bfb30.m
Meth Date : 06-Aug-2008 08:52 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.588	3.748	-0.160	95	2074575			100.00- 100.00	100.00
3.588	3.748	-0.160	50	360420			15.00- 40.00	17.37
3.588	3.748	-0.160	75	947660			30.00- 60.00	45.68
3.588	3.748	-0.160	96	138012			5.00- 9.00	6.65
3.588	3.748	-0.160	173	12253			0.00- 1.99	0.91
3.588	3.748	-0.160	174	1340439			50.01- 100.00	64.61
3.588	3.748	-0.160	175	96101			5.00- 9.00	7.17
3.588	3.748	-0.160	176	1291114			95.01- 100.99	96.32
3.588	3.748	-0.160	177	84129			5.00- 9.00	6.52

Data File: /chem/msd8.i/8-06aug.b/8080601.d

Date : 06-AUG-2008 09:05

Client ID: BFB

Instrument: msd8.i

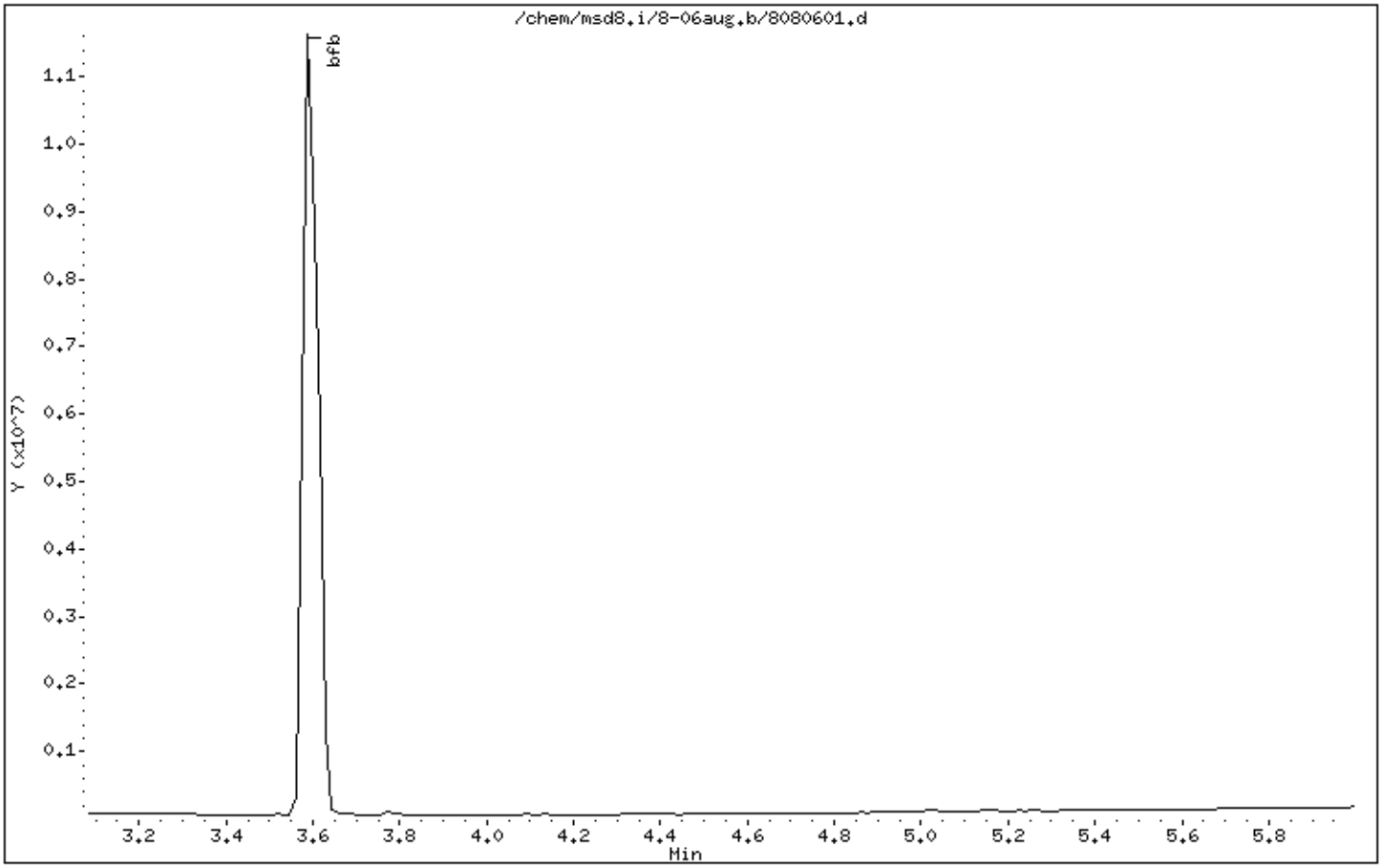
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: smd

Column phase:

