
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 #: 0808670

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	9/16/08
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0808670

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:	08/29/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	09/12/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AMS 3 UW	Modified TO-15	9.5 "Hg	5 psi
02A	AMS 5 DW	Modified TO-15	8.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 09/12/08

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: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0808670

Two 6 Liter Summa Canister samples were received on August 29, 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

There were no receiving discrepancies.

Analytical Notes

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

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
AMS 3 UW	0808670-01A	8/27/2008	8/29/2008	NA	13	9/ 9/2008	NA	Good
AMS 5 DW	0808670-02A	8/27/2008	8/29/2008	NA	13	9/ 9/2008	NA	Good
Lab Blank	0808670-03A	NA	NA	NA	NA	9/ 9/2008	NA	Good
CCV	0808670-04A	NA	NA	NA	NA	9/ 9/2008	NA	Good
LCS	0808670-05A	NA	NA	NA	NA	9/ 9/2008	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 UW

Lab ID#: 0808670-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.98	1.0	3.7	3.9
Acetone	3.9	9.2	9.3	22

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 UW

Lab ID#: 0808670-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090910**	**Date of Collection:**	**8/27/08**
Dil. Factor:	**1.96**	**Date of Analysis:**	**9/9/08 03:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
Bromomethane	0.98	Not Detected	3.8	Not Detected
Chloroethane	0.98	Not Detected	2.6	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
Methylene Chloride	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
Benzene	0.98	Not Detected	3.1	Not Detected
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
Toluene	0.98	1.0	3.7	3.9
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	Not Detected	4.2	Not Detected
m,p-Xylene	0.98	Not Detected	4.2	Not Detected
o-Xylene	0.98	Not Detected	4.2	Not Detected
Styrene	0.98	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3 UW

Lab ID#: 0808670-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090910**	**Date of Collection: 8/27/08**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/9/08 03:56 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.98	Not Detected	4.0	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
Chloromethane	3.9	Not Detected	8.1	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
Acetone	3.9	9.2	9.3	22
Carbon Disulfide	0.98	Not Detected	3.0	Not Detected
2-Propanol	3.9	Not Detected	9.6	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.98	Not Detected	2.9	Not Detected
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.98	Not Detected	4.0	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
Ethanol	3.9	Not Detected	7.4	Not Detected
Methyl tert-butyl ether	0.98	Not Detected U J	3.5	Not Detected U J
3-Chloropropene	3.9	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.98	Not Detected	4.6	Not Detected
Naphthalene	3.9	Not Detected	20	Not Detected

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09sep.b/t090910.d
Lab Smp Id: 0808670-01A
Inj Date : 09-SEP-2008 15:56
Operator : ra Inst ID: msdt.i
Smp Info : 200mL #33911
Misc Info : 9.5"Hg -> 5psi
Comment :
Method : /var/chem/msdt.i/t-09sep.b/t14q903a.m
Meth Date : 09-Sep-2008 10:01 sruth Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.d
Als bottle: 1
Dil Factor: 1.96000
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
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	284647	25.0000		80.00- 120.00	100.00
14.036	14.036 (1.000)	128	218686			27.14- 127.14	76.83
14.036	14.036 (1.000)	49	303203			62.65- 162.65	106.52
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1189604	25.0000		80.00- 120.00	100.00
15.474	15.474 (1.000)	88	165116			0.00- 63.91	13.88
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.787	19.787 (1.000)	117	1313047	25.0000		80.00- 120.00	100.00
19.787	19.787 (1.000)	82	626094			0.00- 98.89	47.68
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.893	14.893 (1.061)	65	239325	23.8727	23.873	80.00- 120.00	100.00
14.893	14.893 (1.061)	67	134979			12.42- 112.42	56.40
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.741	17.741 (1.147)	98	1213077	25.0413	25.041	80.00- 120.00	100.00
17.741	17.713 (1.147)	70	108331			0.00- 59.06	8.93

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.741	17.741 (1.147)	100	832429			18.20- 118.20	68.62
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.075)	174	809489	25.4007	25.401	80.00- 120.00	100.00
21.280	21.280 (1.075)	95	946670			70.24- 170.24	116.95
21.280	21.280 (1.075)	176	786646			46.72- 146.72	97.18
45 Acetone					CAS #: 67-64-1		
10.690	10.663 (0.762)	58	28697	4.67529	9.164	80.00- 120.00	100.00
10.690	10.663 (0.762)	43	98674			266.99- 366.99	343.84
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	36292	0.52383	1.027	80.00- 120.00	100.00
17.824	17.824 (1.152)	92	21656			10.37- 110.37	59.67

Report Date: 12-Sep-2008 12:20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090910.d
Lab Smp Id: 0808670-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 9.5"Hg -> 5psi

Calibration Date: 09-SEP-2008
Calibration Time: 09:25
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	277943	166766	389120	284647	2.41
95 1,4-Difluorobenze	1225262	735157	1715367	1189604	-2.91
123 Chlorobenzene-d5	1263034	757820	1768248	1313047	3.96

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.79	19.46	20.12	19.79	0.00

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

Report Date: 12-Sep-2008 12:20

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808670-01A
Level: LOW Operator: ra
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 9.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.873	95.49	70-130
$ 111 Toluene-d8	25.000	25.041	100.17	70-130
$ 136 Bromofluorobenzene	25.000	25.401	101.60	70-130

Data File: /chem/msdt.i/t-09sep.b/t090910.d

Date : 09-SEP-2008 15:56

Client ID:

Sample Info: 200mL #33911

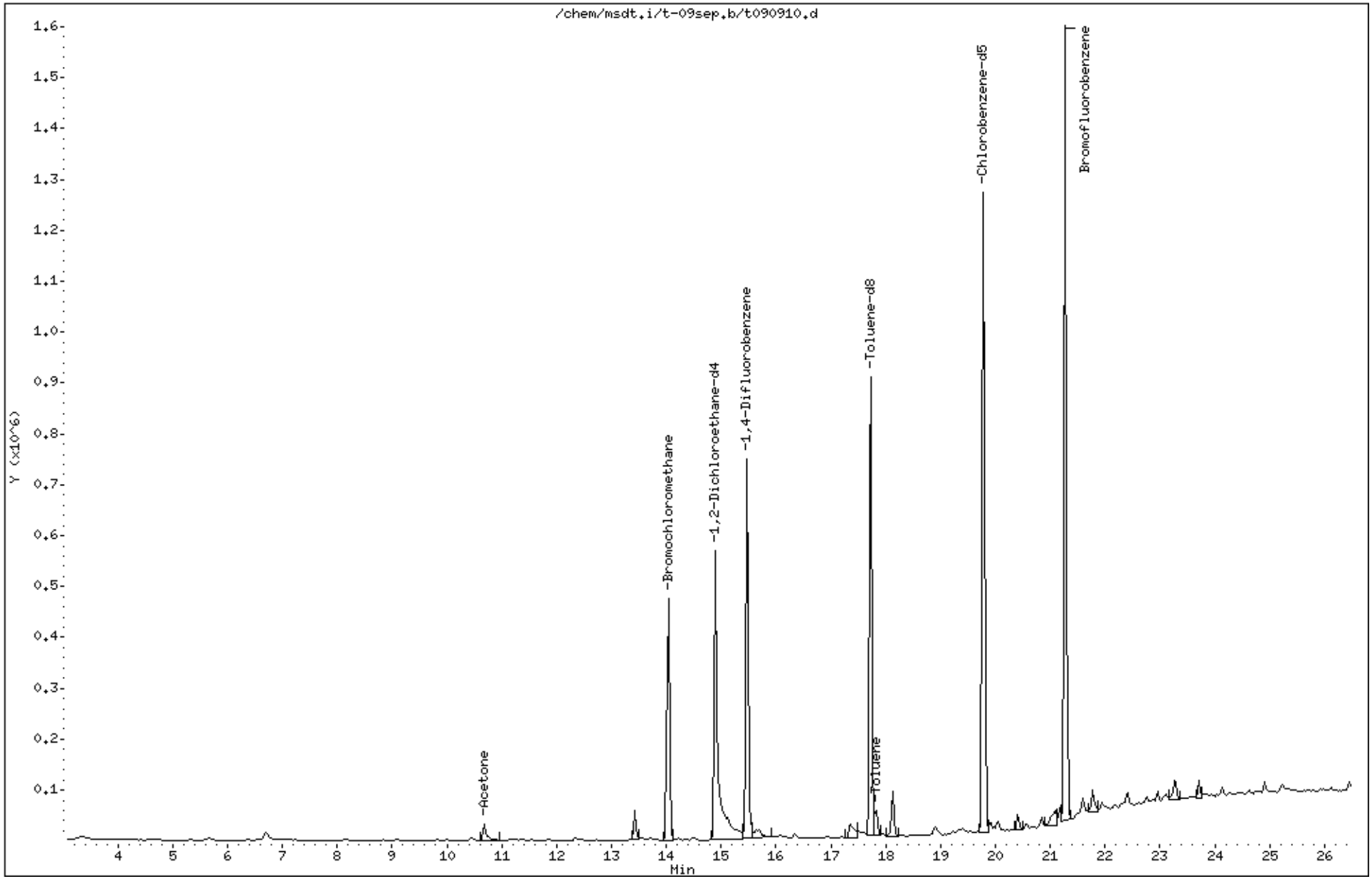
Column phase: RTx-624

Instrument: msdt.i

Operator: ra

Column diameter: 0.53

0013



Data File: /chem/msdt.i/t-09sep.b/t090910.d

Date : 09-SEP-2008 15:56

Client ID:

Instrument: msdt.i

Sample Info: 200mL #33911

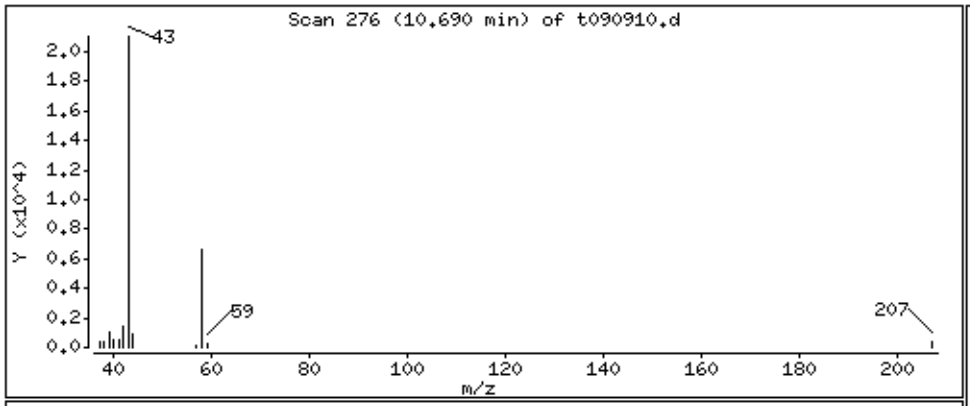
Operator: ra

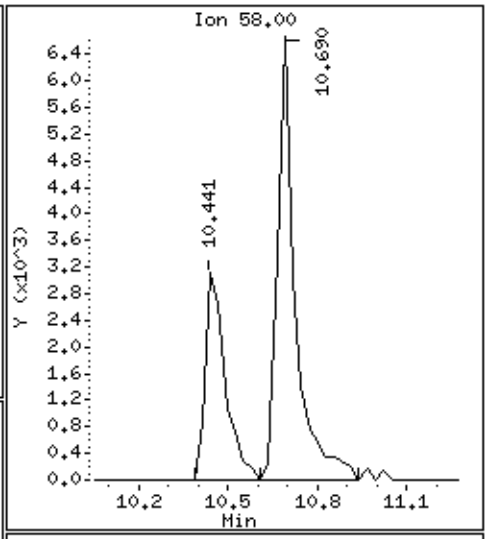
Column phase: RTx-624

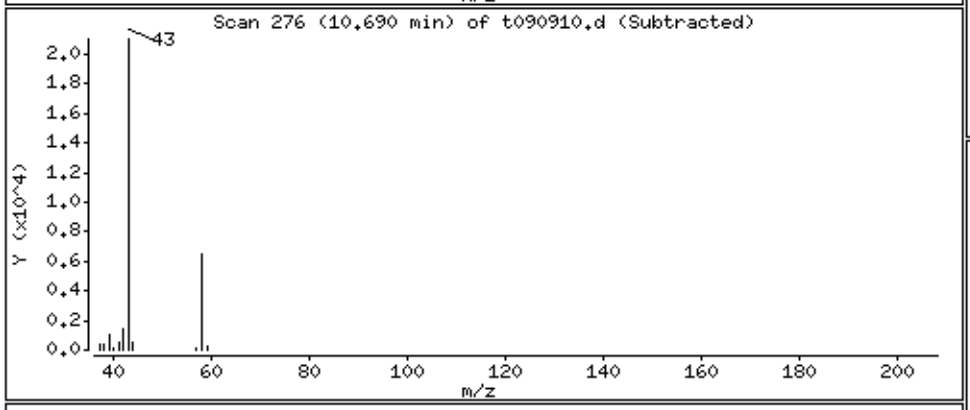
Column diameter: 0.53

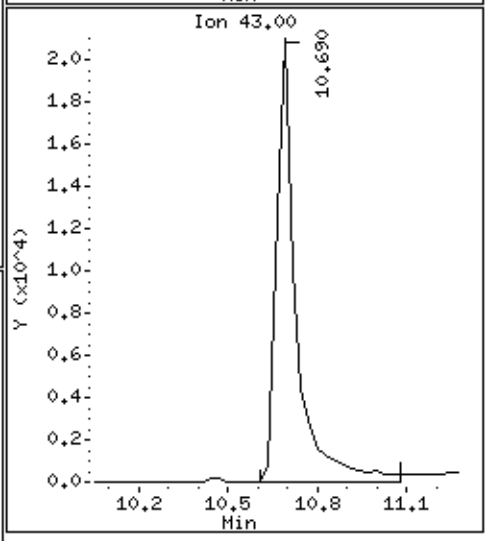
45 Acetone

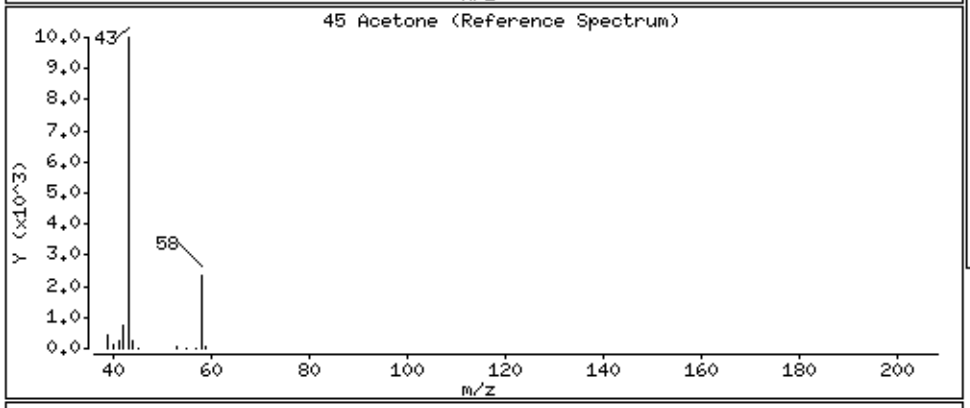
Concentration: 9.164 PPBV

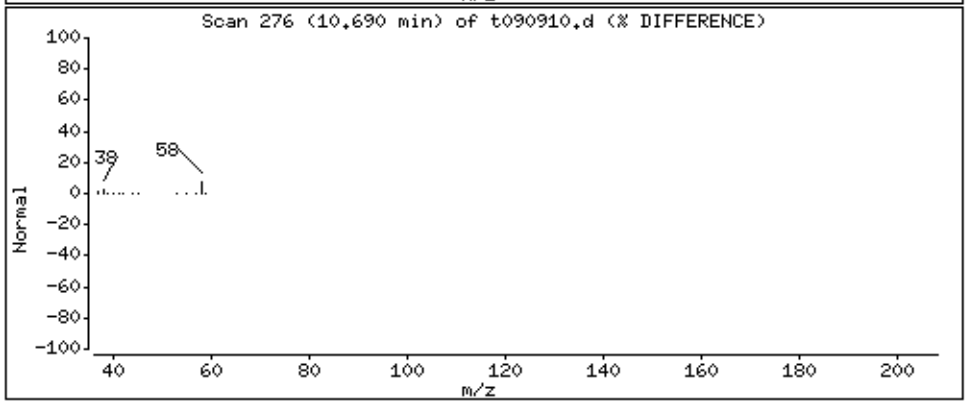












Data File: /chem/msdt.i/t-09sep.b/t090910.d

Date : 09-SEP-2008 15:56

Client ID:

Instrument: msdt.i

Sample Info: 200mL #33911

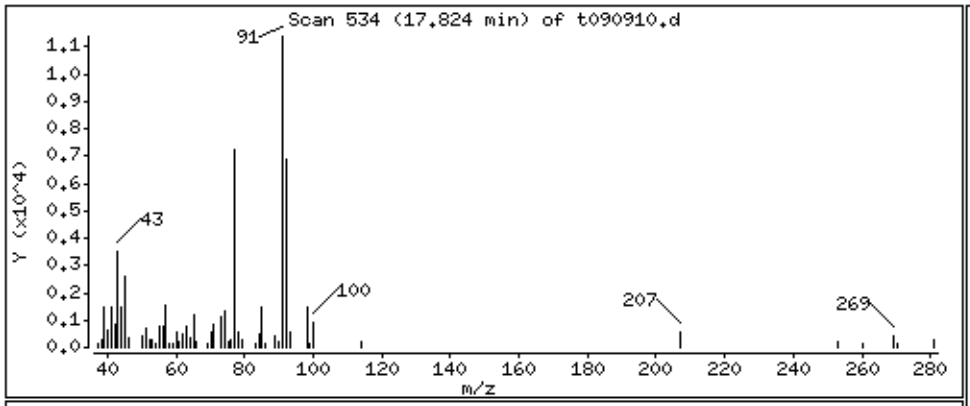
Operator: ra

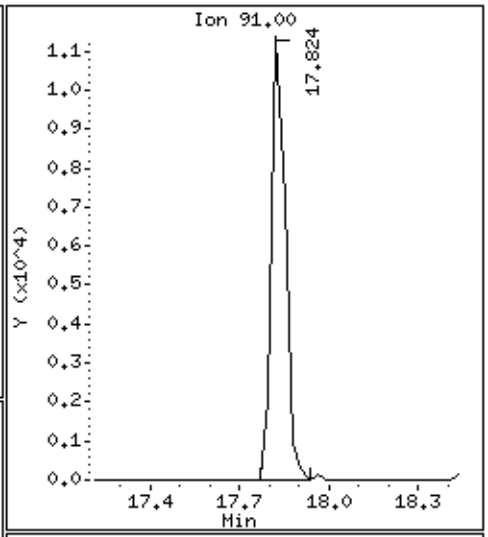
Column phase: RTx-624

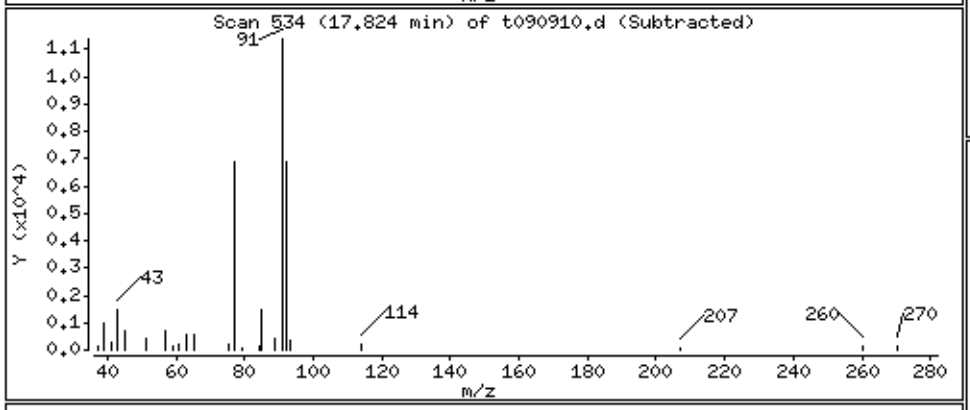
Column diameter: 0.53

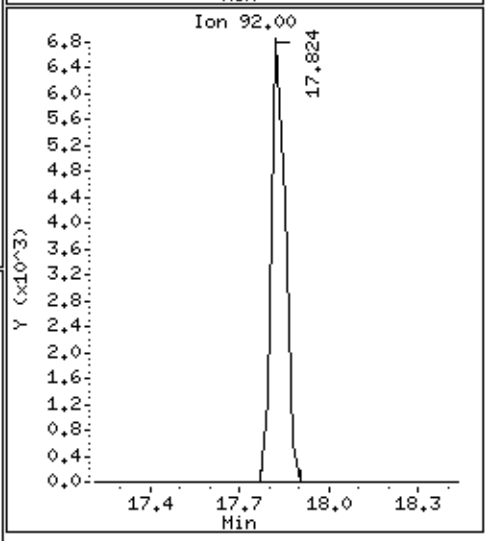
114 Toluene

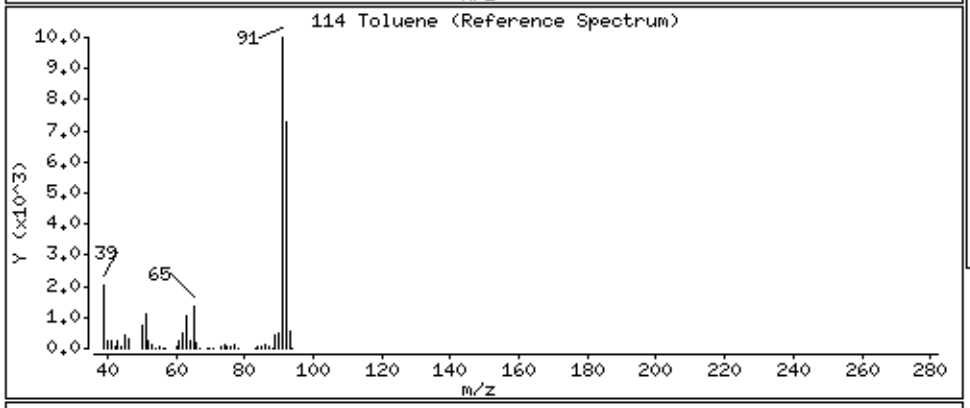
Concentration: 1.027 PPBV

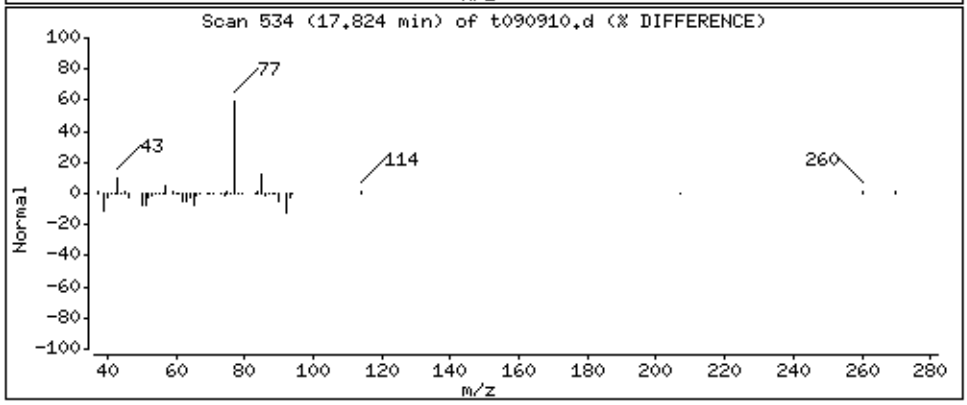












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 5 DW

Lab ID#: 0808670-02A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 5 DW

Lab ID#: 0808670-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090911**	**Date of Collection:**	**8/27/08**
Dil. Factor:	**1.87**	**Date of Analysis:**	**9/9/08 04:36 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 5 DW

Lab ID#: 0808670-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090911**	**Date of Collection: 8/27/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 9/9/08 04:36 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	Not Detected	8.9	Not Detected
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Methyl tert-butyl ether	0.94	Not Detected U J	3.4	Not Detected U J
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

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09sep.b/t090911.d
Lab Smp Id: 0808670-02A
Inj Date : 09-SEP-2008 16:36
Operator : ra Inst ID: msdt.i
Smp Info : 200mL #14111
Misc Info : 8.5"Hg -> 5psi
Comment :
Method : /var/chem/msdt.i/t-09sep.b/t14q903a.m
Meth Date : 09-Sep-2008 10:01 sruth Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	294948	25.0000		80.00- 120.00	100.00
14.036	14.036 (1.000)	128	228082			27.14- 127.14	77.33
14.036	14.036 (1.000)	49	314725			62.65- 162.65	106.71
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1181556	25.0000		80.00- 120.00	100.00
15.474	15.474 (1.000)	88	163597			0.00- 63.91	13.85
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.787	19.787 (1.000)	117	1296067	25.0000		80.00- 120.00	100.00
19.787	19.787 (1.000)	82	628175			0.00- 98.89	48.47
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.893	14.893 (1.061)	65	237421	22.8556	22.856	80.00- 120.00	100.00
14.893	14.893 (1.061)	67	137370			12.42- 112.42	57.86
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.741	17.741 (1.147)	98	1216234	25.2775	25.277	80.00- 120.00	100.00
17.741	17.713 (1.147)	70	106814			0.00- 59.06	8.78

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.741	17.741 (1.147)	100	827829			18.20- 118.20	68.06
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.075)	174	783867	24.9190	24.919	80.00- 120.00	100.00
21.280	21.280 (1.075)	95	922274			70.24- 170.24	117.66
21.280	21.280 (1.075)	176	757502			46.72- 146.72	96.64

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090911.d
Lab Smp Id: 0808670-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 8.5"Hg -> 5psi

Calibration Date: 09-SEP-2008
Calibration Time: 09:25
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	277943	166766	389120	294948	6.12
95 1,4-Difluorobenze	1225262	735157	1715367	1181556	-3.57
123 Chlorobenzene-d5	1263034	757820	1768248	1296067	2.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.79	19.46	20.12	19.79	0.00

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

Report Date: 12-Sep-2008 12:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0808670-02A
Level: LOW Operator: ra
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15N.sub
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 8.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	22.856	91.42	70-130
$ 111 Toluene-d8	25.000	25.277	101.11	70-130
$ 136 Bromofluorobenzene	25.000	24.919	99.68	70-130

Data File: /chem/msdt.i/t-09sep.b/t090911.d

Date : 09-SEP-2008 16:36

Client ID:

Sample Info: 200mL #14111

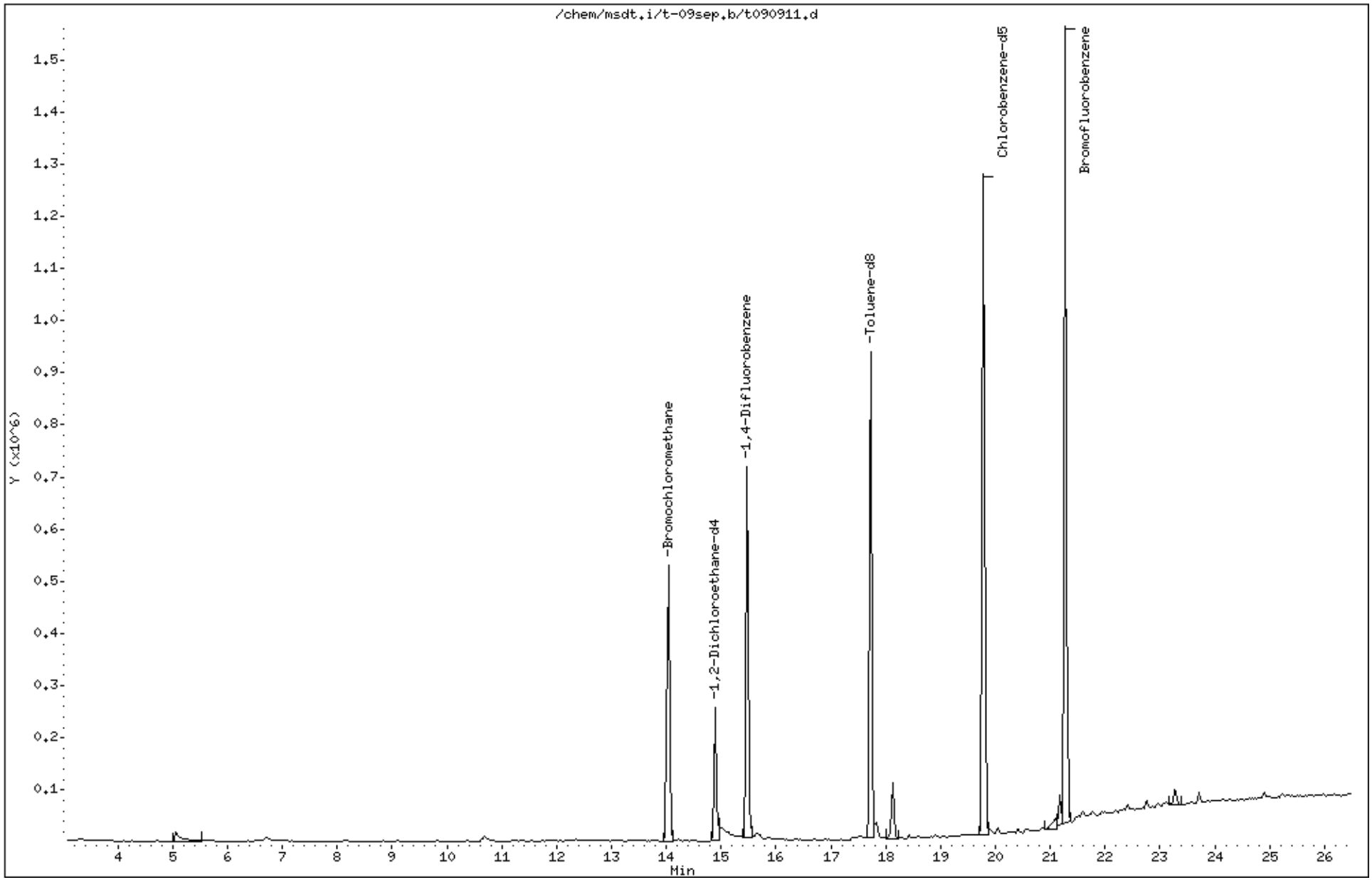
Column phase: RTx-624

Instrument: msdt.i

Operator: ra

Column diameter: 0.53

0023



QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0808670-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 10:55 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#: 0808670-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 10:55 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 U J	1.8	Not Detected U J
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /var/chem/msdt.i/t-09sep.b/t090904.d
Lab Smp Id: Lab blank Client Smp ID: Lab blank
Inj Date : 09-SEP-2008 10:55
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #9943
Misc Info : humid
Comment :
Method : /var/chem/msdt.i/t-09sep.b/t14q903a.m
Meth Date : 09-Sep-2008 10:01 sruth Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	288120	25.0000		80.00- 120.00	100.00
14.036	14.036 (1.000)	128	222233			27.14- 127.14	77.13
14.036	14.036 (1.000)	49	313025			62.65- 162.65	108.64
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1186611	25.0000		80.00- 120.00	100.00
15.474	15.474 (1.000)	88	162290			0.00- 63.91	13.68
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.787	19.787 (1.000)	117	1270747	25.0000		80.00- 120.00	100.00
19.787	19.787 (1.000)	82	622181			0.00- 98.89	48.96
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.893	14.893 (1.061)	65	237109	23.3665	23.366	80.00- 120.00	100.00
14.893	14.893 (1.061)	67	136766			12.42- 112.42	57.68
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.741	17.741 (1.147)	98	1218293	25.2124	25.212	80.00- 120.00	100.00
17.713	17.713 (1.145)	70	107961			0.00- 59.06	8.86

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.741	17.741 (1.147)	100	829373			18.20- 118.20	68.08
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.075)	174	745083	24.1580	24.158	80.00- 120.00	100.00
21.280	21.280 (1.075)	95	893456			70.24- 170.24	119.91
21.280	21.280 (1.075)	176	723100			46.72- 146.72	97.05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090904.d
Lab Smp Id: Lab blank
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: humid

Calibration Date: 09-SEP-2008
Calibration Time: 09:25
Client Smp ID: Lab blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	277943	166766	389120	288120	3.66
95 1,4-Difluorobenze	1225262	735157	1715367	1186611	-3.15
123 Chlorobenzene-d5	1263034	757820	1768248	1270747	0.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.79	19.46	20.12	19.79	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: 09-Sep-2008 11:03

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab blank Client Smp ID: Lab blank
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: humid

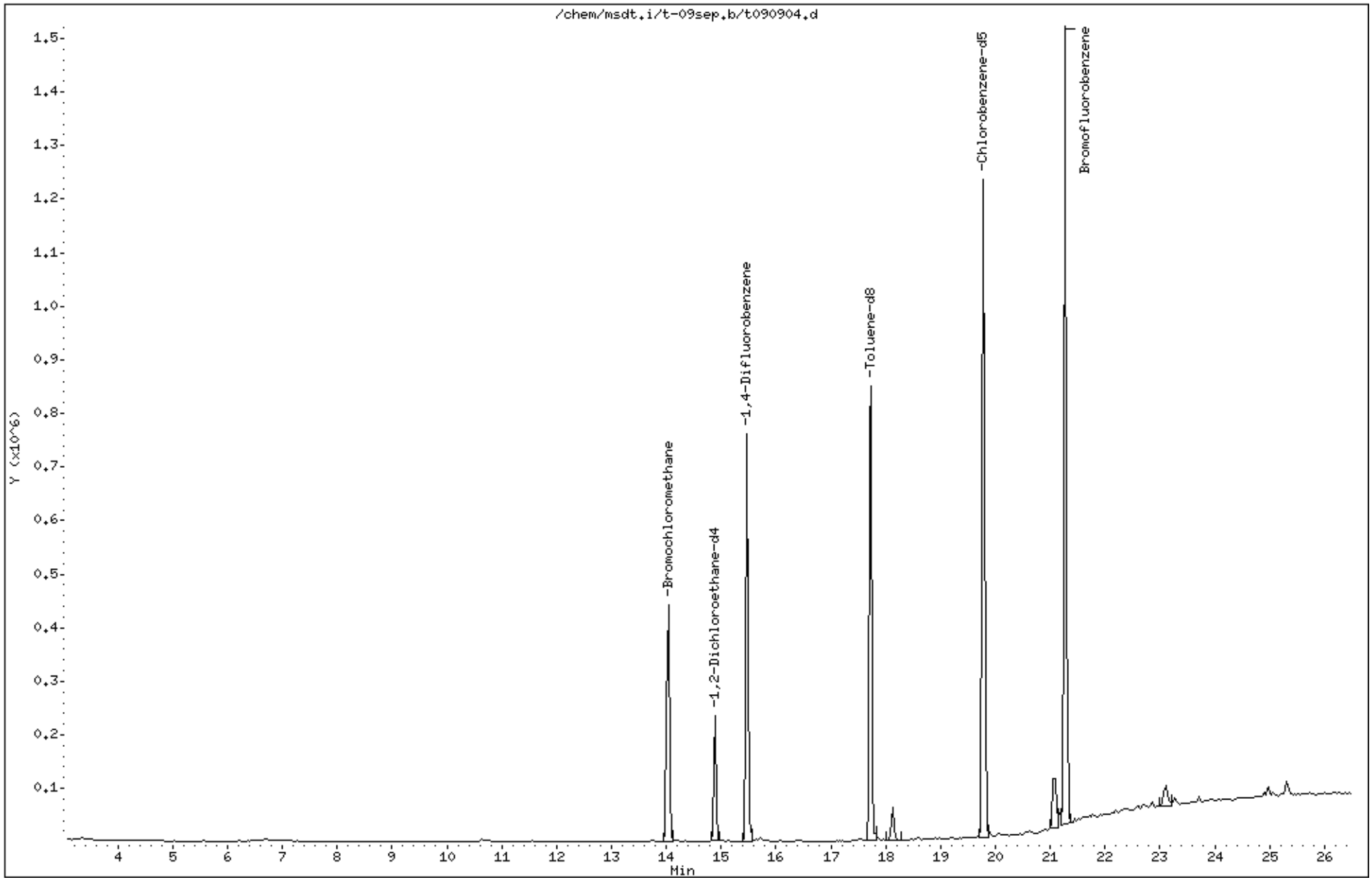
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.366	93.47	70-130
$ 111 Toluene-d8	25.000	25.212	100.85	70-130
$ 136 Bromofluorobenzene	25.000	24.158	96.63	70-130

0031

Data File: /chem/msdt.i/t-09sep.b/t090904.d
Date : 09-SEP-2008 10:55
Client ID: Lab blank
Sample Info: 200mL #9943

Instrument: msdt.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0808670

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS 3 UW	95		100		102				0
02	AMS 5 DW	91		101		100				0
03	Lab Blank	93		101		97				0
04	CCV	101		100		94				0
05	LCS	102		100		95				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0808670

Lab File ID: t090902.d | Date Analyzed: 09/09/2008

Instrument ID: msdt.i | Time Analyzed: 09:25 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1263034		19.79		1225262		15.47		277943		14.04	
	UPPER LIMIT	1768248		20.12		1715367		15.80		389120		14.37	
	LOWER LIMIT	757820		19.46		735157		15.14		166766		13.71	
	CLIENT SAMPLE NO												
01	AMS 3 UW	1313047		19.79		1189604		15.47		284647		14.04	
02	AMS 5 DW	1296067		19.79		1181556		15.47		294948		14.04	
03	Lab Blank	1270747		19.79		1186611		15.47		288120		14.04	
04	CCV	1263034		19.79		1225262		15.47		277943		14.04	
05	LCS	1290459		19.79		1257463		15.47		275876		14.04	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/t-03sep.b/t090302.d
Level 2: /chem/msdt.i/t-03sep.b/t090303.d
Level 3: /chem/msdt.i/t-03sep.b/t090304.d
Level 4: /chem/msdt.i/t-03sep.b/t090305.d
Level 5: /chem/msdt.i/t-03sep.b/t090306.d
Level 6: /chem/msdt.i/t-03sep.b/t090307.d
Level 7: /chem/msdt.i/t-03sep.b/t090308.d