Column diameter: 0.53



Data File: /chem/msd8.i/8-06aug.b/8080601.d

Date : 06-AUG-2008 09:05

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

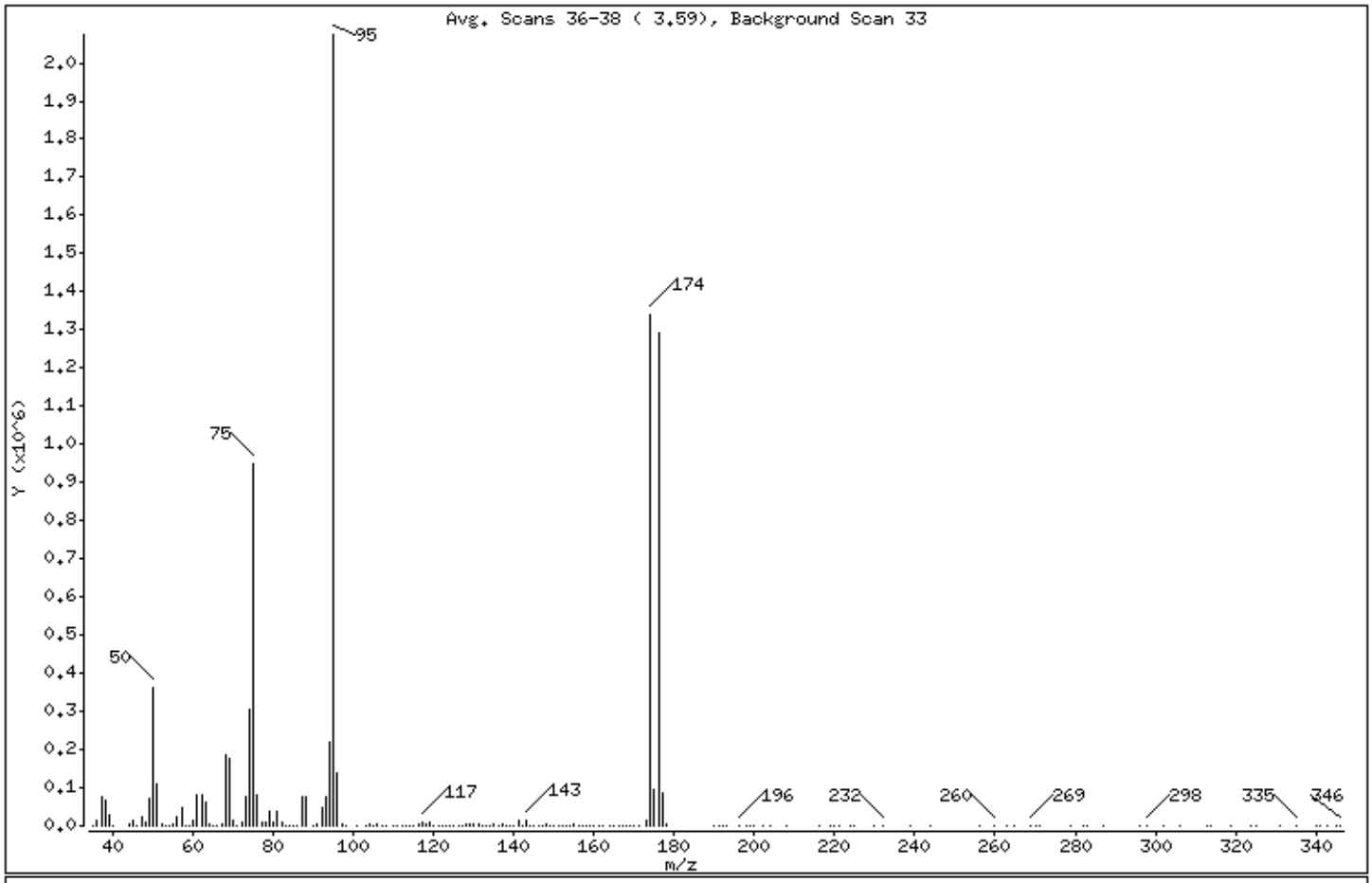
Volume Injected (uL): 2.0

Operator: smd

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.37
75	30.00 - 60.00% of mass 95	45.68
96	5.00 - 9.00% of mass 95	6.65
173	Less than 1.99% of mass 174	0.59 (0.91)
174	50.01 - 100.00% of mass 95	64.61
175	5.00 - 9.00% of mass 174	4.63 (7.17)
176	95.01 - 100.99% of mass 174	62.24 (96.32)
177	5.00 - 9.00% of mass 176	4.06 (6.52)