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
10 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
12 Propylene	+++++	+++++	0.85745	0.78615	0.74623	0.72767	0.67308	0.75812	9.080
13 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Dichlorodifluoromethane/Fr12	+++++	2.48861	2.32399	2.43978	2.30765	2.21997	2.02912	2.30152	7.153
15 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 Freon 114	+++++	2.03198	2.02598	1.99924	1.94591	1.91042	1.73693	1.94174	5.711

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Compound	0.25000 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 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
21 Chloromethane	+++++	+++++	0.93048	0.91799	0.89982	0.84927	0.79218	0.87795	6.498
22 Butane	+++++	+++++	0.18943	0.18623	0.18498	0.18916	0.17692	0.18535	2.739
23 Vinyl Chloride	+++++	0.98231	0.91511	1.01711	0.96213	0.91789	0.84120	0.93929	6.579
24 1,3-Butadiene	0.88623	0.58091	0.62266	0.67814	0.67024	0.70935	0.68339	0.69013	13.985
25 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Bromomethane	+++++	0.86232	0.83544	0.98168	0.93488	0.89657	0.80860	0.88658	7.268
27 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 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 Chloroethane	+++++	0.51597	0.53844	0.59258	0.57664	0.56174	0.52163	0.55117	5.592
29 Isopentane	+++++	+++++	1.31489	1.24625	1.21659	1.18681	1.16646	1.22620	4.734
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Trichlorofluoromethane/Fr11	+++++	2.32943	2.13396	2.25571	2.25425	2.27460	2.19511	2.24051	3.021
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 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 Ethanol	+++++	+++++	0.30511	0.41005	0.42704	0.43598	0.41649	0.39893	13.380
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 Freon 113	+++++	1.93326	1.76889	1.93349	1.89806	1.85159	1.76958	1.85915	4.079
44 1,1-Dichloroethene	+++++	1.42121	1.33741	1.45579	1.42951	1.42507	1.38789	1.40948	2.940
45 Acetone	+++++	+++++	0.60394	0.56554	0.52859	0.50389	0.49349	0.53909	8.467
46 2-Propanol	+++++	+++++	1.76963	2.09776	2.02181	1.97866	1.94700	1.96297	6.214
47 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 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 Carbon Disulfide	+++++	3.42725	3.36033	3.38860	3.38551	3.32161		
	3.07233						3.32594	3.880
49 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
50 3-Chloropropene	+++++	+++++	0.41593	0.52305	0.49859	0.46930		
	0.45744						0.47286	8.637
51 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
52 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
53 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 Methylene Chloride	+++++	1.39676	1.21619	1.22943	1.22331	1.24426		
	1.20267						1.25210	5.766
55 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
56 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
57 tert-Butyl-Alcohol	+++++	+++++	1.87792	1.35527	1.31179	1.03173		
	0.78328						1.27200	32.229

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Curve Type : Average

Compound	0.25000 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 MTBE	+++++	2.17249	1.37136	1.27979	1.50251	1.46112	1.31399	1.51688	21.899
59 trans-1,2-Dichloroethene	+++++	1.42326	1.42305	1.39458	1.31907	1.22286	1.14789	1.32179	8.684
60 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Hexane	+++++	2.66999	2.22863	2.45546	2.24765	2.03982	1.77677	2.23639	13.942
65 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Vinyl Acetate	+++++	+++++	0.22576	0.40908	0.38572	0.35690	0.31516	0.33853	21.304

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Compound	0.25000 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							
68 1,1-Dichloroethane	+++++	2.19880	2.05162	2.27301	2.13179	1.99969		
	1.86649						2.08690	6.997
69 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
70 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
71 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
72 t-Butylethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
73 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
74 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
75 2-Butanone	+++++	0.56206	0.63532	0.80276	0.76307	0.70095		
	0.61828						0.68041	13.490
76 cis-1,2-Dichloroethene	+++++	1.69310	1.61138	1.78851	1.69601	1.55945		
	1.43564						1.63068	7.588
77 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.25000 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
78 Tetrahydrofuran	+++++	2.23855	1.87283	1.97125	1.84959	1.71024	1.58570	1.87136	12.017
80 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
81 Chloroform	3.04960	2.43972	2.23014	2.39734	2.28678	2.15092	1.99807	2.36465	14.238
82 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	+++++	2.36825	2.22987	2.48287	2.42011	2.32935	2.11343	2.32398	5.762
84 Cyclohexane	+++++	2.50447	2.30183	2.51116	2.38687	2.21131	1.86388	2.29659	10.522
85 Carbon Tetrachloride	+++++	2.27102	2.10020	2.38855	2.34847	2.26642	2.11298	2.24794	5.293
86 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 2,2,4-Trimethylpentane	+++++	9.39703	8.31075	8.81067	8.09987	7.35830	6.26225	8.03981	13.780

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Compound	0.25000 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
89 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
91 Benzene	1.53260	1.23075	1.07982	1.13931	1.10078	1.05795	0.94951	1.15582	16.140
92 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 1,2-Dichloroethane	+++++	0.32576	0.29852	0.32451	0.31991	0.31890	0.32028	0.31798	3.118
94 Heptane	+++++	0.46376	0.41601	0.43900	0.43311	0.41893	0.37750	0.42472	6.773
96 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
97 Trichloroethene	+++++	0.49759	0.43504	0.45636	0.44709	0.43668	0.41604	0.44813	6.190
98 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 Methyl Cyclohexane	+++++	3.62636	3.30331	3.57108	3.41736	3.23597	2.87925	3.33889	8.101
100 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 1,2-Dichloropropane	+++++	0.45041	0.41060	0.42606	0.41511	0.40081	0.37992	0.41382	5.738
103 1,4-Dioxane	+++++	+++++	0.25466	0.29485	0.29247	0.29024	0.28329	0.28310	5.820
104 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 Bromodichloromethane	+++++	0.61347	0.56082	0.60500	0.60079	0.59450	0.57974	0.59239	3.234
107 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 cis-1,3-Dichloropropene	+++++	0.61183	0.54197	0.58087	0.58353	0.57824	0.55565	0.57535	4.214
110 4-Methyl-2-pentanone	+++++	0.38196	0.33449	0.39939	0.39629	0.38662	0.35805	0.37613	6.675

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Compound	0.25000 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 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Toluene	+++++	1.57658	1.39718	1.48279	1.46529	1.44781	1.36632	1.45600	5.039
115 trans-1,3-Dichloropropene	+++++	0.52418	0.47640	0.57464	0.55800	0.54725	0.52995	0.53507	6.380
116 1,1,2-Trichloroethane	+++++	0.57399	0.48420	0.52560	0.50209	0.48759	0.46195	0.50590	7.795
117 Tetrachloroethene	+++++	0.80142	0.72544	0.77618	0.76625	0.76053	0.70643	0.75604	4.577
118 2-Hexanone	+++++	+++++	0.50567	0.62462	0.59619	0.57654	0.53296	0.56719	8.448
119 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
121 Dibromochloromethane	+++++	0.76629	0.68119	0.80014	0.78293	0.78414	0.74845	0.76052	5.610

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 1,2-Dibromoethane	1.06443	0.81537	0.71279	0.79654	0.78521	0.78085	0.74765	0.81469	14.137
124 Chlorobenzene	+++++	1.49831	1.25125	1.36293	1.33553	1.33663	1.27170	1.34272	6.503
125 Ethyl Benzene	+++++	0.76507	0.67092	0.73946	0.72027	0.72438	0.69492	0.71917	4.596
126 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 m,p-Xylene	+++++	1.01554	0.84392	0.92572	0.90919	0.91207	0.85877	0.91087	6.656
129 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 o-Xylene	+++++	0.97916	0.80174	0.88917	0.87344	0.87488	0.80063	0.86984	7.589
131 Styrene	2.03156	1.49344	1.19731	1.41302	1.42337	1.43561	1.30721	1.47164	18.050
132 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 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 Bromoform	+++++	0.87727	0.69833	0.83219	0.85295	0.88472	0.84614	0.83193	8.211
134 Cumene	3.65359	2.71418	2.20089	2.39192	2.37793	2.39986	2.12974	2.55259	20.359
135 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
137 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,1,2,2-Tetrachloroethane	+++++	1.57858	1.16475	1.21491	1.21460	1.21817	1.16918	1.26003	12.531
139 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 Propylbenzene	+++++	3.37136	2.61857	2.91022	2.89993	2.88767	2.19289	2.81344	13.827
141 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 4-Ethyltoluene	+++++	3.13980	2.48713	2.75366	2.72291	2.81258	2.44357	2.72661	9.225
145 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 1,3,5-Trimethylbenzene	3.78143	2.71240	1.99056	2.12087	2.17332	2.19480	2.10333	2.43953	26.044
147 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
148 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 1,2,4-Trimethylbenzene	3.51668	2.48266	1.82748	1.97275	2.00099	2.06989	1.98808	2.26550	25.960
153 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 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 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
157 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
158 1,3-Dichlorobenzene	+++++	1.94351	1.37470	1.47187	1.50630	1.60619	1.60164	1.58403	12.386
159 1,4-Dichlorobenzene	+++++	2.13655	1.37537	1.45091	1.50233	1.58658	1.58871	1.60674	16.934
160 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 alpha-Chlorotoluene	+++++	2.02115	1.55340	1.75496	1.83337	1.92642	1.91117	1.83341	8.946
163 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 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 1,2-Dichlorobenzene	+++++	1.95730	1.29946	1.33214	1.38266	1.46698	1.45761	1.48269	16.309
165 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
166 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 1,2,4-Trichlorobenzene	+++++	+++++	1.10566	1.01597	1.12067	1.22942	1.27549	1.14944	9.004
170 Hexachlorobutadiene	+++++	+++++	0.87829	0.80710	0.87737	0.95217	0.92520	0.88803	6.233
171 Naphthalene	+++++	+++++	2.17709	2.01705	2.20568	2.34533	2.45961	2.24095	7.539
172 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/t-03sep.b/t14q903a.m
Cal Date : 08-Sep-2008 09:54 ctaylor
Curve Type : Average

Compound	0.25000 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
174 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	0.86515	0.86071	0.85009	0.88707	0.88851	0.89121	0.92064	0.88048	2.698
$ 111 Toluene-d8	1.01810	1.01018	1.01589	0.99514	1.02310	1.03128	1.03266	1.01805	1.271
$ 136 Bromofluorobenzene	0.62416	0.60710	0.59819	0.59174	0.60274	0.60876	0.61471	0.60677	1.761

Calibration History

Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Start Cal Date: 03-SEP-2008 12:55
End Cal Date : 03-SEP-2008 16:35

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.25000		
03-SEP-2008 12:55	AFCEElow	/chem/msdt.i/t-03sep.b/t090302.d
Cal Level: 2 , Cal Amount: 0.50000		
03-SEP-2008 13:30	AT08low	/chem/msdt.i/t-03sep.b/t090303.d
Cal Level: 3 , Cal Amount: 2.00000		
03-SEP-2008 14:06	AT08mdl	/chem/msdt.i/t-03sep.b/t090304.d
Cal Level: 4 , Cal Amount: 25.00000		
03-SEP-2008 14:46	AT08mdl	/chem/msdt.i/t-03sep.b/t090305.d
Cal Level: 5 , Cal Amount: 50.00000		
03-SEP-2008 15:21	AT08	/chem/msdt.i/t-03sep.b/t090306.d
Cal Level: 6 , Cal Amount: 100.00000		
03-SEP-2008 16:00	AT08	/chem/msdt.i/t-03sep.b/t090307.d
Cal Level: 7 , Cal Amount: 200.00000		
03-SEP-2008 16:35	AT08	/chem/msdt.i/t-03sep.b/t090308.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000
03-SEP-2008 15:21 | AT08 | /chem/msdt.i/t-03sep.b/t090306.d
Ccal Level: 5 , Ccal Amount: 50.000
03-SEP-2008 14:06 | AT08mdl | /chem/msdt.i/t-03sep.b/t090304.d
Ccal Level: 5 , Ccal Amount: 50.000
03-SEP-2008 15:21 | AT08 | /chem/msdt.i/t-03sep.b/t090306a.d

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MSD-T

Logbook #: 1656

0054

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	16.73
75	30.0 – 60.0% of mass 95	34.59
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.85
173	Less than 2.0% of mass 174	(0.50)[1]
174	50.0 – 100% of mass 95	85.27
175	5.0 – 9.0% of mass 174	(7.03)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.66)[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: 9-3-08
BFB Injection Time: 1216
BFB File ID: T090301
Tekmar Purge Flow:
Vacuum: 7.06 x 10^-6

IS/S Std.#: 1541-253	Exp. Date: 12-3-08
BCM 300269	
1,4-DFB 1344091	
CB-d5 1375327	

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

Verify 176/174 m/z Ratio: 359680/368320 x 100 = 97.66

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1375140\ )}{(\ 1344091\ )} \times \frac{(\ 25\ )}{(\ 1.01805\ )} = 25.124$

File ID:	T090306a
Compound:	TO1-d8
Initials:	RA

Reported Result 25.124

Method: TH4903a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	T090301	BFB Tune Check	1476-476	50ng	2mL	1.00	RA	9-3-08	1216	RA/CP	
2	✓	02	ICAL level 1	1612-93	0.3ppbv	0.3mL				1255	RA CP	TH4903a
3	✓	03	ICAL level 2		0.5ppbv	0.5mL				1330	RA/CP	
4	✓	04	ICAL level 3		2.0ppbv	2.0mL				1406	RA CP	
5	✓	05	ICAL level 4		25ppbv	25mL				1446	RA/CP	
6	✓	06	ICAL level 5		50ppbv	50mL				1521	RA CP	
7	✓	07	ICAL level 6		100ppbv	100mL				1600	RA/CP	

RA
Signature

9-3-08
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1656

0055

8	✓	T090308	ICAL level 7	1612-93	200ppbv	200mL	1.00	RA	9-3-08	1635	RA/CP	
9	✓	09	System Blank	9943	Humid	200mL	1.00	KR		1711	KR	
10	✓	10	LCS	1612-124	50ppbv	50mL	1.00	KR		1747	KR	ICAL LCS
11	✓	11	System Blank	9943	Humid	200mL	1.00	KR		1849	KR	
12	✓	12	System Blank	1	1	1	1	KR		1932	KR	
13	✓	13	MDL 1	1612-137	0.5ppbv	50mL	1.00	KR		2042	RA/CP	
14	✓	14	2					KR		2123	RA/CP	
15	✓	15	3					KR		2159	RA/CP	
16	✓	16	4					KR		2237	RA/CP	
17	✓	17	5					KR		2313	RA/CP	
18	✓	18	6					DM		2350	RA/CP	
19	✓	19	7					DM		0028	RA/CP	
20	✓	20	8					DM		0106	RA/CP	
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31										RA	9-4-08	

Comments: Flow meter SN ~~200 7744~~ RA 9-3-08 USO3623372 exp. 1-24-09

	Actual	Nominal
	24.8	22.2

Flow Controller AA98123220

RA
Signature

9-4-08
Date

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-T on 09/03/2008.

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

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090310.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 03-SEP-2008 17:47
Operator : kr Inst ID: msdt.i
Smp Info : 50mL #1612-121
Misc Info : 200ppbv-->50ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:54 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	289726	25.0000		80.00- 120.00	100.00
14.036	14.036 (1.000)	128	222539			28.58- 128.58	76.81
14.008	14.008 (1.000)	49	329021			70.89- 170.89	113.56
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1328990	25.0000		80.00- 120.00	100.00
15.474	15.474 (1.000)	88	187350			0.00- 63.99	14.10
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.759	19.759 (1.000)	117	1266386	25.0000		80.00- 120.00	100.00
19.759	19.759 (1.000)	82	618051			0.00- 98.89	48.80
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.865	14.893 (1.059)	65	262402	25.7158	25.716	80.00- 120.00	100.00
14.865	14.865 (1.059)	67	169410			12.42- 112.42	64.56
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.713	17.713 (1.145)	98	1340481	24.7691	24.769	80.00- 120.00	100.00
17.713	17.713 (1.145)	70	120410			0.00- 59.06	8.98

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	911824			18.20- 118.20	68.02
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	749646	24.3896	24.390	80.00- 120.00	100.00
21.252	21.252 (1.076)	95	871818			66.47- 166.47	116.30
21.280	21.280 (1.077)	176	726123			46.76- 146.76	96.86
12 Propylene					CAS #: 115-07-1		
3.336	3.336 (0.238)	41	505553	57.5419	57.542	80.00- 120.00	100.00
3.336	3.336 (0.238)	42	339854			15.53- 115.53	67.22
3.336	3.336 (0.238)	39	386543			28.39- 128.39	76.46
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	1442928	54.0982	54.098	80.00- 120.00	100.00
3.667	3.667 (0.261)	87	470522			0.00- 80.70	32.61
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	1203374	53.4763	53.476	80.00- 120.00	100.00
4.773	4.773 (0.340)	137	384637			0.00- 82.07	31.96
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	554801	54.5283	54.528	80.00- 120.00	100.00
5.022	5.022 (0.358)	52	174183			0.00- 82.53	31.40
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	599967	55.1162	55.116	80.00- 120.00	100.00
5.796	5.796 (0.413)	64	186921			0.00- 80.97	31.16
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	400385	50.0609	50.061	80.00- 120.00	100.00
6.018	6.018 (0.429)	39	442562			51.68- 151.68	110.53
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	582177	56.6617	56.662	80.00- 120.00	100.00
7.483	7.483 (0.533)	96	557209			45.40- 145.40	95.71
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	364593	57.0789	57.079	80.00- 120.00	100.00
8.008	8.008 (0.571)	49	95217			0.00- 75.56	26.12
8.008	8.008 (0.571)	66	114481			0.00- 82.13	31.40
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	1386346	53.3921	53.392	80.00- 120.00	100.00
8.838	8.838 (0.630)	103	898576			14.91- 114.91	64.82

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	260139	56.2676	56.268	80.00- 120.00	100.00
9.916	9.916 (0.706)	43	55971			0.00- 73.52	21.52
9.916	9.916 (0.706)	46	104130			0.00- 88.41	40.03
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	1298082	60.2478	60.248	80.00- 120.00	100.00
10.359	10.359 (0.738)	153	828327			13.95- 113.95	63.81
10.359	10.359 (0.738)	101	1354261			54.25- 154.25	104.33
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	979296	59.9524	59.952	80.00- 120.00	100.00
10.303	10.303 (0.734)	96	695661			22.48- 122.48	71.04
10.303	10.303 (0.734)	98	453539			0.00- 96.22	46.31
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	337289	53.9875	53.988	80.00- 120.00	100.00
10.663	10.663 (0.760)	43	1075937			266.99- 366.99	319.00
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	1296909	57.0096	57.010	80.00- 120.00	100.00
11.105	11.105 (0.791)	43	229157			0.00- 68.17	17.67
11.105	11.105 (0.791)	59	50485			0.00- 53.62	3.89
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.635 (0.758)	76	2050605	53.2011	53.201	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	316217	57.7037	57.704	80.00- 120.00	100.00
11.216	11.216 (0.799)	41	973602			254.70- 354.70	307.89
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	812564	55.9976	55.998	80.00- 120.00	100.00
11.520	11.520 (0.821)	84	668470			33.25- 133.25	82.27
11.520	11.520 (0.821)	51	248115			0.00- 80.92	30.53
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	902230	51.3239	51.324	80.00- 120.00	100.00
11.935	11.935 (0.850)	57	239914			0.00- 76.81	26.59
11.935	11.935 (0.850)	41	247343			0.00- 78.85	27.41
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	827688	54.0329	54.033	80.00- 120.00	100.00
11.962	11.962 (0.852)	61	1029938			73.74- 173.74	124.44
11.962	11.962 (0.852)	98	535193			10.74- 110.74	64.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	1467251	56.6122	56.612	80.00- 120.00	100.00
12.322	12.322 (0.878)	43	975321			15.42- 115.42	66.47
12.322	12.322 (0.878)	86	278869			0.00- 68.78	19.01
67 Vinyl Acetate					CAS #: 108-05-4		
12.819	12.847 (0.913)	86	251216	64.0334	64.033	80.00- 120.00	100.00
12.819	12.819 (0.913)	43	2376390			943.18-1043.18	945.95
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	1406599	58.1596	58.160	80.00- 120.00	100.00
12.736	12.736 (0.907)	65	440718			0.00- 81.67	31.33
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	486589	61.7085	61.708	80.00- 120.00	100.00
13.704	13.704 (0.976)	43	1928084			341.74- 441.74	396.24
13.704	13.704 (0.976)	57	147269			0.00- 86.11	30.27
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.677	13.677 (0.974)	61	1082137	57.2619	57.262	80.00- 120.00	100.00
13.677	13.677 (0.974)	96	971922			38.29- 138.29	89.82
13.677	13.677 (0.974)	98	620454			7.14- 107.14	57.34
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	1161031	53.5351	53.535	80.00- 120.00	100.00
14.008	14.008 (0.998)	71	434822			0.00- 86.71	37.45
14.008	14.008 (0.998)	72	473496			0.00- 88.98	40.78
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	1489616	54.3575	54.358	80.00- 120.00	100.00
14.119	14.119 (1.006)	85	971631			15.04- 115.04	65.23
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	1541733	57.2439	57.244	80.00- 120.00	100.00
14.340	14.340 (1.022)	99	997453			14.88- 114.88	64.70
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	1487736	55.8979	55.898	80.00- 120.00	100.00
14.312	14.312 (1.020)	56	1679088			64.39- 164.39	112.86
14.312	14.312 (1.020)	41	903892			10.72- 110.72	60.76
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	1528672	58.6789	58.679	80.00- 120.00	100.00
14.534	14.534 (1.035)	117	1575603			52.57- 152.57	103.07
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	5078487	54.5056	54.506	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
14.838	14.838 (1.057)	56	1679266			0.00- 83.70	33.07
14.838	14.838 (1.057)	41	1223515			0.00- 74.02	24.09
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	3164832	51.5086	51.508	80.00- 120.00	100.00
14.865	14.865 (0.961)	77	717082			0.00- 73.43	22.66
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	957543	56.6468	56.647	80.00- 120.00	100.00
15.004	15.004 (0.970)	64	300544			0.00- 82.84	31.39
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	1234198	54.6642	54.664	80.00- 120.00	100.00
15.114	15.114 (0.977)	43	2161052			126.13- 226.13	175.10
15.114	15.114 (0.977)	57	1103216			42.41- 142.41	89.39
97 Trichloroethene					CAS #: 79-01-6		
15.833	15.833 (1.023)	95	1293976	54.3172	54.317	80.00- 120.00	100.00
15.833	15.833 (1.023)	130	1558078			70.95- 170.95	120.41
15.833	15.833 (1.023)	97	834112			15.30- 115.30	64.46
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	1170738	53.2195	53.219	80.00- 120.00	100.00
16.276	16.276 (1.052)	62	839742			21.49- 121.49	71.73
16.276	16.276 (1.052)	41	601925			0.76- 100.76	51.41
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	833061	55.3545	55.354	80.00- 120.00	100.00
16.414	16.414 (1.061)	58	565360			18.04- 118.04	67.87
16.414	16.414 (1.061)	57	161575			0.00- 70.99	19.40
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	1741298	55.2950	55.295	80.00- 120.00	100.00
16.690	16.690 (1.079)	85	1107571			14.32- 114.32	63.61
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	1652604	54.0326	54.032	80.00- 120.00	100.00
17.382	17.382 (1.123)	77	524428			0.00- 81.78	31.73
17.354	17.382 (1.121)	39	818839			0.00- 99.81	49.55
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	1126734	56.3503	56.350	80.00- 120.00	100.00
17.547	17.547 (1.134)	43	2813267			198.13- 298.13	249.68
17.547	17.547 (1.134)	85	479522			0.00- 91.92	42.56

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	4402364	56.8779	56.878	80.00- 120.00	100.00
17.824	17.824 (1.152)	92	2669561			10.87- 110.87	60.64
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	1608960	59.3620	59.362	80.00- 120.00	100.00
18.183	18.183 (0.920)	77	520083			0.00- 81.76	32.32
18.183	18.183 (0.920)	39	839750			2.73- 102.73	52.19
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	1476465	57.6141	57.614	80.00- 120.00	100.00
18.460	18.460 (0.934)	99	923384			12.88- 112.88	62.54
18.460	18.460 (0.934)	83	1191085			30.45- 130.45	80.67
117 Tetrachloroethene					CAS #: 127-18-4		
18.570	18.570 (0.940)	166	2267015	59.1946	59.195	80.00- 120.00	100.00
18.570	18.570 (0.940)	129	1508226			15.86- 115.86	66.53
18.570	18.570 (0.940)	131	1447834			13.16- 113.16	63.87
118 2-Hexanone					CAS #: 591-78-6		
18.709	18.709 (0.947)	58	1726072	60.0761	60.076	80.00- 120.00	100.00
18.709	18.709 (0.947)	43	3007427			124.85- 224.85	174.24
18.736	18.736 (0.948)	100	377483			0.00- 70.92	21.87
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	2323769	60.3191	60.319	80.00- 120.00	100.00
18.985	18.985 (0.961)	127	1801700			27.73- 127.73	77.53
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	2223791	53.8860	53.886	80.00- 120.00	100.00
19.206	19.206 (0.972)	109	2100415			44.46- 144.46	94.45
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	3921821	57.6601	57.660	80.00- 120.00	100.00
19.815	19.815 (1.003)	114	1261956			0.00- 82.08	32.18
19.815	19.815 (1.003)	77	2013448			1.06- 101.06	51.34
125 Ethyl Benzene					CAS #: 100-41-4		
19.870	19.870 (1.006)	106	2123098	58.2788	58.279	80.00- 120.00	100.00
19.870	19.870 (1.006)	91	6132103			242.66- 342.66	288.83
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	2658924	57.6268	57.627	80.00- 120.00	100.00
20.036	20.036 (1.014)	91	4747088			127.76- 227.76	178.53
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	2555813	58.0050	58.005	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	4826789			138.53- 238.53	188.86
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	4100052	54.9997	55.000	80.00- 120.00	100.00
20.589	20.589 (1.042)	78	1574590			0.00- 88.07	38.40
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	2524362	59.9014	59.901	80.00- 120.00	100.00
20.893	20.893 (1.057)	171	1307054			1.67- 101.67	51.78
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	7124322	55.0981	55.098	80.00- 120.00	100.00
21.004	21.004 (1.063)	120	2131242			0.00- 79.83	29.92
21.004	21.004 (1.063)	51	664917			0.00- 60.39	9.33
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	3558800	55.7566	55.757	80.00- 120.00	100.00
21.418	21.418 (1.084)	85	2271343			13.76- 113.76	63.82
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	8604926	60.3786	60.379	80.00- 120.00	100.00
21.501	21.501 (1.088)	120	2230100			0.00- 76.14	25.92
21.501	21.501 (1.088)	105	324699			0.00- 54.01	3.77
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	8097810	58.6299	58.630	80.00- 120.00	100.00
21.640	21.640 (1.095)	120	2773033			0.00- 84.18	34.24
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	6178390	49.9969	49.997	80.00- 120.00	100.00
21.695	21.695 (1.098)	120	3422997			5.21- 105.21	55.40
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	5745679	50.0669	50.067	80.00- 120.00	100.00
22.165	22.165 (1.122)	120	2995998			2.79- 102.79	52.14
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	4365417	54.4045	54.404	80.00- 120.00	100.00
22.580	22.580 (1.143)	148	2772300			13.48- 113.48	63.51
22.552	22.580 (1.141)	111	1525324			0.00- 86.47	34.94
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	4246091	52.1696	52.170	80.00- 120.00	100.00
22.690	22.690 (1.148)	148	2701885			13.17- 113.17	63.63
22.663	22.663 (1.147)	111	1537355			0.00- 85.15	36.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.828	22.828 (1.155)	91	5170323	55.6714	55.671	80.00- 120.00	100.00
22.828	22.828 (1.155)	126	1258664			0.00- 74.44	24.34
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	3907952	52.0322	52.032	80.00- 120.00	100.00
23.133	23.133 (1.171)	148	2492330			13.59- 113.59	63.78
23.133	23.133 (1.171)	111	1478150			0.00- 87.65	37.82
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.957	24.957 (1.263)	180	3184586	54.6941	54.694	80.00- 120.00	100.00
24.957	24.957 (1.263)	182	3040227			45.91- 145.91	95.47
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.269)	225	2412250	53.6254	53.625	80.00- 120.00	100.00
25.040	25.068 (1.267)	223	1518094			13.25- 113.25	62.93
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	6342947	55.8769	55.877	80.00- 120.00	100.00
25.289	25.289 (1.280)	127	763527			0.00- 61.98	12.04
29 Isopentane					CAS #: 78-78-4		
8.174	8.174 (0.582)	43	748860	52.6977	52.698	80.00- 120.00	100.00
8.174	8.174 (0.582)	57	472832			11.98- 111.98	63.14
22 Butane					CAS #: 106-97-8		
5.686	5.686 (0.405)	58	112143	52.2085	52.208	80.00- 120.00	100.00
5.686	5.686 (0.405)	43	930178			745.17- 845.17	829.46
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	2155583	55.7077	55.708	80.00- 120.00	100.00
16.054	16.054 (1.144)	98	1106553			0.00- 99.87	51.33
16.054	16.054 (1.144)	55	1647126			29.41- 129.41	76.41
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	783834	53.1728	53.173	80.00- 120.00	100.00
11.852	11.852 (0.844)	41	173438			0.00- 76.34	22.13
11.852	11.852 (0.844)	57	86793			0.00- 59.69	11.07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090310.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv-->50ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	289726	-3.51
95 1,4-Difluorobenze	1344091	806455	1881727	1328990	-1.12
123 Chlorobenzene-d5	1375327	825196	1925458	1266386	-7.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	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: 08-Sep-2008 10:00

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-03sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: kr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv-->50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Propylene	50.000	57.542	115.08	60-140
14 Dichlorodifluorome	50.000	54.098	108.20	70-130
17 Freon 114	50.000	53.476	106.95	70-130
21 Chloromethane	50.000	54.528	109.06	70-130
23 Vinyl Chloride	50.000	55.116	110.23	70-130
24 1,3-Butadiene	50.000	50.061	100.12	60-140
26 Bromomethane	50.000	56.662	113.32	70-130
28 Chloroethane	50.000	57.079	114.16	70-130
34 Trichlorofluoromet	50.000	53.392	106.78	70-130
38 Ethanol	50.000	56.268	112.54	60-140
43 Freon 113	50.000	60.248	120.50	70-130
44 1,1-Dichloroethene	50.000	59.952	119.90	70-130
45 Acetone	50.000	53.988	107.98	60-140
48 Carbon Disulfide	50.000	53.201	106.40	60-140
46 2-Propanol	50.000	57.010	114.02	60-140
54 Methylene Chloride	50.000	55.998	112.00	70-130
58 MTBE	50.000	51.324	102.65	60-140
59 trans-1,2-Dichloro	50.000	54.033	108.07	60-140
64 Hexane	50.000	56.612	113.22	60-140
67 Vinyl Acetate	50.000	64.033	128.07	60-140
68 1,1-Dichloroethane	50.000	58.160	116.32	70-130
76 cis-1,2-Dichloroet	50.000	57.262	114.52	70-130
75 2-Butanone	50.000	61.708	123.42	60-140
78 Tetrahydrofuran	50.000	53.535	107.07	60-140
81 Chloroform	50.000	54.358	108.72	70-130
84 Cyclohexane	50.000	55.898	111.80	60-140
83 1,1,1-Trichloroeth	50.000	57.244	114.49	70-130
85 Carbon Tetrachlori	50.000	58.679	117.36	70-130
91 Benzene	50.000	51.508	103.02	70-130
93 1,2-Dichloroethane	50.000	56.647	113.29	70-130
94 Heptane	50.000	54.664	109.33	60-140
97 Trichloroethene	50.000	54.317	108.63	70-130
102 1,2-Dichloropropan	50.000	53.219	106.44	70-130

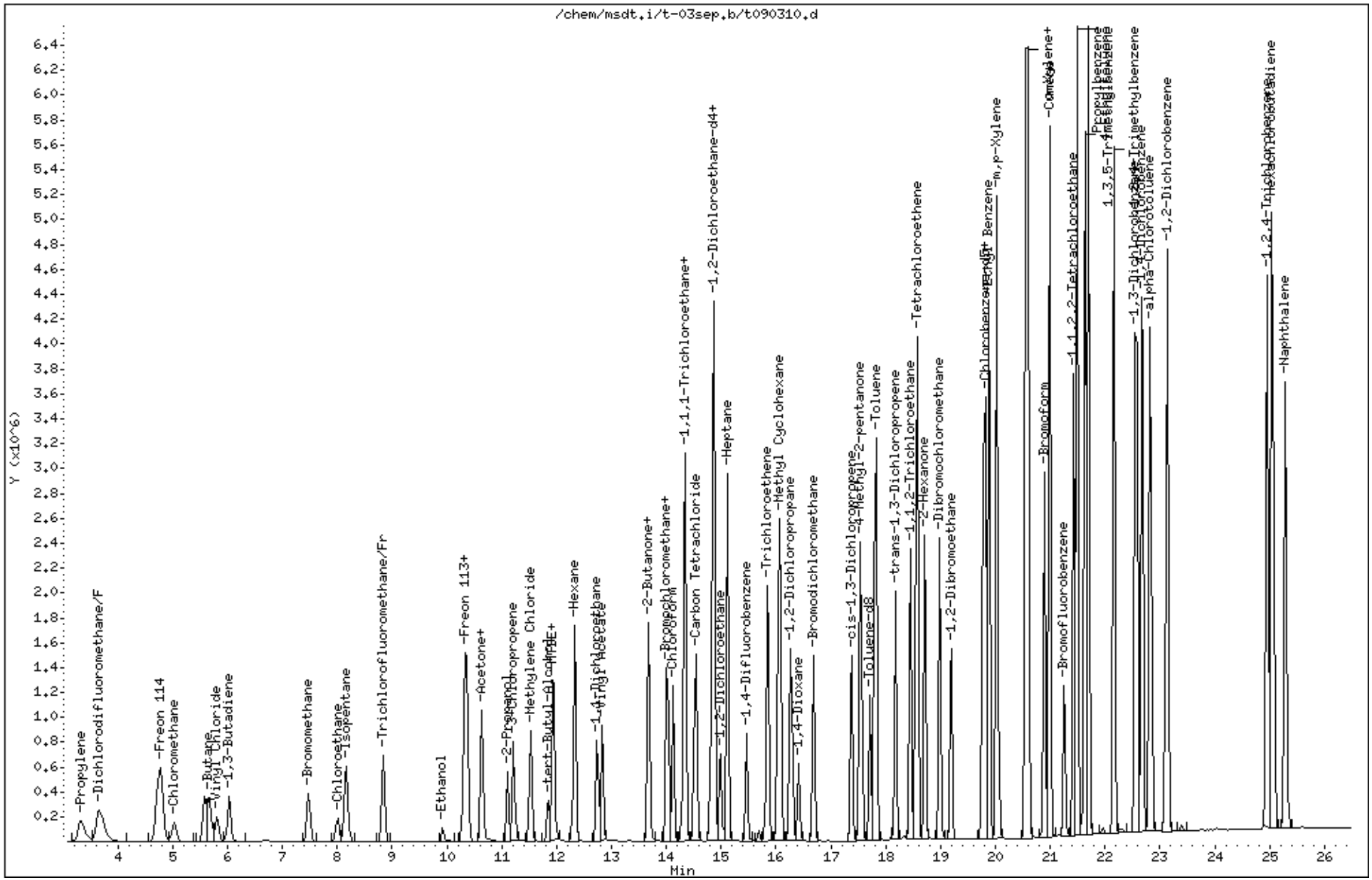
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
103 1,4-Dioxane	50.000	55.354	110.71	60-140
106 Bromodichlorometha	50.000	55.295	110.59	60-140
109 cis-1,3-Dichloropr	50.000	54.032	108.07	70-130
110 4-Methyl-2-pentano	50.000	56.350	112.70	60-140
114 Toluene	50.000	56.878	113.76	70-130
115 trans-1,3-Dichloro	50.000	59.362	118.72	70-130
116 1,1,2-Trichloroeth	50.000	57.614	115.23	70-130
117 Tetrachloroethene	50.000	59.195	118.39	70-130
118 2-Hexanone	50.000	60.076	120.15	60-140
121 Dibromochlorometha	50.000	60.319	120.64	60-140
122 1,2-Dibromoethane	50.000	53.886	107.77	70-130
124 Chlorobenzene	50.000	57.660	115.32	70-130
125 Ethyl Benzene	50.000	58.279	116.56	70-130
128 m,p-Xylene	50.000	57.627	115.25	70-130
130 o-Xylene	50.000	58.005	116.01	70-130
131 Styrene	50.000	55.000	110.00	70-130
133 Bromoform	50.000	59.901	119.80	60-140
138 1,1,2,2-Tetrachlor	50.000	55.757	111.51	70-130
144 4-Ethyltoluene	50.000	58.630	117.26	60-140
146 1,3,5-Trimethylben	50.000	49.997	99.99	70-130
152 1,2,4-Trimethylben	50.000	50.067	100.13	70-130
158 1,3-Dichlorobenzen	50.000	54.404	108.81	70-130
159 1,4-Dichlorobenzen	50.000	52.170	104.34	70-130
162 alpha-Chlorotoluen	50.000	55.671	111.34	70-130
164 1,2-Dichlorobenzen	50.000	52.032	104.06	70-130
169 1,2,4-Trichloroben	50.000	54.694	109.39	70-130
170 Hexachlorobutadien	50.000	53.625	107.25	70-130
140 Propylbenzene	50.000	60.379	120.76	60-140
134 Cumene	50.000	55.098	110.20	60-140
50 3-Chloropropene	50.000	57.704	115.41	60-140
88 2,2,4-Trimethylpen	50.000	54.506	109.01	60-140
29 Isopentane	50.000	52.698	105.40	70-130
22 Butane	50.000	52.208	104.42	70-130
99 Methyl Cyclohexane	50.000	55.708	111.42	70-130
57 tert-Butyl-Alcohol	50.000	53.173	106.35	60-140
171 Naphthalene	50.000	55.877	111.75	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.716	102.86	70-130
$ 111 Toluene-d8	25.000	24.769	99.08	70-130
$ 136 Bromofluorobenzene	25.000	24.390	97.56	70-130