Date : 06-AUG-2008 09:05

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: smd

Column phase: Column diameter: 0.53

Data File: 8080601.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 182

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	94	84.00	431	135.00	2845	196.00	168
36.00	13227	85.00	100	136.00	648	198.00	91
37.00	76168	86.00	1721	137.00	3047	199.00	75
38.00	68104	87.00	74640	138.00	166	200.00	71
39.00	26656	88.00	74472	139.00	595	202.00	86
40.00	731	90.00	194	140.00	1098	204.00	138
44.00	6927	91.00	5524	141.00	16339	208.00	152
45.00	14083	92.00	49432	142.00	1624	216.00	92
46.00	662	93.00	77392	143.00	16584	219.00	107
47.00	22576	94.00	221056	144.00	765	220.00	90
48.00	10246	95.00	2074112	145.00	1447	221.00	78
49.00	73760	96.00	137984	146.00	1971	224.00	148
50.00	360384	97.00	4173	147.00	1448	225.00	149
51.00	108640	98.00	176	148.00	3835	230.00	142
52.00	4010	101.00	143	149.00	1202	232.00	158
53.00	84	103.00	819	150.00	1669	239.00	84
54.00	104	104.00	6818	151.00	464	244.00	74
55.00	3906	105.00	2140	152.00	1153	256.00	74
56.00	25336	106.00	6879	153.00	1228	260.00	260
57.00	47424	107.00	1120	154.00	1047	263.00	89
58.00	1728	108.00	208	155.00	3894	265.00	77
59.00	503	110.00	806	156.00	614	269.00	454
60.00	15177	111.00	1690	157.00	2292	270.00	10
61.00	82968	112.00	1037	158.00	485	271.00	35
62.00	81424	113.00	854	159.00	1883	279.00	81
63.00	62912	114.00	74	160.00	192	282.00	172
64.00	5209	115.00	1511	161.00	1328	283.00	93
65.00	506	116.00	5380	162.00	77	287.00	76
66.00	315	117.00	9051	164.00	344	296.00	70
67.00	3766	118.00	6274	165.00	180	298.00	89
68.00	184064	119.00	7982	166.00	84	302.00	71
69.00	177408	120.00	191	167.00	353	306.00	74
70.00	13561	121.00	396	168.00	239	313.00	78
71.00	462	122.00	505	169.00	207	314.00	75
72.00	8227	123.00	618	170.00	423	319.00	68

Data File: /chem/msd8.i/8-06aug.b/8080601.d

Date : 06-AUG-2008 09:05

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: smd

Column phase:

Column diameter: 0.53

Data File: 8080601.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 182

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	76472	124.00	1076	171.00	713	324.00	69
74.00	302784	125.00	84	173.00	12253	325.00	79
75.00	947648	126.00	695	174.00	1340416	331.00	71
76.00	81712	127.00	498	175.00	96096	335.00	219
77.00	9373	128.00	6249	176.00	1290752	340.00	123
78.00	7742	129.00	2994	177.00	84128	341.00	174
79.00	38208	130.00	6057	178.00	2434	343.00	49
80.00	11209	131.00	2470	190.00	79	345.00	102
81.00	40528	132.00	424	191.00	5	346.00	78
82.00	8581	133.00	24	192.00	153		
83.00	924	134.00	40	193.00	21		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-15aug.b/8081501.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-AUG-2008 09:44
Operator : ct Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-15aug.b/bfb30.m
Meth Date : 15-Aug-2008 09:31 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.588	3.748	-0.160	95	1688693			100.00- 100.00	100.00
3.588	3.748	-0.160	50	301227			15.00- 40.00	17.84
3.588	3.748	-0.160	75	799586			30.00- 60.00	47.35
3.588	3.748	-0.160	96	110397			5.00- 9.00	6.54
3.588	3.748	-0.160	173	9800			0.00- 1.99	0.88
3.588	3.748	-0.160	174	1114553			50.01- 100.00	66.00
3.588	3.748	-0.160	175	80157			5.00- 9.00	7.19
3.588	3.748	-0.160	176	1072196			95.01- 100.99	96.20
3.588	3.748	-0.160	177	66624			5.00- 9.00	6.21