Data File: /chem/msdt.i/t-03sep.b/t090310.d
Date : 03-SEP-2008 17:47
Client ID: LCS-1
Sample Info: 50mL #1612-121

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090302.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 03-SEP-2008 12:55
Operator : ra Inst ID: msdt.i
Smp Info : 0.3mL #1612-93
Misc Info : 200ppbv -> 0.3ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 12:55 Cal File: t090302.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
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	263477	25.0000		50.00- 150.00	100.00
14.036	14.036 (1.000)	128	205740			27.57- 127.57	78.09
14.008	14.008 (1.000)	49	301314			66.60- 166.60	114.36
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1195876	25.0000		50.00- 150.00	100.00
15.474	15.474 (1.000)	88	170002			0.00- 64.01	14.22
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.759	19.759 (1.000)	117	1234374	25.0000		50.00- 150.00	100.00
19.759	19.759 (1.000)	82	596871			0.00- 98.89	48.35
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.865	14.865 (1.059)	65	227948	25.0000	24.565	50.00- 150.00	100.00
14.865	14.865 (1.059)	67	134027			12.42- 112.42	58.80
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.713	17.713 (1.145)	98	1217525	25.0000	25.001	50.00- 150.00	100.00
17.713	17.713 (1.145)	70	111368			0.00- 59.06	9.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	829433			18.20- 118.20	68.12
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	770444	25.0000	25.716	50.00- 150.00	100.00
21.252	21.252 (1.076)	95	891548			66.29- 166.29	115.72
21.280	21.280 (1.077)	176	748142			46.99- 146.99	97.11
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	2335	0.25000	0.3210	50.00- 150.00	100.00
6.018	6.018 (0.429)	39	1577			51.68- 151.68	67.54
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	8035	0.25000	0.3224	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	5555			15.52- 115.52	69.14
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	18328	0.25000	0.3315	50.00- 150.00	100.00
14.865	14.865 (0.961)	77	4679			0.00- 73.43	25.53
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	25077	0.25000	0.3451	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	9261			0.00- 88.34	36.93
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	45099	0.25000	0.3578	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	13009			0.00- 79.83	28.85
21.004	21.004 (1.063)	51	5121			0.00- 60.39	11.36
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	13139	0.25000	0.3266	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	12769			45.52- 145.52	97.18
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	43409	0.25000	0.3881	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	22904			2.79- 102.79	52.76
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	46677	0.25000	0.3875	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	25711			5.21- 105.21	55.08

Report Date: 08-Sep-2008 09:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090302.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 0.3ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	263477	-12.25
95 1,4-Difluorobenze	1344091	806455	1881727	1195876	-11.03
123 Chlorobenzene-d5	1375327	825196	1925458	1234374	-10.25

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	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/msdt.i/t-03sep.b/t090302.d

Date : 03-SEP-2008 12:55

Client ID: Level 1

Sample Info: 0.3mL #1612-93

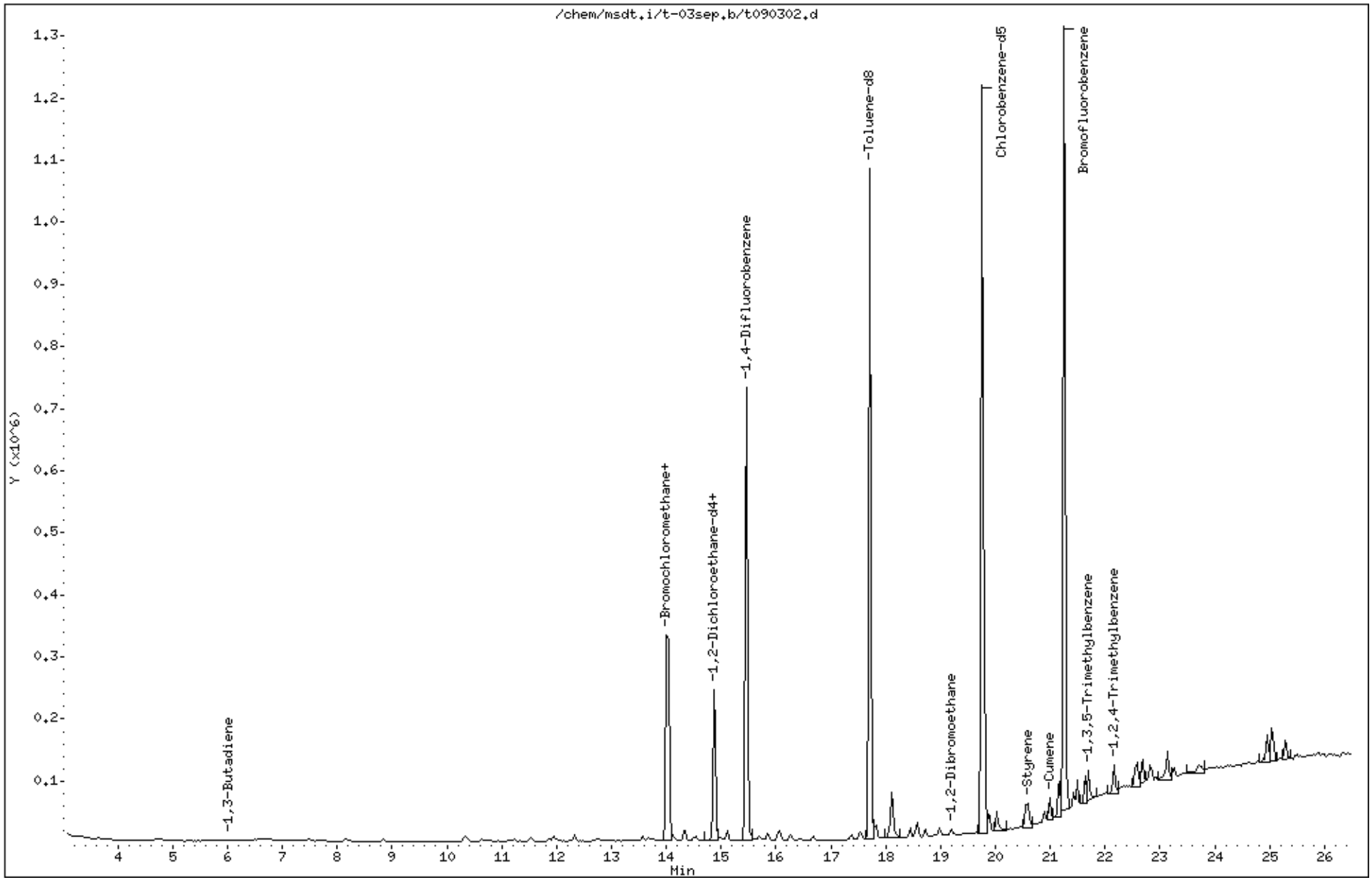
Column phase: RTx-624

Instrument: msdt.i

Operator: ra

Column diameter: 0.53

0074



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090303.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 03-SEP-2008 13:30
Operator : ra Inst ID: msdt.i
Smp Info : 0.5mL #1612-93
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 13:30 Cal File: t090303.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane					CAS #: 74-97-5			
14.036	14.036 (1.000)	130	267941	25.0000		50.00- 150.00		100.00
14.036	14.036 (1.000)	128	205579			27.57- 127.57		76.73
14.036	14.036 (1.000)	49	307097			66.60- 166.60		114.61
* 95 1,4-Difluorobenzene					CAS #: 540-36-3			
15.474	15.474 (1.000)	114	1220677	25.0000		50.00- 150.00		100.00
15.474	15.474 (1.000)	88	170267			0.00- 64.01		13.95
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
19.759	19.759 (1.000)	117	1232691	25.0000		50.00- 150.00		100.00
19.759	19.759 (1.000)	82	604242			0.00- 98.89		49.02
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.893	14.893 (1.061)	65	230619	25.0000	24.438	50.00- 150.00		100.00
14.893	14.893 (1.061)	67	134845			12.42- 112.42		58.47
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.713	17.713 (1.145)	98	1233108	25.0000	24.807	50.00- 150.00		100.00
17.713	17.713 (1.145)	70	110870			0.00- 59.06		8.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	841096			18.20- 118.20	68.21
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	748365	25.0000	25.013	50.00- 150.00	100.00
21.252	21.252 (1.076)	95	872256			66.29- 166.29	116.55
21.280	21.280 (1.077)	176	727523			46.99- 146.99	97.21
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.695	3.695 (0.263)	85	13336	0.50000	0.5406	50.00- 150.00	100.00
3.695	3.695 (0.263)	87	3205			0.00- 80.70	24.03
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	10889	0.50000	0.5232	50.00- 150.00	100.00
4.773	4.773 (0.340)	137	3329			0.00- 81.80	30.57
23 Vinyl Chloride					CAS #: 75-01-4		
5.824	5.824 (0.415)	62	5264	0.50000	0.5229	50.00- 150.00	100.00
5.824	5.824 (0.415)	64	1557			0.00- 80.97	29.58
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	3113	0.50000	0.4209	50.00- 150.00	100.00(a)
6.045	6.045 (0.431)	39	3173			51.68- 151.68	101.93
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	4621	0.50000	0.4863	50.00- 150.00	100.00(a)
7.483	7.483 (0.533)	96	4696			47.21- 147.21	101.62
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	2765	0.50000	0.4681	50.00- 150.00	100.00(a)
0.000	1.000 (0.000)	49	0			0.00- 75.56	0.00
0.000	1.000 (0.000)	66	0			0.00- 82.13	0.00
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	12483	0.50000	0.5198	50.00- 150.00	100.00
8.838	8.838 (0.630)	103	8129			15.55- 115.55	65.12
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	10360	0.50000	0.5199	50.00- 150.00	100.00
10.359	10.359 (0.738)	153	6572			13.95- 113.95	63.44
10.359	10.359 (0.738)	101	10922			54.34- 154.34	105.42
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.331	10.331 (0.736)	61	7616	0.50000	0.5042	50.00- 150.00	100.00
10.331	10.331 (0.736)	96	7118			29.59- 129.59	93.46
10.331	10.331 (0.736)	98	3568			0.00- 96.70	46.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
48 Carbon Disulfide						CAS #: 75-15-0	
10.635	10.635 (0.758)	76	18366	0.50000	0.5152	50.00- 150.00	100.00
54 Methylene Chloride						CAS #: 75-09-2	
11.547	11.547 (0.823)	49	7485	0.50000	0.5578	50.00- 150.00	100.00
11.547	11.547 (0.823)	84	6355			33.20- 133.20	84.90
11.547	11.547 (0.823)	51	2322			0.00- 80.92	31.02
58 MTBE						CAS #: 1634-04-4	
11.962	11.962 (0.852)	73	11642	0.50000	0.7161	50.00- 150.00	100.00
11.935	11.935 (0.850)	57	3687			0.00- 78.68	31.67
11.935	11.935 (0.850)	41	3505			0.00- 78.85	30.11
59 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.962	11.962 (0.852)	96	7627	0.50000	0.5384	50.00- 150.00	100.00
11.962	11.962 (0.852)	61	8865			70.11- 170.11	116.23
11.962	11.962 (0.852)	98	4271			10.74- 110.74	56.00
64 Hexane						CAS #: 110-54-3	
12.322	12.322 (0.878)	57	14308	0.50000	0.5969	50.00- 150.00	100.00
12.322	12.322 (0.878)	43	8810			15.42- 115.42	61.57
12.349	12.349 (0.880)	86	2524			0.00- 68.78	17.64
68 1,1-Dichloroethane						CAS #: 75-34-3	
12.764	12.764 (0.909)	63	11783	0.50000	0.5268	50.00- 150.00	100.00
12.764	12.764 (0.909)	65	3789			0.00- 81.97	32.16
75 2-Butanone						CAS #: 78-93-3	
13.732	13.732 (0.978)	72	3012	0.50000	0.4130	50.00- 150.00	100.00(a)
13.732	13.732 (0.978)	43	15203			370.06- 470.06	504.75
13.732	13.732 (0.978)	57	1529			0.00- 86.11	50.76
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.677	13.677 (0.974)	61	9073	0.50000	0.5191	50.00- 150.00	100.00
13.677	13.677 (0.974)	96	9361			43.19- 143.19	103.17
13.677	13.677 (0.974)	98	5355			7.76- 107.76	59.02
78 Tetrahydrofuran						CAS #: 109-99-9	
14.036	14.036 (1.000)	42	11996	0.50000	0.5981	50.00- 150.00	100.00
14.036	14.036 (1.000)	71	3522			0.00- 84.99	29.36
14.036	14.036 (1.000)	72	4033			0.00- 88.98	33.62
81 Chloroform						CAS #: 67-66-3	
14.119	14.119 (1.006)	83	13074	0.50000	0.5159	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	8273			15.52- 115.52	63.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	12691	0.50000	0.5095	50.00- 150.00	100.00
14.340	14.340 (1.022)	99	8064			14.12- 114.12	63.54
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	13421	0.50000	0.5452	50.00- 150.00	100.00
14.340	14.340 (1.022)	56	15441			65.10- 165.10	115.05
14.340	14.340 (1.022)	41	9539			13.26- 113.26	71.08
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	12170	0.50000	0.5051	50.00- 150.00	100.00
14.534	14.534 (1.035)	117	12819			53.34- 153.34	105.33
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	30047	0.50000	0.5324	50.00- 150.00	100.00
14.865	14.865 (0.961)	77	7117			0.00- 73.43	23.69
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	50357	0.50000	0.5844	50.00- 150.00	100.00
14.838	14.838 (1.057)	56	17864			0.00- 83.70	35.47
14.838	14.838 (1.057)	41	12309			0.00- 74.02	24.44
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	7953	0.50000	0.5122	50.00- 150.00	100.00
15.004	15.004 (0.970)	64	2881			0.00- 82.84	36.23
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	11322	0.50000	0.5460	50.00- 150.00	100.00
15.114	15.114 (0.977)	43	19606			126.13- 226.13	173.17
15.114	15.114 (0.977)	57	10995			42.41- 142.41	97.11
97 Trichloroethene					CAS #: 79-01-6		
15.861	15.861 (1.025)	95	12148	0.50000	0.5552	50.00- 150.00	100.00
15.861	15.861 (1.025)	130	13333			67.07- 167.07	109.75
15.861	15.861 (1.025)	97	7506			14.49- 114.49	61.79
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	10996	0.50000	0.5442	50.00- 150.00	100.00
16.276	16.276 (1.052)	62	7434			20.56- 120.56	67.61
16.276	16.276 (1.052)	41	5849			0.75- 100.75	53.19
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	14977	0.50000	0.5178	50.00- 150.00	100.00
16.690	16.690 (1.079)	85	9275			13.41- 113.41	61.93
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	14937	0.50000	0.5317	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 cis-1,3-Dichloropropene (continued)							
17.382	17.382 (1.123)	77	5428			0.00- 83.54	36.34
17.382	17.382 (1.123)	39	7925			0.05- 100.05	53.06
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	9325	0.50000	0.5077	50.00- 150.00	100.00
17.547	17.547 (1.134)	43	22184			198.13- 298.13	237.90
17.547	17.547 (1.134)	85	3664			0.00- 91.92	39.29
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	38490	0.50000	0.5414	50.00- 150.00	100.00
17.824	17.824 (1.152)	92	23731			11.09- 111.09	61.65
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	12923	0.50000	0.4898	50.00- 150.00	100.00(a)
18.183	18.183 (0.920)	77	5225			0.00- 84.60	40.43
18.183	18.183 (0.920)	39	7779			5.19- 105.19	60.20
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	14151	0.50000	0.5673	50.00- 150.00	100.00
18.460	18.460 (0.934)	99	8386			12.37- 112.37	59.26
18.460	18.460 (0.934)	83	11053			29.92- 129.92	78.11
117 Tetrachloroethene					CAS #: 127-18-4		
18.570	18.570 (0.940)	166	19758	0.50000	0.5300	50.00- 150.00	100.00
18.570	18.570 (0.940)	129	13096			16.22- 116.22	66.28
18.570	18.570 (0.940)	131	13008			13.89- 113.89	65.84
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	18892	0.50000	0.5038	50.00- 150.00	100.00
18.985	18.985 (0.961)	127	14657			27.73- 127.73	77.58
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	20102	0.50000	0.5004	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	19752			45.52- 145.52	98.26
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	36939	0.50000	0.5579	50.00- 150.00	100.00
19.815	19.815 (1.003)	114	11282			0.00- 81.73	30.54
19.815	19.815 (1.003)	77	26937			6.71- 106.71	72.92
125 Ethyl Benzene					CAS #: 100-41-4		
19.898	19.898 (1.007)	106	18862	0.50000	0.5319	50.00- 150.00	100.00
19.898	19.898 (1.007)	91	56726			242.66- 342.66	300.74
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	25037	0.50000	0.5574	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
128 m,p-Xylene (continued)							
20.036	20.036 (1.014)	91	43129			127.76- 227.76	172.26
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	24140	0.50000	0.5628	50.00- 150.00	100.00
20.561	20.561 (1.041)	91	45380			138.71- 238.71	187.99
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	36819	0.50000	0.5074	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	14414			0.00- 88.34	39.15
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	21628	0.50000	0.5272	50.00- 150.00	100.00
20.893	20.893 (1.057)	171	10692			1.16- 101.16	49.44
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	66915	0.50000	0.5316	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	20506			0.00- 79.83	30.64
21.004	21.004 (1.063)	51	7767			0.00- 60.39	11.61
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	38918	0.50000	0.6264	50.00- 150.00	100.00
21.418	21.418 (1.084)	85	24478			13.96- 113.96	62.90
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	83117	0.50000	0.5992	50.00- 150.00	100.00
21.501	21.501 (1.088)	120	22233			0.00- 76.14	26.75
21.501	21.501 (1.088)	105	3392			0.00- 54.01	4.08
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	77408	0.50000	0.5758	50.00- 150.00	100.00
21.640	21.640 (1.095)	120	28300			0.00- 84.79	36.56
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	66871	0.50000	0.5559	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	36854			5.21- 105.21	55.11
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	61207	0.50000	0.5479	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	33642			2.79- 102.79	54.96
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	47915	0.50000	0.6135	50.00- 150.00	100.00
22.580	22.580 (1.143)	148	30658			13.48- 113.48	63.98
22.580	22.580 (1.143)	111	18099			0.00- 86.47	37.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	52674	0.50000	0.6649	50.00- 150.00	100.00
22.690	22.690 (1.148)	148	32536			13.17- 113.17	61.77
22.690	22.690 (1.148)	111	17255			0.00- 85.15	32.76
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.828	22.828 (1.155)	91	49829	0.50000	0.5512	50.00- 150.00	100.00
22.828	22.828 (1.155)	126	12208			0.00- 74.44	24.50
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	48255	0.50000	0.6600	50.00- 150.00	100.00
23.133	23.133 (1.171)	148	31245			13.91- 113.91	64.75
23.133	23.133 (1.171)	111	19066			0.00- 88.27	39.51
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.957	24.957 (1.263)	180	40910	0.50000	0.7218	50.00- 150.00	100.00
24.957	24.957 (1.263)	182	39145			45.65- 145.65	95.69
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.269)	225	35172	0.50000	0.8033	50.00- 150.00	100.00
25.068	25.068 (1.269)	223	22026			13.25- 113.25	62.62
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	19433	0.50000	0.5430	50.00- 150.00	100.00
16.054	16.054 (1.144)	98	9160			0.00- 99.87	47.14
16.054	16.054 (1.144)	55	16737			29.41- 129.41	86.13
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	81327	0.50000	0.7360	50.00- 150.00	100.00
25.289	25.289 (1.280)	127	9427			0.00- 61.98	11.59