Data File: /var/chem/msd8.i/8-15aug.b/8081501.d

Page 1

Date : 15-AUG-2008 09:44

Client ID: BFB

Instrument: msd8.i

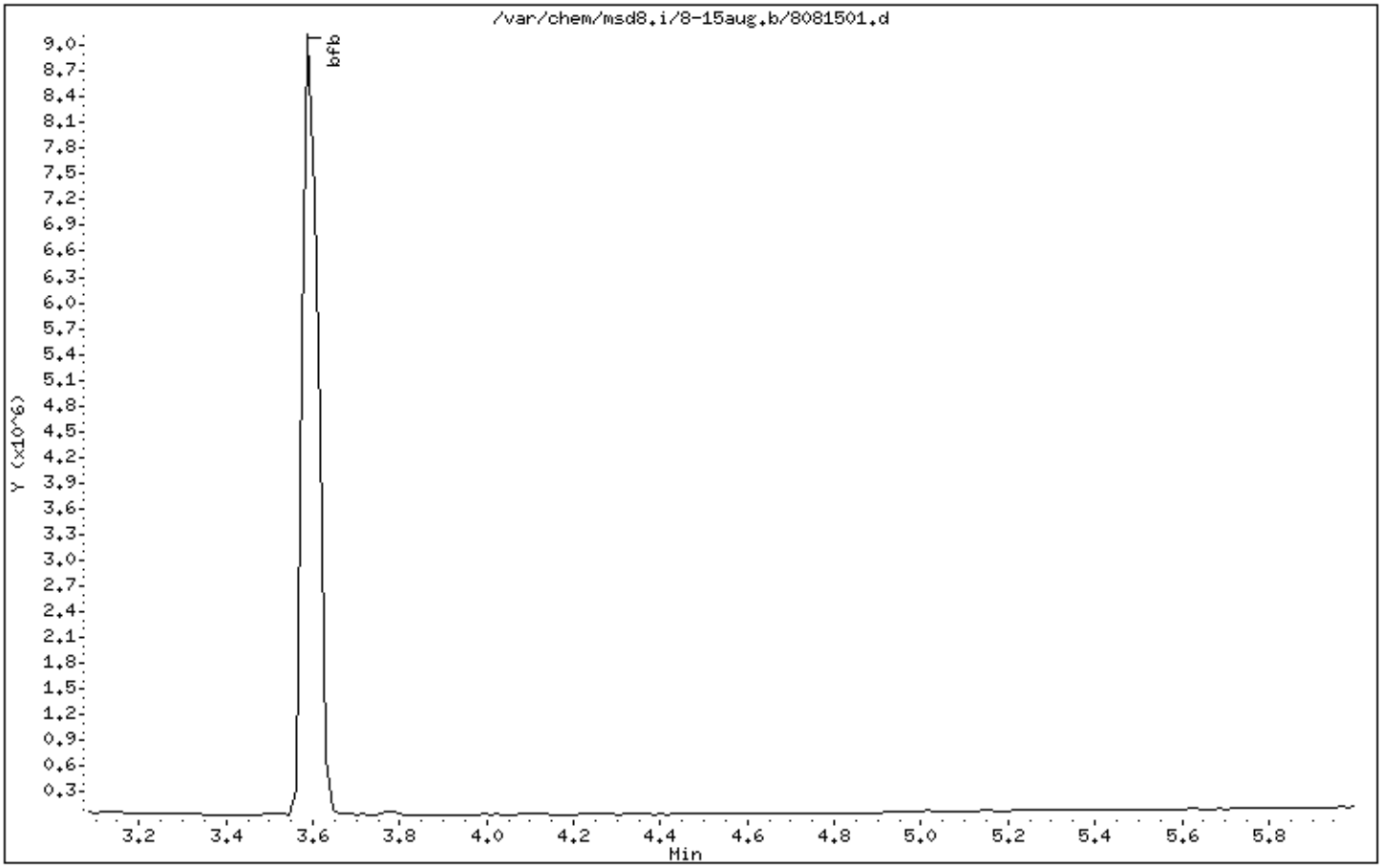
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-15aug.b/8081501.d

Date : 15-AUG-2008 09:44

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

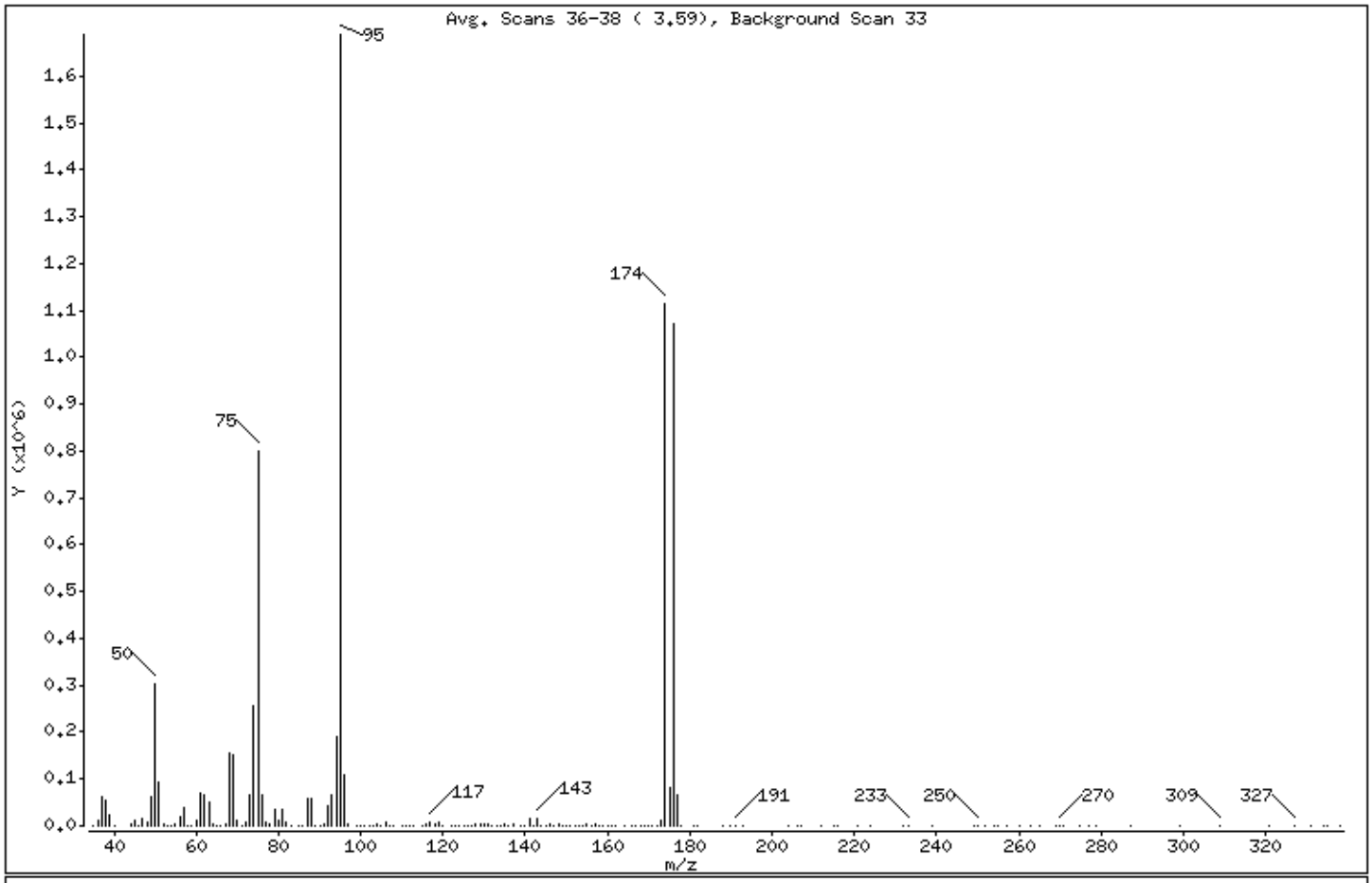
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.84
75	30.00 - 60.00% of mass 95	47.35
96	5.00 - 9.00% of mass 95	6.54
173	Less than 1.99% of mass 174	0.58 (0.88)
174	50.01 - 100.00% of mass 95	66.00
175	5.00 - 9.00% of mass 174	4.75 (7.19)
176	95.01 - 100.99% of mass 174	63.49 (96.20)
177	5.00 - 9.00% of mass 176	3.95 (6.21)