QC Flag Legend

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

Report Date: 08-Sep-2008 09:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090303.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	267941	-10.77
95 1,4-Difluorobenze	1344091	806455	1881727	1220677	-9.18
123 Chlorobenzene-d5	1375327	825196	1925458	1232691	-10.37

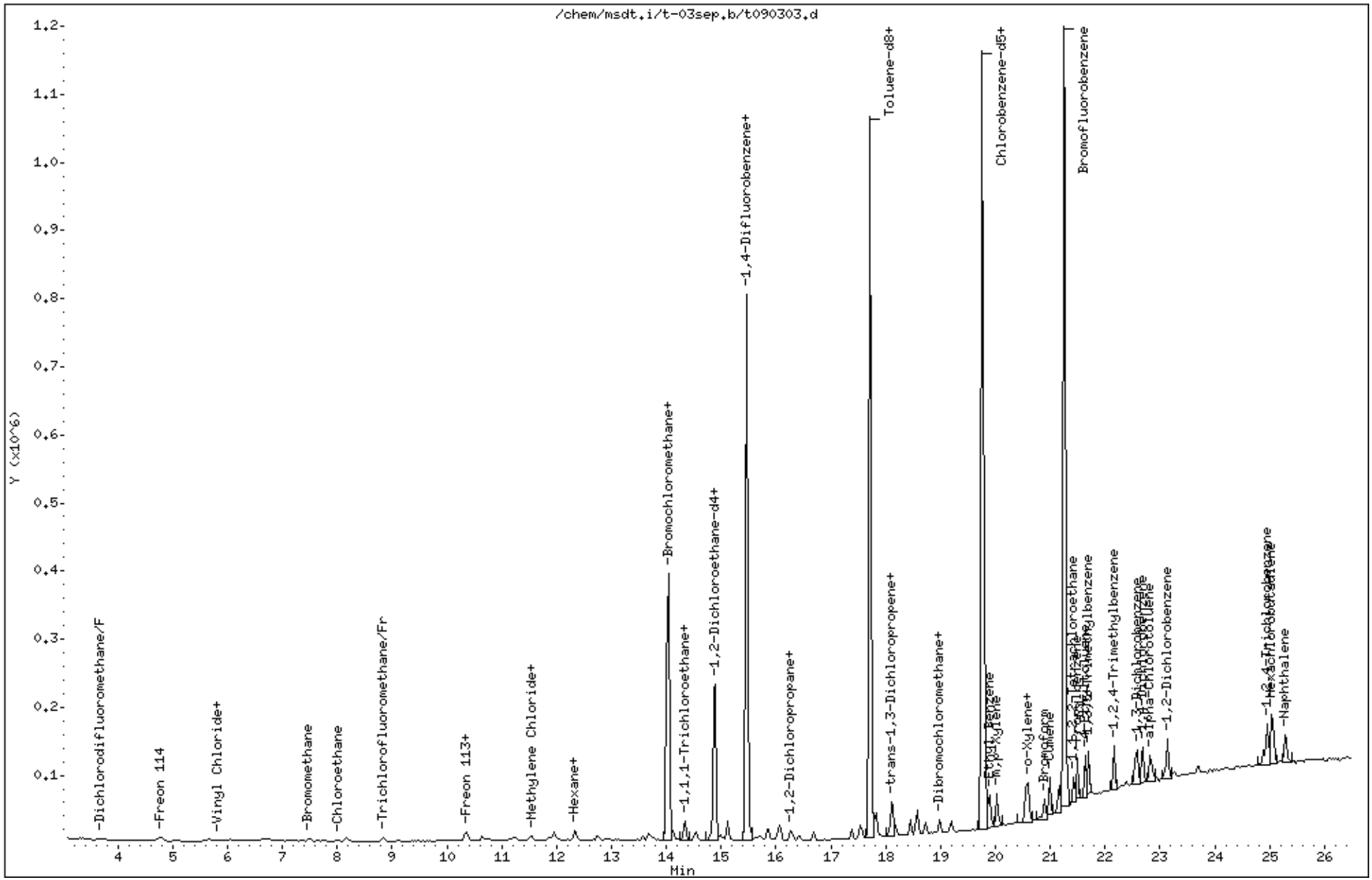
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	0.00

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.

0083

Data File: /chem/msdt.i/t-03sep.b/t090303.d
Date : 03-SEP-2008 13:30
Client ID: Level 2
Sample Info: 0.5mL #1612-93

Instrument: msdt.i
Operator: ra
Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090304.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 03-SEP-2008 14:06
Operator : ra Inst ID: msdt.i
Smp Info : 2.0mL #1612-93
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 14:06 Cal File: t090304.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

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane						CAS #: 74-97-5	
14.036	14.036 (1.000)	130	272522	25.0000		50.00- 150.00	100.00
14.036	14.036 (1.000)	128	208753			27.57- 127.57	76.60
14.008	14.008 (1.000)	49	314015			66.60- 166.60	115.23
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.474	15.474 (1.000)	114	1221883	25.0000		50.00- 150.00	100.00
15.474	15.474 (1.000)	88	170319			0.00- 64.01	13.94
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
19.759	19.759 (1.000)	117	1233990	25.0000		50.00- 150.00	100.00
19.759	19.759 (1.000)	82	610608			0.00- 98.89	49.48
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
14.893	14.893 (1.061)	65	231667	25.0000	24.137	50.00- 150.00	100.00
14.893	14.893 (1.061)	67	138173			12.42- 112.42	59.64
$ 111 Toluene-d8						CAS #: 2037-26-5	
17.713	17.713 (1.145)	98	1241293	25.0000	24.947	50.00- 150.00	100.00
17.713	17.713 (1.145)	70	112762			0.00- 59.06	9.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	849165			18.20- 118.20	68.41
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	738160	25.0000	24.646	50.00- 150.00	100.00
21.253	21.253 (1.076)	95	860325			66.29- 166.29	116.55
21.280	21.280 (1.077)	176	715825			46.99- 146.99	96.97
12 Propylene					CAS #: 115-07-1		
3.363	3.363 (0.240)	41	18694	2.00000	2.262	50.00- 150.00	100.00
3.308	3.308 (0.236)	42	11415			15.53- 115.53	61.06
3.336	3.336 (0.238)	39	15067			28.39- 128.39	80.60
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	50667	2.00000	2.020	50.00- 150.00	100.00
3.667	3.667 (0.261)	87	15989			0.00- 80.70	31.56
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	44170	2.00000	2.087	50.00- 150.00	100.00
4.773	4.773 (0.340)	137	14243			0.00- 81.80	32.25
21 Chloromethane					CAS #: 74-87-3		
5.050	5.050 (0.360)	50	20286	2.00000	2.120	50.00- 150.00	100.00
5.050	5.050 (0.360)	52	7211			0.00- 82.53	35.55
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	19951	2.00000	1.948	50.00- 150.00	100.00
5.824	5.824 (0.415)	64	6627			0.00- 80.97	33.22
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	13575	2.00000	1.804	50.00- 150.00	100.00
6.018	6.018 (0.429)	39	15179			51.68- 151.68	111.82
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	18214	2.00000	1.885	50.00- 150.00	100.00
7.483	7.483 (0.533)	96	17953			47.21- 147.21	98.57
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	11739	2.00000	1.954	50.00- 150.00	100.00
8.008	8.008 (0.571)	49	2780			0.00- 75.56	23.68
8.008	8.008 (0.571)	66	3863			0.00- 82.13	32.91
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	46524	2.00000	1.905	50.00- 150.00	100.00
8.838	8.838 (0.630)	103	31575			15.55- 115.55	67.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.999	9.999 (0.712)	45	6652	2.00000	1.530	50.00- 150.00	100.00(a)
9.999	9.999 (0.712)	43	1954			0.00- 73.52	29.37
9.999	9.999 (0.712)	46	2237			0.00- 88.41	33.63
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	38565	2.00000	1.903	50.00- 150.00	100.00
10.359	10.359 (0.738)	153	24878			13.95- 113.95	64.51
10.359	10.359 (0.738)	101	40043			54.34- 154.34	103.83
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	29158	2.00000	1.898	50.00- 150.00	100.00
10.331	10.331 (0.736)	96	25671			29.59- 129.59	88.04
10.331	10.331 (0.736)	98	14079			0.00- 96.70	48.29
45 Acetone					CAS #: 67-64-1		
10.690	10.690 (0.762)	58	13167	2.00000	2.240	50.00- 150.00	100.00
10.690	10.690 (0.762)	43	42709			266.99- 366.99	324.36
46 2-Propanol					CAS #: 67-63-0		
11.133	11.133 (0.793)	45	38581	2.00000	1.803	50.00- 150.00	100.00(a)
11.133	11.133 (0.793)	43	7465			0.00- 68.17	19.35
11.133	11.133 (0.793)	59	1078			0.00- 53.62	2.79
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.635 (0.758)	76	73261	2.00000	2.021	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	9068	2.00000	1.759	50.00- 150.00	100.00
11.216	11.216 (0.799)	41	27094			254.70- 354.70	298.79
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	26515	2.00000	1.943	50.00- 150.00	100.00
11.548	11.548 (0.823)	84	21863			33.20- 133.20	82.46
11.520	11.520 (0.821)	51	8470			0.00- 80.92	31.94
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	29898	2.00000	1.808	50.00- 150.00	100.00
11.935	11.935 (0.850)	57	9457			0.00- 78.68	31.63
11.935	11.935 (0.850)	41	9742			0.00- 78.85	32.58
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	31025	2.00000	2.153	50.00- 150.00	100.00
11.962	11.962 (0.852)	61	34711			70.11- 170.11	111.88
11.962	11.962 (0.852)	98	17386			10.74- 110.74	56.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	48588	2.00000	1.993	50.00- 150.00	100.00
12.322	12.322 (0.878)	43	31988			15.42- 115.42	65.84
12.322	12.322 (0.878)	86	9545			0.00- 68.78	19.64
67 Vinyl Acetate					CAS #: 108-05-4		
12.875	12.875 (0.917)	86	4922	2.00000	1.334	50.00- 150.00	100.00(a)
12.847	12.847 (0.915)	43	58202			943.18-1043.18	1182.49
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	44729	2.00000	1.966	50.00- 150.00	100.00
12.736	12.736 (0.907)	65	14942			0.00- 81.97	33.41
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	13851	2.00000	1.867	50.00- 150.00	100.00
13.704	13.704 (0.976)	43	56559			370.06- 470.06	408.34
13.704	13.704 (0.976)	57	5507			0.00- 86.11	39.76
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.677	13.677 (0.974)	61	35131	2.00000	1.976	50.00- 150.00	100.00
13.677	13.677 (0.974)	96	33511			43.19- 143.19	95.39
13.677	13.677 (0.974)	98	20538			7.76- 107.76	58.46
78 Tetrahydrofuran					CAS #: 109-99-9		
14.036	14.036 (1.000)	42	40831	2.00000	2.002	50.00- 150.00	100.00
14.036	14.036 (1.000)	71	14363			0.00- 84.99	35.18
14.036	14.036 (1.000)	72	15843			0.00- 88.98	38.80
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	48621	2.00000	1.886	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	31929			15.52- 115.52	65.67
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	48615	2.00000	1.919	50.00- 150.00	100.00
14.340	14.340 (1.022)	99	30095			14.12- 114.12	61.90
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	50184	2.00000	2.004	50.00- 150.00	100.00
14.340	14.340 (1.022)	56	58653			65.10- 165.10	116.88
14.313	14.313 (1.020)	41	30723			13.26- 113.26	61.22
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	45788	2.00000	1.868	50.00- 150.00	100.00
14.534	14.534 (1.035)	117	46788			53.34- 153.34	102.18
91 Benzene					CAS #: 71-43-2		
14.866	14.866 (0.961)	78	105553	2.00000	1.868	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.866	14.866 (0.961)	77	24699			0.00- 73.43	23.40
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	181189	2.00000	2.067	50.00- 150.00	100.00
14.838	14.838 (1.057)	56	61135			0.00- 83.70	33.74
14.838	14.838 (1.057)	41	43052			0.00- 74.02	23.76
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	29181	2.00000	1.878	50.00- 150.00	100.00
15.004	15.004 (0.970)	64	9862			0.00- 82.84	33.80
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	40665	2.00000	1.959	50.00- 150.00	100.00
15.114	15.114 (0.977)	43	72436			126.13- 226.13	178.13
15.114	15.114 (0.977)	57	37818			42.41- 142.41	93.00
97 Trichloroethene					CAS #: 79-01-6		
15.833	15.833 (1.023)	95	42525	2.00000	1.942	50.00- 150.00	100.00
15.861	15.861 (1.025)	130	48918			67.07- 167.07	115.03
15.833	15.833 (1.023)	97	27774			14.49- 114.49	65.31
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	40136	2.00000	1.984	50.00- 150.00	100.00
16.276	16.276 (1.052)	62	28064			20.56- 120.56	69.92
16.276	16.276 (1.052)	41	19265			0.75- 100.75	48.00
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	24893	2.00000	1.799	50.00- 150.00	100.00(a)
16.414	16.414 (1.061)	58	18788			20.06- 120.06	75.48
16.414	16.414 (1.061)	57	6345			0.00- 70.99	25.49
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	54821	2.00000	1.893	50.00- 150.00	100.00
16.690	16.690 (1.079)	85	34090			13.41- 113.41	62.18
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	52978	2.00000	1.884	50.00- 150.00	100.00
17.382	17.382 (1.123)	77	18909			0.00- 83.54	35.69
17.382	17.382 (1.123)	39	25075			0.05- 100.05	47.33
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	32697	2.00000	1.778	50.00- 150.00	100.00
17.547	17.547 (1.134)	43	84504			198.13- 298.13	258.45
17.547	17.547 (1.134)	85	14844			0.00- 91.92	45.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	136575	2.00000	1.919	50.00- 150.00	100.00
17.824	17.824 (1.152)	92	83874			11.09- 111.09	61.41
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	47030	2.00000	1.781	50.00- 150.00	100.00
18.183	18.183 (0.920)	77	17392			0.00- 84.60	36.98
18.183	18.183 (0.920)	39	26762			5.19- 105.19	56.90
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	47800	2.00000	1.914	50.00- 150.00	100.00
18.460	18.460 (0.934)	99	30422			12.37- 112.37	63.64
18.460	18.460 (0.934)	83	38385			29.92- 129.92	80.30
117 Tetrachloroethene					CAS #: 127-18-4		
18.571	18.571 (0.940)	166	71615	2.00000	1.919	50.00- 150.00	100.00
18.571	18.571 (0.940)	129	47301			16.22- 116.22	66.05
18.571	18.571 (0.940)	131	45030			13.89- 113.89	62.88
118 2-Hexanone					CAS #: 591-78-6		
18.736	18.736 (0.948)	58	49919	2.00000	1.783	50.00- 150.00	100.00(a)
18.736	18.736 (0.948)	43	89464			125.65- 225.65	179.22
18.736	18.736 (0.948)	100	9609			0.00- 70.92	19.25
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	67247	2.00000	1.791	50.00- 150.00	100.00
18.985	18.985 (0.961)	127	53074			27.73- 127.73	78.92
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	70366	2.00000	1.750	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	66454			45.52- 145.52	94.44
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	123522	2.00000	1.864	50.00- 150.00	100.00
19.815	19.815 (1.003)	114	39449			0.00- 81.73	31.94
19.815	19.815 (1.003)	77	71089			6.71- 106.71	57.55
125 Ethyl Benzene					CAS #: 100-41-4		
19.898	19.898 (1.007)	106	66233	2.00000	1.866	50.00- 150.00	100.00
19.870	19.870 (1.006)	91	194260			242.66- 342.66	293.30
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	83311	2.00000	1.853	50.00- 150.00	100.00
20.036	20.036 (1.014)	91	149670			127.76- 227.76	179.65
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	79147	2.00000	1.843	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	151070			138.71- 238.71	190.87
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	118197	2.00000	1.627	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	46591			0.00- 88.34	39.42
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	68939	2.00000	1.679	50.00- 150.00	100.00
20.893	20.893 (1.057)	171	35427			1.16- 101.16	51.39
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	217270	2.00000	1.724	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	64030			0.00- 79.83	29.47
21.004	21.004 (1.063)	51	23592			0.00- 60.39	10.86
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	114983	2.00000	1.849	50.00- 150.00	100.00
21.418	21.418 (1.084)	85	75073			13.96- 113.96	65.29
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	258503	2.00000	1.861	50.00- 150.00	100.00
21.501	21.501 (1.088)	120	67658			0.00- 76.14	26.17
21.501	21.501 (1.088)	105	11715			0.00- 54.01	4.53
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	245527	2.00000	1.824	50.00- 150.00	100.00
21.640	21.640 (1.095)	120	83963			0.00- 84.79	34.20
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	196506	2.00000	1.632	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	108468			5.21- 105.21	55.20
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	180407	2.00000	1.613	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	94672			2.79- 102.79	52.48
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	135709	2.00000	1.736	50.00- 150.00	100.00
22.580	22.580 (1.143)	148	85471			13.48- 113.48	62.98
22.580	22.580 (1.143)	111	51618			0.00- 86.47	38.04
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	135775	2.00000	1.712	50.00- 150.00	100.00
22.690	22.690 (1.148)	148	85858			13.17- 113.17	63.24
22.690	22.690 (1.148)	111	48990			0.00- 85.15	36.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.829	22.829 (1.155)	91	153350	2.00000	1.694	50.00- 150.00	100.00
22.829	22.829 (1.155)	126	37296			0.00- 74.44	24.32
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	128282	2.00000	1.753	50.00- 150.00	100.00
23.133	23.133 (1.171)	148	81509			13.91- 113.91	63.54
23.133	23.133 (1.171)	111	49876			0.00- 88.27	38.88
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.958	24.958 (1.263)	180	109150	2.00000	1.924	50.00- 150.00	100.00(a)
24.958	24.958 (1.263)	182	105213			45.65- 145.65	96.39
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.041	25.041 (1.267)	225	86704	2.00000	1.978	50.00- 150.00	100.00(a)
25.041	25.041 (1.267)	223	57028			13.25- 113.25	65.77
22 Butane					CAS #: 106-97-8		
5.686	5.686 (0.405)	58	4130	2.00000	2.044	50.00- 150.00	100.00
5.658	5.658 (0.403)	43	32411			745.17- 845.17	784.77
29 Isopentane					CAS #: 78-78-4		
8.174	8.174 (0.582)	43	28667	2.00000	2.145	50.00- 150.00	100.00
8.174	8.174 (0.582)	57	16495			11.98- 111.98	57.54
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	72018	2.00000	1.979	50.00- 150.00	100.00
16.054	16.054 (1.144)	98	34915			0.00- 99.87	48.48
16.054	16.054 (1.144)	55	57804			29.41- 129.41	80.26
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	40942	2.00000	2.953	50.00- 150.00	100.00
11.852	11.852 (0.844)	41	10783			0.00- 76.34	26.34
11.852	11.852 (0.844)	57	3966			0.00- 59.69	9.69
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	214921	2.00000	1.943	50.00- 150.00	100.00(a)
25.289	25.289 (1.280)	127	26491			0.00- 61.98	12.33