Date : 15-AUG-2008 09:44

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 8081501.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	85	82.00	7486	131.00	2267	178.00	1908
36.00	10757	83.00	899	132.00	401	181.00	88
37.00	62880	85.00	101	133.00	165	182.00	84
38.00	55328	86.00	1168	134.00	409	188.00	69
39.00	21520	87.00	58200	135.00	2683	190.00	91
40.00	335	88.00	58080	136.00	571	191.00	307
44.00	4389	89.00	95	137.00	2703	193.00	262
45.00	11496	90.00	105	139.00	605	204.00	72
46.00	559	91.00	4523	140.00	670	206.00	81
47.00	17240	92.00	42112	141.00	15007	207.00	5
48.00	8198	93.00	67712	142.00	1447	212.00	104
49.00	60928	94.00	190528	143.00	15622	215.00	92
50.00	301184	95.00	1688576	144.00	863	216.00	77
51.00	92512	96.00	110392	145.00	1304	221.00	76
52.00	3612	97.00	3309	146.00	2345	224.00	82
53.00	211	99.00	78	147.00	1202	232.00	84
54.00	197	100.00	76	148.00	3337	233.00	110
55.00	3334	101.00	86	149.00	1189	239.00	96
56.00	20536	102.00	101	150.00	1335	249.00	81
57.00	38864	103.00	421	151.00	213	250.00	184
58.00	1631	104.00	5722	152.00	715	252.00	88
59.00	431	105.00	1192	153.00	1218	254.00	69
60.00	12884	106.00	5929	154.00	911	255.00	73
61.00	68752	107.00	1446	155.00	3522	257.00	68
62.00	67360	108.00	69	156.00	1010	260.00	41
63.00	52336	110.00	722	157.00	2627	263.00	83
64.00	4957	111.00	1253	158.00	629	265.00	76
65.00	881	112.00	789	159.00	1660	269.00	188
66.00	84	113.00	757	160.00	222	270.00	285
67.00	3261	115.00	1156	161.00	1129	271.00	89
68.00	156096	116.00	5331	162.00	122	275.00	84
69.00	152000	117.00	8925	164.00	182	277.00	79
70.00	10072	118.00	4951	166.00	176	279.00	69
71.00	399	119.00	7459	167.00	2	287.00	71
72.00	7030	120.00	272	168.00	228	299.00	71

Date : 15-AUG-2008 09:44

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 8081501.d
Spectrum: Avg. Scans 36-38 (3.59), Background Scan 33
Location of Maximum: 95.00
Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	66640	122.00	338	169.00	455	309.00	76
74.00	256768	123.00	535	170.00	716	321.00	77
75.00	799552	124.00	869	171.00	425	327.00	131
76.00	66888	125.00	459	172.00	945	331.00	78
77.00	8218	126.00	765	173.00	9800	334.00	95
78.00	5133	127.00	367	174.00	1114112	335.00	77
79.00	33136	128.00	5505	175.00	80152	338.00	87
80.00	9807	129.00	2344	176.00	1072128		
81.00	35752	130.00	4925	177.00	66624		

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ATTENTION: Ms. Theresa Landgraff
FAX #:
FROM: Sample Receiving
Workorder #: 0808157
# of pages (Including Cover): 1

8/25/2008

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

The following discrepancy has been observed:

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

Your prompt response is appreciated.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

0227

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

Collected By: Signature: Thomas Lee

Project Info:

P.O. #

Project # 061140 - 8 - 1708

Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:

[X] Normal

[ ] Rush _____

Specify 6D 8/8/08

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	AMS 3 DW 25304	08/06/08 0549/1345	TO-15 + Naphthalene		-5 in Hg	9.0 in Hg
02A	AMS3 DW 9507	08/06/08 0546/1348	TO-15 + Naphthalene		-5 in Hg	3.5 in Hg
03A	AMS 5 DW 21078	08/06/08 0544/1345	TO-15 + Naphthalene			16.0 in Hg

Relinquished By: (Signature) Date/Time: Thomas Lee 08/06/08 1900

Received By: (Signature) Date/Time: Monica Tregger ATL 8/7/08 915

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@geiconsultains.com

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp °C	Condition	Custody Seals Intact?	Work Order #
	FedEx		MG	NA	Good	Yes No (None)	0808157

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0808157

Client

Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Sales Rep: TB

Phone

631-760-9300 x 12

Fax

Date Promised: 08/21/08
Date Completed: 8/20/08
Date Received: 8/7/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 861.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS 3 DW (25304)	Modified TO-15	8/6/2008	9.0 "Hg	$225.00
02A	AMS 3 DW (9907)	Modified TO-15	8/6/2008	8.5 "Hg	$225.00
02AA	AMS 3 DW (9907) Lab Duplicate	Modified TO-15	8/6/2008	8.5 "Hg	$0.00
03A	AMS 5 UW	Modified TO-15	8/6/2008	10.0 "Hg	$225.00
04A	Lab Blank	Modified TO-15	NA	NA	$0.00
05A	CCV	Modified TO-15	NA	NA	$0.00
06A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (1) @ $50.00 each., Shipment 58432	$50.00
	6 Liter Summa Canister (100% Certified) (2) @ $65.00 each., Shipment 58	$130.00
	Fuel Surcharge (3) @ $2.00 each.	$6.00

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

BILL TO: Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Sample Discrepancy Report

Identification

Initiated By: MW **Date:** 8/7 **Discrepancy Type:** (circle all that apply) (I.) II. III.

Workorder(s) affected: 0808157 **Sample(s) affected:** all

Project ID: _____

I. Sample Receipt Discrepancies

Narration Not Required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure.
- ☐ No brass cap on canister.
- ☐ Date of Collection noted on first sample, but no arrow down to indicate all samples.
- ☐ Sample date error/missing on COC but noted on sample tag (circle one).

Narration Required in Lab Narrative and Sample Confirmation:

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

Describe the Discrepancy: non unique IDs - added can #'s

II. Sample Receipt/Screening Discrepancies requiring CSR notification

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

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

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

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

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
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	
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	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
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	
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	

www.airtoxics.com
1-800-985-5955

Media Certification Report

File/Canister #: F073106 ; 6L#25304 w/ 10.2mL FC + T:1
Date: 7/31/2008 16:58:51

Peak #	Quantification	CAS	Type	Concentration	Units
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	Freon 134a	0-00-0	Not Found		ppbv
	Isobutane	0-00-0	Not Found		ppbv
	Propylene	132417-16-4	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 123a	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Acrolein	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Isopentane	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Freon 11	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	Dibromomethane	0-00-0	Not Found		ppbv
	Acetone	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	trans-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	Methyl tert-butyl ether	0-00-0	Not Found		ppbv
	Hexane	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Nonane	589-43-5	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Ethyl Acetate	0-00-0	Not Found		ppbv
	Tetrahydrofuran	0-00-0	Not Found		ppbv
	Chloroform	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv

www.airtoxics.com
1-800-985-5955

Media Certification Report

File/Canister #: F073106 ; 6L#25304 w/ 10.2mL FC + T:1
Date: 7/31/2008 16:58:51

Peak #	Quantification	CAS	Type	Concentration	Units
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Trichloroethene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	2-Chlorotoluene	108-41-8	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	3-Chlorotoluene	106-43-4	Not Found		ppbv
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv

0236

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1-800-985-5955

Media Certification Report

File/Canister #: F073106 ; 6L#25304 w/ 10.2mL FC + T:1
Date: 7/31/2008 16:58:51

Peak #	Quantification	CAS	Type	Concentration	Units
	Indan	0-00-0	Not Found		ppbv
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
4	Butane	463-49-0	Quantified	0.02	ppbv
9	Carbon Disulfide	75-15-0	Quantified	0.01	ppbv
12	Methylene Chloride	75-09-2	Quantified	0.09	ppbv
14	Bromochloromethane-IS	74-97-5	Quantified	2.50	ppbv
16	Benzene	34793-66-3	Quantified	0.01	ppbv
17	1,2-Dichloroethane-d4	930-29-0	Quantified	2.67	ppbv
19	Heptane	27126-22-3	Quantified	0.01	ppbv
20	1,4-Difluorobenzene-IS	540-36-3	Quantified	2.50	ppbv
21	1-Butanol	73548-72-8	Quantified	0.00	ppbv
22	Toluene-D8	2037-26-5	Quantified	2.44	ppbv
23	Toluene	2422-86-8	Quantified	0.01	ppbv
25	Chlorobenzene-d5-IS	3114-55-4	Quantified	2.50	ppbv
28	Bromofluorobenzene	460-00-4	Quantified	2.34	ppbv

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Media Certification Report

File/Canister #: F073047;6L #21076 w/10.2mL +T:1
Date: 7/31/2008 06:47:54

Peak #	Quantification	CAS	Type	Concentration	Units
	1,1,1,2-Tetrafluoroethane	0-00-0	Not Found		ppbv
	Freon 134a	0-00-0	Not Found		ppbv
	Isobutane	0-00-0	Not Found		ppbv
	Propylene	132417-16-4	Not Found		ppbv
	Freon 12	0-00-0	Not Found		ppbv
	Freon 123a	0-00-0	Not Found		ppbv
	1,1-Difluoroethane	0-00-0	Not Found		ppbv
	Freon 114	0-00-0	Not Found		ppbv
	Chloromethane	0-00-0	Not Found		ppbv
	Vinyl Chloride	0-00-0	Not Found		ppbv
	1,3-Butadiene	0-00-0	Not Found		ppbv
	Acrolein	0-00-0	Not Found		ppbv
	Methyl Acetate	0-00-0	Not Found		ppbv
	Bromomethane	0-00-0	Not Found		ppbv
	Acrylonitrile	0-00-0	Not Found		ppbv
	Chloroethane	0-00-0	Not Found		ppbv
	Chloroprene	0-00-0	Not Found		ppbv
	Vinyl bromide	0-00-0	Not Found		ppbv
	Freon 11	0-00-0	Not Found		ppbv
	Ethanol	0-00-0	Not Found		ppbv
	1,1-Dichloroethene	0-00-0	Not Found		ppbv
	Freon 113	0-00-0	Not Found		ppbv
	Dibromomethane	0-00-0	Not Found		ppbv
	3-Chloropropene	0-00-0	Not Found		ppbv
	2-Propanol	0-00-0	Not Found		ppbv
	2,3-Dimethylpentane	0-00-0	Not Found		ppbv
	2-Methylpentane	0-00-0	Not Found		ppbv
	tert-Butyl alcohol	0-00-0	Not Found		ppbv
	Ethyl-tert-butyl ether	0-00-0	Not Found		ppbv
	1,1-Dichloroethane	0-00-0	Not Found		ppbv
	Isopropyl ether	0-00-0	Not Found		ppbv
	Vinyl Acetate	0-00-0	Not Found		ppbv
	Nonane	589-43-5	Not Found		ppbv
	2,2-Dichloropropane	0-00-0	Not Found		ppbv
	cis-1,2-Dichloroethene	0-00-0	Not Found		ppbv
	2-Butanone (Methyl Ethyl Ketone)	0-00-0	Not Found		ppbv
	Ethyl Acetate	0-00-0	Not Found		ppbv
	Tetrahydrofuran	0-00-0	Not Found		ppbv
	Chloroform	0-00-0	Not Found		ppbv
	1,1,1-Trichloroethane	0-00-0	Not Found		ppbv
	Cyclohexane	0-00-0	Not Found		ppbv
	Carbon Tetrachloride	0-00-0	Not Found		ppbv
	1,1-Dichloropropene	0-00-0	Not Found		ppbv

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1-800-985-5955

Media Certification Report

File/Canister #: F073047;6L #21076 w/10.2mL +T:1
Date: 7/31/2008 06:47:54

Peak #	Quantification	CAS	Type	Concentration	Units
	2,2,4-Trimethylpentane	0-00-0	Not Found		ppbv
	1,2-Dichloroethane	0-00-0	Not Found		ppbv
	tert-Amyl Methyl ether	0-00-0	Not Found		ppbv
	Thiophene	0-00-0	Not Found		ppbv
	Methylcyclohexane	0-00-0	Not Found		ppbv
	1,2-Dichloropropane	0-00-0	Not Found		ppbv
	1,4-Dioxane	0-00-0	Not Found		ppbv
	Bromodichloromethane	0-00-0	Not Found		ppbv
	Hexachloroethane	0-00-0	Not Found		ppbv
	cis-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	4-Methyl-2-pentanone	0-00-0	Not Found		ppbv
	trans-1,3-Dichloropropene	0-00-0	Not Found		ppbv
	1,1,2-Trichloroethane	0-00-0	Not Found		ppbv
	Tetrachloroethene	0-00-0	Not Found		ppbv
	2-Hexanone	0-00-0	Not Found		ppbv
	Dibromochloromethane	0-00-0	Not Found		ppbv
	1,2,3-Trichlorobenzene	0-00-0	Not Found		ppbv
	1,2-Dibromoethane (EDB)	0-00-0	Not Found		ppbv
	Chlorobenzene	0-00-0	Not Found		ppbv
	Ethyl Benzene	0-00-0	Not Found		ppbv
	1,1,1,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	m,p-Xylene	0-00-0	Not Found		ppbv
	o-Xylene	0-00-0	Not Found		ppbv
	Styrene	0-00-0	Not Found		ppbv
	Bromoform	0-00-0	Not Found		ppbv
	Cumene	0-00-0	Not Found		ppbv
	1,1,2,2-Tetrachloroethane	0-00-0	Not Found		ppbv
	Propylbenzene	0-00-0	Not Found		ppbv
	1,2,3-Trichloropropane	0-00-0	Not Found		ppbv
	4-Ethyltoluene	0-00-0	Not Found		ppbv
	2-Chlorotoluene	108-41-8	Not Found		ppbv
	1,3,5-Trimethylbenzene	0-00-0	Not Found		ppbv
	3-Chlorotoluene	106-43-4	Not Found		ppbv
	tert-Butylbenzene	0-00-0	Not Found		ppbv
	1,2,4-Trimethylbenzene	0-00-0	Not Found		ppbv
	Pentachloroethane	0-00-0	Not Found		ppbv
	sec-Butylbenzene	0-00-0	Not Found		ppbv
	p-Cymene	0-00-0	Not Found		ppbv
	1,3-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,4-Dichlorobenzene	0-00-0	Not Found		ppbv
	1,2,3-Trimethylbenzene	95-63-6	Not Found		ppbv
	alpha-Chlorotoluene	0-00-0	Not Found		ppbv
	Indan	0-00-0	Not Found		ppbv