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: msdt.i
Lab File ID: t090304.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	272522	-9.24
95 1,4-Difluorobenze	1344091	806455	1881727	1221883	-9.09
123 Chlorobenzene-d5	1375327	825196	1925458	1233990	-10.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	0.00

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

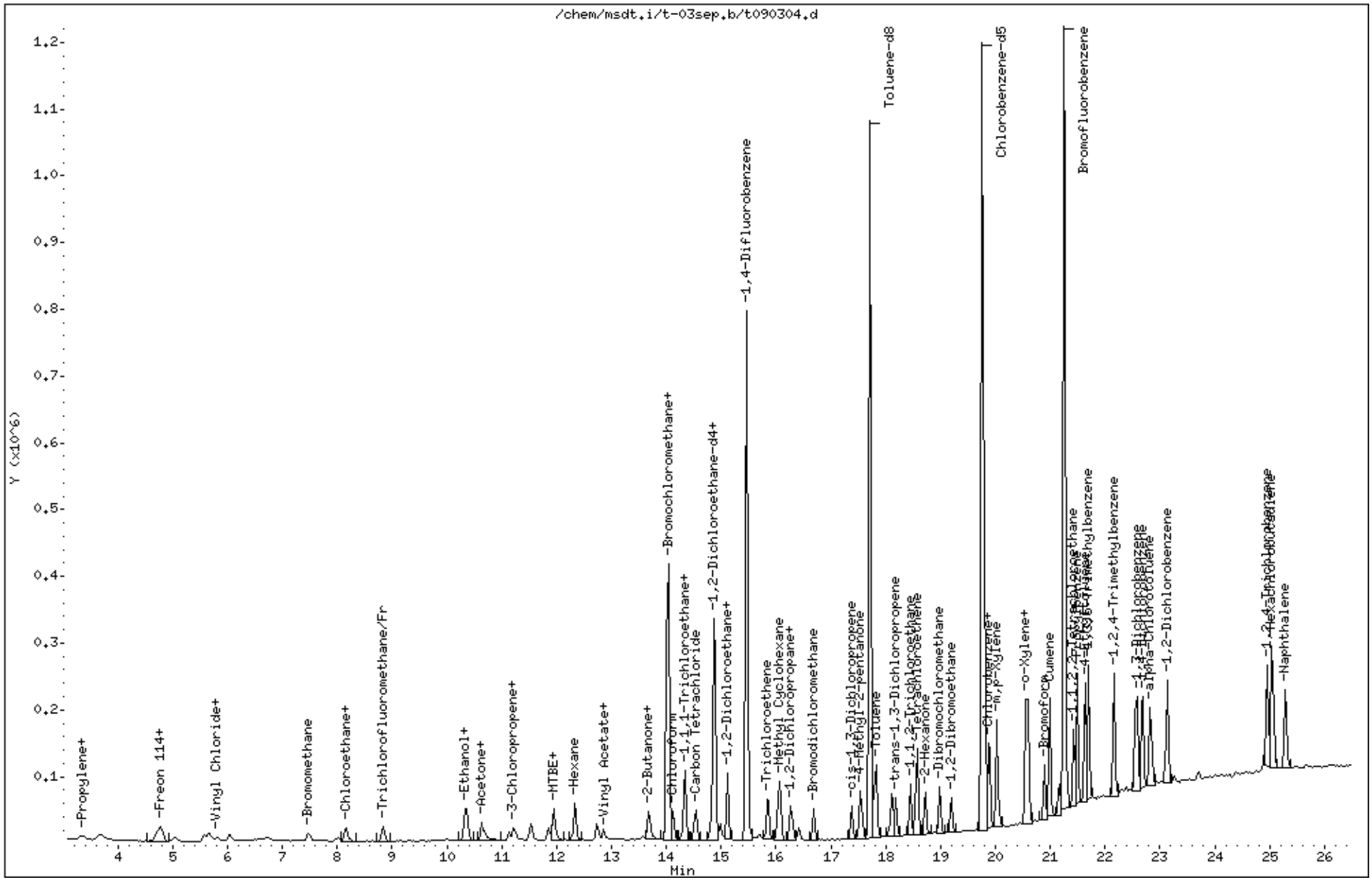
0093

Data File: /chem/msdt.i/t-03sep.b/t090304.d
Date : 03-SEP-2008 14:06
Client ID: Level 3
Sample Info: 2.0mL #1612-93

Instrument: msdt.i

Operator: ra

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090305.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 03-SEP-2008 14:46
Operator : ra Inst ID: msdt.i
Smp Info : 25mL #1612-93
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 14:46 Cal File: t090305.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane						CAS #: 74-97-5		
14.036	14.036 (1.000)	130	290183	25.0000		50.00- 150.00		100.00
14.036	14.036 (1.000)	128	225999			27.57- 127.57		77.88
14.008	14.008 (1.000)	49	350063			66.60- 166.60		120.64
* 95 1,4-Difluorobenzene						CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1347806	25.0000		50.00- 150.00		100.00
15.474	15.474 (1.000)	88	188797			0.00- 64.01		14.01
* 123 Chlorobenzene-d5						CAS #: 3114-55-4		
19.759	19.759 (1.000)	117	1314185	25.0000		50.00- 150.00		100.00
19.759	19.759 (1.000)	82	647520			0.00- 98.89		49.27
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
14.865	14.865 (1.059)	65	257414	25.0000	25.187	50.00- 150.00		100.00
14.865	14.865 (1.059)	67	161226			12.42- 112.42		62.63
$ 111 Toluene-d8						CAS #: 2037-26-5		
17.713	17.713 (1.145)	98	1341261	25.0000	24.438	50.00- 150.00		100.00
17.713	17.713 (1.145)	70	121306			0.00- 59.06		9.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	910772			18.20- 118.20	67.90
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	777659	25.0000	24.381	50.00- 150.00	100.00
21.253	21.253 (1.076)	95	913251			66.29- 166.29	117.44
21.280	21.280 (1.077)	176	754863			46.99- 146.99	97.07
12 Propylene					CAS #: 115-07-1		
3.308	3.308 (0.236)	41	228126	25.0000	25.924	50.00- 150.00	100.00
3.336	3.336 (0.238)	42	151857			15.53- 115.53	66.57
3.308	3.308 (0.236)	39	179128			28.39- 128.39	78.52
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	707984	25.0000	26.502	50.00- 150.00	100.00
3.667	3.667 (0.261)	87	231342			0.00- 80.70	32.68
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	580145	25.0000	25.740	50.00- 150.00	100.00
4.773	4.773 (0.340)	137	186745			0.00- 81.80	32.19
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	266384	25.0000	26.140	50.00- 150.00	100.00
5.022	5.022 (0.358)	52	85556			0.00- 82.53	32.12
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	295149	25.0000	27.071	50.00- 150.00	100.00
5.796	5.796 (0.413)	64	89794			0.00- 80.97	30.42
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	196785	25.0000	24.566	50.00- 150.00	100.00
6.018	6.018 (0.429)	39	214324			51.68- 151.68	108.91
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	284866	25.0000	27.682	50.00- 150.00	100.00
7.483	7.483 (0.533)	96	271133			47.21- 147.21	95.18
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	171958	25.0000	26.878	50.00- 150.00	100.00
8.008	8.008 (0.571)	49	45431			0.00- 75.56	26.42
8.008	8.008 (0.571)	66	55427			0.00- 82.13	32.23
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	654568	25.0000	25.170	50.00- 150.00	100.00
8.838	8.838 (0.630)	103	425404			15.55- 115.55	64.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	118989	25.0000	25.696	50.00- 150.00	100.00
9.944	9.944 (0.708)	43	28258			0.00- 73.52	23.75
9.916	9.916 (0.706)	46	48701			0.00- 88.41	40.93
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	561067	25.0000	26.000	50.00- 150.00	100.00
10.359	10.359 (0.738)	153	357811			13.95- 113.95	63.77
10.359	10.359 (0.738)	101	588807			54.34- 154.34	104.94
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	422446	25.0000	25.821	50.00- 150.00	100.00
10.303	10.303 (0.734)	96	308160			29.59- 129.59	72.95
10.303	10.303 (0.734)	98	195617			0.00- 96.70	46.31
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	164109	25.0000	26.226	50.00- 150.00	100.00
10.663	10.663 (0.760)	43	506558			266.99- 366.99	308.67
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	608735	25.0000	26.717	50.00- 150.00	100.00
11.105	11.105 (0.791)	43	108102			0.00- 68.17	17.76
11.105	11.105 (0.791)	59	23856			0.00- 53.62	3.92
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.635 (0.758)	76	983315	25.0000	25.471	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	151780	25.0000	27.653	50.00- 150.00	100.00
11.216	11.216 (0.799)	41	460677			254.70- 354.70	303.52
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	356760	25.0000	24.547	50.00- 150.00	100.00
11.520	11.520 (0.821)	84	296267			33.20- 133.20	83.04
11.520	11.520 (0.821)	51	108590			0.00- 80.92	30.44
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	371373	25.0000	21.092	50.00- 150.00	100.00
11.935	11.935 (0.850)	57	101223			0.00- 78.68	27.26
11.935	11.935 (0.850)	41	105263			0.00- 78.85	28.34
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	404683	25.0000	26.377	50.00- 150.00	100.00
11.962	11.962 (0.852)	61	501487			70.11- 170.11	123.92
11.962	11.962 (0.852)	98	258380			10.74- 110.74	63.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	712532	25.0000	27.449	50.00- 150.00	100.00
12.322	12.322 (0.878)	43	470356			15.42- 115.42	66.01
12.322	12.322 (0.878)	86	132628			0.00- 68.78	18.61
67 Vinyl Acetate					CAS #: 108-05-4		
12.847	12.847 (0.915)	86	118709	25.0000	30.210	50.00- 150.00	100.00
12.819	12.819 (0.913)	43	1087990			943.18-1043.18	916.52
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	659588	25.0000	27.229	50.00- 150.00	100.00
12.736	12.736 (0.907)	65	205812			0.00- 81.97	31.20
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	232948	25.0000	29.496	50.00- 150.00	100.00
13.704	13.704 (0.976)	43	930060			370.06- 470.06	399.26
13.704	13.704 (0.976)	57	70187			0.00- 86.11	30.13
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.677	13.677 (0.974)	61	518996	25.0000	27.420	50.00- 150.00	100.00
13.677	13.677 (0.974)	96	464634			43.19- 143.19	89.53
13.677	13.677 (0.974)	98	294749			7.76- 107.76	56.79
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	572023	25.0000	26.334	50.00- 150.00	100.00
14.008	14.008 (0.998)	71	208799			0.00- 84.99	36.50
14.008	14.008 (0.998)	72	233047			0.00- 88.98	40.74
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	695666	25.0000	25.346	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	453503			15.52- 115.52	65.19
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	720488	25.0000	26.709	50.00- 150.00	100.00
14.340	14.340 (1.022)	99	471643			14.12- 114.12	65.46
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	728695	25.0000	27.336	50.00- 150.00	100.00
14.312	14.312 (1.020)	56	846595			65.10- 165.10	116.18
14.312	14.312 (1.020)	41	452255			13.26- 113.26	62.06
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	693118	25.0000	26.564	50.00- 150.00	100.00
14.534	14.534 (1.035)	117	718305			53.34- 153.34	103.63
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	1535570	25.0000	24.643	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
14.865	14.865 (0.961)	77	347986			0.00- 73.43	22.66
	88 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.838	14.838 (1.057)	57	2556706	25.0000	27.397	50.00- 150.00	100.00
14.838	14.838 (1.057)	56	845773			0.00- 83.70	33.08
14.838	14.838 (1.057)	41	605733			0.00- 74.02	23.69
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.004	15.004 (0.970)	62	437377	25.0000	25.513	50.00- 150.00	100.00
15.004	15.004 (0.970)	64	136325			0.00- 82.84	31.17
	94 Heptane				CAS #: 142-82-5		
15.114	15.114 (0.977)	71	591688	25.0000	25.841	50.00- 150.00	100.00
15.114	15.114 (0.977)	43	1063399			126.13- 226.13	179.72
15.114	15.114 (0.977)	57	547443			42.41- 142.41	92.52
	97 Trichloroethene				CAS #: 79-01-6		
15.833	15.833 (1.023)	95	615080	25.0000	25.459	50.00- 150.00	100.00
15.833	15.833 (1.023)	130	728860			67.07- 167.07	118.50
15.833	15.833 (1.023)	97	400548			14.49- 114.49	65.12
	102 1,2-Dichloropropane				CAS #: 78-87-5		
16.276	16.276 (1.052)	63	574241	25.0000	25.739	50.00- 150.00	100.00
16.276	16.276 (1.052)	62	413983			20.56- 120.56	72.09
16.276	16.276 (1.052)	41	289544			0.75- 100.75	50.42
	103 1,4-Dioxane				CAS #: 123-91-1		
16.414	16.414 (1.061)	88	397397	25.0000	26.037	50.00- 150.00	100.00
16.414	16.414 (1.061)	58	275753			20.06- 120.06	69.39
16.414	16.414 (1.061)	57	77526			0.00- 70.99	19.51
	106 Bromodichloromethane				CAS #: 75-27-4		
16.690	16.690 (1.079)	83	815416	25.0000	25.532	50.00- 150.00	100.00
16.690	16.690 (1.079)	85	525889			13.41- 113.41	64.49
	109 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	782902	25.0000	25.240	50.00- 150.00	100.00
17.382	17.382 (1.123)	77	250404			0.00- 83.54	31.98
17.382	17.382 (1.123)	39	396814			0.05- 100.05	50.69
	110 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.547	17.547 (1.134)	58	538304	25.0000	26.546	50.00- 150.00	100.00
17.547	17.547 (1.134)	43	1336717			198.13- 298.13	248.32
17.547	17.547 (1.134)	85	219555			0.00- 91.92	40.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene						CAS #: 108-88-3	
17.824	17.824 (1.152)	91	1998515	25.0000	25.460	50.00- 150.00	100.00
17.824	17.824 (1.152)	92	1215531			11.09- 111.09	60.82
115 trans-1,3-Dichloropropene						CAS #: 10061-02-6	
18.183	18.183 (0.920)	75	755184	25.0000	26.849	50.00- 150.00	100.00
18.183	18.183 (0.920)	77	240281			0.00- 84.60	31.82
18.183	18.183 (0.920)	39	410445			5.19- 105.19	54.35
116 1,1,2-Trichloroethane						CAS #: 79-00-5	
18.460	18.460 (0.934)	97	690736	25.0000	25.973	50.00- 150.00	100.00
18.460	18.460 (0.934)	99	433395			12.37- 112.37	62.74
18.460	18.460 (0.934)	83	556292			29.92- 129.92	80.54
117 Tetrachloroethene						CAS #: 127-18-4	
18.570	18.570 (0.940)	166	1020046	25.0000	25.666	50.00- 150.00	100.00
18.570	18.570 (0.940)	129	687285			16.22- 116.22	67.38
18.570	18.570 (0.940)	131	660707			13.89- 113.89	64.77
118 2-Hexanone						CAS #: 591-78-6	
18.709	18.709 (0.947)	58	820868	25.0000	27.531	50.00- 150.00	100.00
18.709	18.709 (0.947)	43	1433643			125.65- 225.65	174.65
18.736	18.736 (0.948)	100	169893			0.00- 70.92	20.70
121 Dibromochloromethane						CAS #: 124-48-1	
18.985	18.985 (0.961)	129	1051532	25.0000	26.302	50.00- 150.00	100.00
18.985	18.985 (0.961)	127	811461			27.73- 127.73	77.17
122 1,2-Dibromoethane						CAS #: 106-93-4	
19.206	19.206 (0.972)	107	1046795	25.0000	24.443	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	986141			45.52- 145.52	94.21
124 Chlorobenzene						CAS #: 108-90-7	
19.815	19.815 (1.003)	112	1791140	25.0000	25.376	50.00- 150.00	100.00
19.815	19.815 (1.003)	114	573193			0.00- 81.73	32.00
19.815	19.815 (1.003)	77	919566			6.71- 106.71	51.34
125 Ethyl Benzene						CAS #: 100-41-4	
19.870	19.870 (1.006)	106	971789	25.0000	25.705	50.00- 150.00	100.00
19.870	19.870 (1.006)	91	2825320			242.66- 342.66	290.73
128 m,p-Xylene						CAS #: 108-38-3	
20.036	20.036 (1.014)	106	1216570	25.0000	25.408	50.00- 150.00	100.00
20.036	20.036 (1.014)	91	2200456			127.76- 227.76	180.87
130 o-Xylene						CAS #: 95-47-6	
20.561	20.561 (1.041)	106	1168536	25.0000	25.556	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	2205012			138.71- 238.71	188.70
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	1856969	25.0000	24.004	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	714399			0.00- 88.34	38.47
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	1093652	25.0000	25.008	50.00- 150.00	100.00
20.893	20.893 (1.057)	171	564433			1.16- 101.16	51.61
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	3143425	25.0000	23.426	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	942089			0.00- 79.83	29.97
21.004	21.004 (1.063)	51	313441			0.00- 60.39	9.97
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	1596612	25.0000	24.105	50.00- 150.00	100.00
21.418	21.418 (1.084)	85	1023206			13.96- 113.96	64.09
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	3824574	25.0000	25.860	50.00- 150.00	100.00
21.501	21.501 (1.088)	120	984598			0.00- 76.14	25.74
21.501	21.501 (1.088)	105	144871			0.00- 54.01	3.79
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	3618820	25.0000	25.248	50.00- 150.00	100.00
21.640	21.640 (1.095)	120	1245826			0.00- 84.79	34.43
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	2787215	25.0000	21.734	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	1537483			5.21- 105.21	55.16
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	2592563	25.0000	21.769	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	1347891			2.79- 102.79	51.99
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	1934306	25.0000	23.230	50.00- 150.00	100.00
22.580	22.580 (1.143)	148	1229317			13.48- 113.48	63.55
22.552	22.552 (1.141)	111	682379			0.00- 86.47	35.28
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	1906766	25.0000	22.575	50.00- 150.00	100.00
22.690	22.690 (1.148)	148	1211996			13.17- 113.17	63.56
22.663	22.663 (1.147)	111	698565			0.00- 85.15	36.64