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1-800-985-5955

Media Certification Report

File/Canister #: F073047;6L #21076 w/10.2mL +T:1
Date: 7/31/2008 06:47:54

Peak #	Quantification	CAS	Type	Concentration	Units
	Butylbenzene	0-00-0	Not Found		ppbv
	1,2-Dichlorobenzene	0-00-0	Not Found		ppbv
	Indene	0-00-0	Not Found		ppbv
	1,2-Dibromo-3-chloropropane	0-00-0	Not Found		ppbv
	1,2,4-Trichlorobenzene	0-00-0	Not Found		ppbv
	Hexachlorobutadiene	0-00-0	Not Found		ppbv
	Naphthalene	0-00-0	Not Found		ppbv
2	Butane	55771-40-9	Quantified	0.16	ppbv
4	Isopentane	343928-70-1	Quantified	0.07	ppbv
7	Carbon Disulfide	75-15-0	Quantified	0.01	ppbv
11	Methylene Chloride	54934-66-6	Quantified	0.04	ppbv
14	Hexane	56053-19-1	Quantified	0.06	ppbv
15	Bromochloromethane-IS	74-97-5	Quantified	2.50	ppbv
16	Benzene	38254-70-5	Quantified	0.02	ppbv
17	1,2-Dichloroethane-d4	930-29-0	Quantified	2.69	ppbv
19	Heptane	56053-19-1	Quantified	0.04	ppbv
20	1,4-Difluorobenzene-IS	540-36-3	Quantified	2.50	ppbv
21	1-Butanol	145068-33-3	Quantified	0.00	ppbv
23	Trichloroethene	127118-56-3	Quantified	0.03	ppbv
24	Toluene-D8	2037-26-5	Quantified	2.41	ppbv
27	Chlorobenzene-d5-IS	3114-55-4	Quantified	2.50	ppbv
30	Bromofluorobenzene	1073-06-9	Quantified	2.43	ppbv

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0808157

A_1	A_2	R	T	M	Q	
☐	☐	☑	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
		☑	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
		☑	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
N/A	☐	N/A	☐	☐	☐	Corrective Action issued - #
☑	☐	☑	☐	☑	☐	Unusual circumstances have been documented in the notes section below

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

☑	☐	☑	☐	☐	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☑	☐	☑	☐	☐	☐	Hold time is met for all samples 8/20
		N/A	☐	☐	☐	Appropriate data qualifier flags are applied
		N/A	☐	☐	☐	Manual integrations for samples and QC are properly documented
☑	☐	☑	☐		☐	Samples analyzed within the project or method specific clock 24hr
		☑	☐			Retention times have been verified
☐	☐	☑	☐		☐	Appropriate ICAL(s) included
		☑	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data
☐	☐	☑	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☐	☑	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
		☑	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
		N/A	☐			TICs resemble reference spectra
		☐	☐			TICs between duplicate samples are consistent
☐	☐	☐	☐	☐	☐	Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
☑	☐	☑	☐			Data for multiple analyses of sample(s) has been evaluated for comparability of results
		N/A		☐		Special units for all samples in the final report are correctly calculated
		☐	☐	☐		Manually entered results checked (i.e. TPH/NMOC)
☑	☐	☑				Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
		☑				Chain of Custody scanned correctly
				☐		Verify sample id's vs. chain of custody
☑	☐	☑				Samples pressurized w/ appropriate gas (N_2 or He) ☐ Other (i.e. Tedlar bag, cartridge, sorbent)
☑	☐	☑				Final pressure consistent with canister size (6L vs. 1L) 5
☑	☐	☑				Verify receipt pressures
☐	☐	☑				Verify canister ID #'s
		☑		☑		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: D out in CCV

Pink Sheet

M/Q:

A_1/A_2	R/T	M	Q
C Taylor 8-18-08			
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
A_1: 8-17-08	R: 8/19/08	8/19/08	

A_2: T:

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 07/28/08

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

Not Applicable