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene						CAS #: 100-44-7	
22.829	22.829 (1.155)	91	2306338	25.0000	23.930	50.00- 150.00	100.00
22.829	22.829 (1.155)	126	557481			0.00- 74.44	24.17
164 1,2-Dichlorobenzene						CAS #: 95-50-1	
23.133	23.133 (1.171)	146	1750672	25.0000	22.461	50.00- 150.00	100.00
23.133	23.133 (1.171)	148	1122851			13.91- 113.91	64.14
23.133	23.133 (1.171)	111	666486			0.00- 88.27	38.07
169 1,2,4-Trichlorobenzene						CAS #: 120-82-1	
24.958	24.958 (1.263)	180	1335173	25.0000	22.097	50.00- 150.00	100.00
24.958	24.958 (1.263)	182	1272703			45.65- 145.65	95.32
170 Hexachlorobutadiene						CAS #: 87-68-3	
25.040	25.040 (1.267)	225	1060679	25.0000	22.722	50.00- 150.00	100.00
25.040	25.040 (1.267)	223	664134			13.25- 113.25	62.61
22 Butane						CAS #: 106-97-8	
5.686	5.686 (0.405)	58	54040	25.0000	25.119	50.00- 150.00	100.00
5.686	5.686 (0.405)	43	427475			745.17- 845.17	791.03
29 Isopentane						CAS #: 78-78-4	
8.174	8.174 (0.582)	43	361640	25.0000	25.409	50.00- 150.00	100.00
8.174	8.174 (0.582)	57	229396			11.98- 111.98	63.43
99 Methyl Cyclohexane						CAS #: 108-87-2	
16.054	16.054 (1.144)	83	1036267	25.0000	26.738	50.00- 150.00	100.00
16.054	16.054 (1.144)	98	529927			0.00- 99.87	51.14
16.054	16.054 (1.144)	55	812458			29.41- 129.41	78.40
57 tert-Butyl-Alcohol						CAS #: 75-65-0	
11.852	11.852 (0.844)	59	393277	25.0000	26.637	50.00- 150.00	100.00
11.852	11.852 (0.844)	41	88582			0.00- 76.34	22.52
11.852	11.852 (0.844)	57	41961			0.00- 59.69	10.67
171 Naphthalene						CAS #: 91-20-3	
25.289	25.289 (1.280)	128	2650780	25.0000	22.502	50.00- 150.00	100.00
25.289	25.289 (1.280)	127	314407			0.00- 61.98	11.86

Report Date: 08-Sep-2008 09:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090305.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	290183	-3.36
95 1,4-Difluorobenze	1344091	806455	1881727	1347806	0.28
123 Chlorobenzene-d5	1375327	825196	1925458	1314185	-4.45

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	0.00

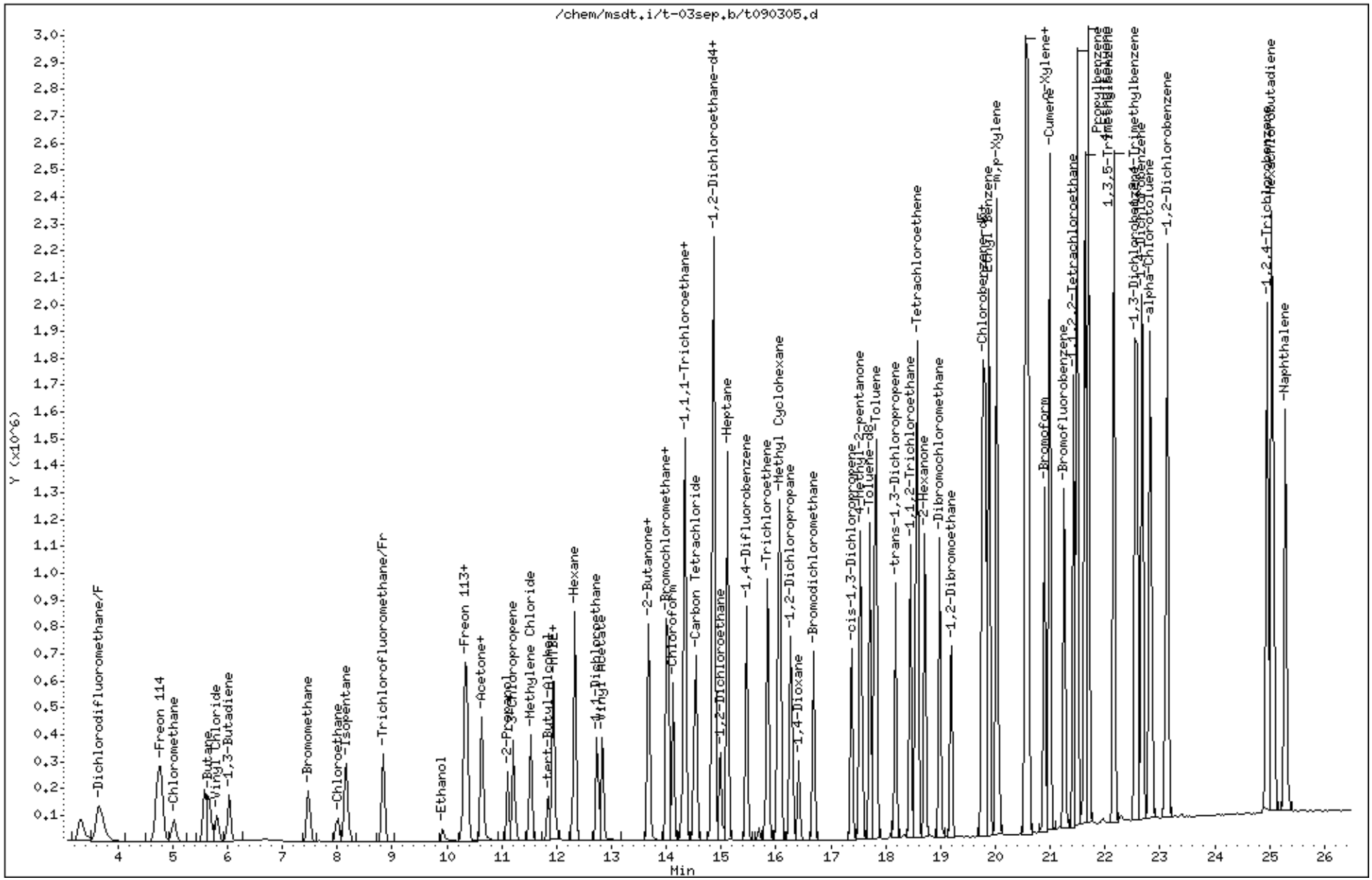
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0103

Data File: /chem/msdt.i/t-03sep.b/t090305.d
Date : 03-SEP-2008 14:46
Client ID: Level 4
Sample Info: 25mL #1612-93

Instrument: msdt.i
Operator: ra
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090306.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 03-SEP-2008 15:21
Operator : ra Inst ID: msdt.i
Smp Info : 50mL #1612-93
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 15:21 Cal File: t090306.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane						CAS #: 74-97-5		
14.036	14.036 (1.000)	130	300269	25.0000		80.00- 120.00		100.00
14.036	14.036 (1.000)	128	235959			28.58- 128.58		78.58
14.008	14.008 (1.000)	49	363000			70.89- 170.89		120.89
* 95 1,4-Difluorobenzene						CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1344091	25.0000		80.00- 120.00		100.00
15.474	15.474 (1.000)	88	188060			0.00- 63.99		13.99
* 123 Chlorobenzene-d5						CAS #: 3114-55-4		
19.759	19.759 (1.000)	117	1375327	25.0000		80.00- 120.00		100.00
19.759	19.759 (1.000)	82	668829			0.00- 98.89		48.63
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
14.893	14.893 (1.061)	65	266792	25.0000	25.228	80.00- 120.00		100.00
14.865	14.865 (1.059)	67	175052			12.42- 112.42		65.61
$ 111 Toluene-d8						CAS #: 2037-26-5		
17.713	17.713 (1.145)	98	1375140	25.0000	25.124	80.00- 120.00		100.00
17.713	17.713 (1.145)	70	124315			0.00- 59.06		9.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	933175			18.20- 118.20	67.86
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	828965	25.0000	24.834	80.00- 120.00	100.00
21.252	21.252 (1.076)	95	965523			66.47- 166.47	116.47
21.280	21.280 (1.077)	176	802116			46.76- 146.76	96.76
12 Propylene					CAS #: 115-07-1		
3.336	3.336 (0.238)	41	448140	50.0000	49.216	80.00- 120.00	100.00
3.336	3.336 (0.238)	42	302196			15.53- 115.53	67.43
3.336	3.336 (0.238)	39	347066			28.39- 128.39	77.45
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	1385830	50.0000	50.133	80.00- 120.00	100.00
3.667	3.667 (0.261)	87	453141			0.00- 80.70	32.70
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	1168594	50.0000	50.107	80.00- 120.00	100.00
4.773	4.773 (0.340)	137	374731			0.00- 82.07	32.07
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	540374	50.0000	51.246	80.00- 120.00	100.00
5.022	5.022 (0.358)	52	166950			0.00- 82.53	30.90
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	577794	50.0000	51.216	80.00- 120.00	100.00
5.796	5.796 (0.413)	64	176593			0.00- 80.97	30.56
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	402506	50.0000	48.559	80.00- 120.00	100.00
6.018	6.018 (0.429)	39	443923			51.68- 151.68	110.29
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	561432	50.0000	52.724	80.00- 120.00	100.00
7.483	7.483 (0.533)	96	535593			45.40- 145.40	95.40
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	346297	50.0000	52.311	80.00- 120.00	100.00
8.008	8.008 (0.571)	49	90022			0.00- 75.56	26.00
8.008	8.008 (0.571)	66	109735			0.00- 82.13	31.69
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	1353762	50.0000	50.307	80.00- 120.00	100.00
8.838	8.838 (0.630)	103	878748			14.91- 114.91	64.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	256451	50.0000	53.522	80.00- 120.00	100.00
9.916	9.916 (0.706)	43	53797			0.00- 73.52	20.98
9.916	9.916 (0.706)	46	102300			0.00- 88.41	39.89
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	1139857	50.0000	51.046	80.00- 120.00	100.00
10.359	10.359 (0.738)	153	728888			13.95- 113.95	63.95
10.359	10.359 (0.738)	101	1188311			54.25- 154.25	104.25
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	858476	50.0000	50.710	80.00- 120.00	100.00
10.303	10.303 (0.734)	96	622242			22.48- 122.48	72.48
10.303	10.303 (0.734)	98	396819			0.00- 96.22	46.22
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	317436	50.0000	49.026	80.00- 120.00	100.00
10.663	10.663 (0.760)	43	1000814			266.99- 366.99	315.28
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	1214172	50.0000	51.499	80.00- 120.00	100.00
11.105	11.105 (0.791)	43	216968			0.00- 68.17	17.87
11.105	11.105 (0.791)	59	47528			0.00- 53.62	3.91
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.635 (0.758)	76	2033126	50.0000	50.896	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	299422	50.0000	52.720	80.00- 120.00	100.00
11.216	11.216 (0.799)	41	916496			254.70- 354.70	306.09
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	734645	50.0000	48.850	80.00- 120.00	100.00
11.520	11.520 (0.821)	84	611606			33.25- 133.25	83.25
11.520	11.520 (0.821)	51	225149			0.00- 80.92	30.65
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	902313	50.0000	49.526	80.00- 120.00	100.00
11.935	11.935 (0.850)	57	241905			0.00- 76.81	26.81
11.935	11.935 (0.850)	41	251690			0.00- 78.85	27.89
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	792149	50.0000	49.897	80.00- 120.00	100.00
11.962	11.962 (0.852)	61	980236			73.74- 173.74	123.74
11.962	11.962 (0.852)	98	502665			10.74- 110.74	63.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	1349798	50.0000	50.252	80.00- 120.00	100.00
12.322	12.322 (0.878)	43	901193			15.42- 115.42	66.77
12.322	12.322 (0.878)	86	257743			0.00- 68.78	19.09
67 Vinyl Acetate					CAS #: 108-05-4		
12.847	12.847 (0.915)	86	231642	50.0000	56.971	80.00- 120.00	100.00
12.819	12.819 (0.913)	43	2171444			943.18-1043.18	937.41
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	1280220	50.0000	51.075	80.00- 120.00	100.00
12.736	12.736 (0.907)	65	405459			0.00- 81.67	31.67
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	458255	50.0000	56.075	80.00- 120.00	100.00
13.704	13.704 (0.976)	43	1795177			341.74- 441.74	391.74
13.704	13.704 (0.976)	57	137375			0.00- 86.11	29.98
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.677	13.677 (0.974)	61	1018516	50.0000	52.003	80.00- 120.00	100.00
13.677	13.677 (0.974)	96	899234			38.29- 138.29	88.29
13.677	13.677 (0.974)	98	581982			7.14- 107.14	57.14
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	1110748	50.0000	49.418	80.00- 120.00	100.00
14.008	14.008 (0.998)	71	407770			0.00- 86.71	36.71
14.008	14.008 (0.998)	72	454415			0.00- 88.98	40.91
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	1373296	50.0000	48.353	80.00- 120.00	100.00
14.119	14.119 (1.006)	85	893225			15.04- 115.04	65.04
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	1453371	50.0000	52.068	80.00- 120.00	100.00
14.340	14.340 (1.022)	99	942940			14.88- 114.88	64.88
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	1433407	50.0000	51.966	80.00- 120.00	100.00
14.312	14.312 (1.020)	56	1639636			64.39- 164.39	114.39
14.312	14.312 (1.020)	41	870359			10.72- 110.72	60.72
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	1410345	50.0000	52.236	80.00- 120.00	100.00
14.534	14.534 (1.035)	117	1446640			52.57- 152.57	102.57
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	2959100	50.0000	47.619	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.865	14.865 (0.961)	77	668394			0.00- 73.43	22.59
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	4864282	50.0000	50.374	80.00- 120.00	100.00
14.838	14.838 (1.057)	56	1608330			0.00- 83.70	33.06
14.838	14.838 (1.057)	41	1160030			0.00- 74.02	23.85
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	859966	50.0000	50.303	80.00- 120.00	100.00
15.004	15.004 (0.970)	64	272723			0.00- 82.84	31.71
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	1164267	50.0000	50.988	80.00- 120.00	100.00
15.114	15.114 (0.977)	43	2047756			126.13- 226.13	175.88
15.114	15.114 (0.977)	57	1048579			42.41- 142.41	90.06
97 Trichloroethene					CAS #: 79-01-6		
15.833	15.833 (1.023)	95	1201865	50.0000	49.884	80.00- 120.00	100.00
15.833	15.833 (1.023)	130	1453625			70.95- 170.95	120.95
15.833	15.833 (1.023)	97	784838			15.30- 115.30	65.30
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	1115887	50.0000	50.156	80.00- 120.00	100.00
16.276	16.276 (1.052)	62	797752			21.49- 121.49	71.49
16.276	16.276 (1.052)	41	566475			0.76- 100.76	50.76
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	786223	50.0000	51.655	80.00- 120.00	100.00
16.414	16.414 (1.061)	58	534974			18.04- 118.04	68.04
16.414	16.414 (1.061)	57	153251			0.00- 70.99	19.49
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	1615044	50.0000	50.710	80.00- 120.00	100.00
16.690	16.690 (1.079)	85	1038738			14.32- 114.32	64.32
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	1568624	50.0000	50.711	80.00- 120.00	100.00
17.382	17.382 (1.123)	77	498497			0.00- 81.78	31.78
17.382	17.382 (1.123)	39	781379			0.00- 99.81	49.81
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	1065310	50.0000	52.680	80.00- 120.00	100.00
17.547	17.547 (1.134)	43	2638675			198.13- 298.13	247.69
17.547	17.547 (1.134)	85	441030			0.00- 91.92	41.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	3938977	50.0000	50.319	80.00- 120.00	100.00
17.824	17.824 (1.152)	92	2397533			10.87- 110.87	60.87
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	1534873	50.0000	52.143	80.00- 120.00	100.00
18.183	18.183 (0.920)	77	487436			0.00- 81.76	31.76
18.183	18.183 (0.920)	39	809277			2.73- 102.73	52.73
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	1381087	50.0000	49.623	80.00- 120.00	100.00
18.460	18.460 (0.934)	99	868377			12.88- 112.88	62.88
18.460	18.460 (0.934)	83	1111055			30.45- 130.45	80.45
117 Tetrachloroethene					CAS #: 127-18-4		
18.570	18.570 (0.940)	166	2107696	50.0000	50.675	80.00- 120.00	100.00
18.570	18.570 (0.940)	129	1388221			15.86- 115.86	65.86
18.570	18.570 (0.940)	131	1331276			13.16- 113.16	63.16
118 2-Hexanone					CAS #: 591-78-6		
18.709	18.709 (0.947)	58	1639912	50.0000	52.556	80.00- 120.00	100.00
18.709	18.709 (0.947)	43	2867428			124.85- 224.85	174.85
18.736	18.736 (0.948)	100	350660			0.00- 70.92	21.38
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	2153557	50.0000	51.473	80.00- 120.00	100.00
18.985	18.985 (0.961)	127	1666287			27.73- 127.73	77.37
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	2159835	50.0000	48.191	80.00- 120.00	100.00
19.206	19.206 (0.972)	109	2040243			44.46- 144.46	94.46
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	3673581	50.0000	49.732	80.00- 120.00	100.00
19.815	19.815 (1.003)	114	1178430			0.00- 82.08	32.08
19.815	19.815 (1.003)	77	1875579			1.06- 101.06	51.06
125 Ethyl Benzene					CAS #: 100-41-4		
19.870	19.870 (1.006)	106	1981217	50.0000	50.076	80.00- 120.00	100.00
19.870	19.870 (1.006)	91	5779740			242.66- 342.66	291.73
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	2500873	50.0000	49.908	80.00- 120.00	100.00
20.036	20.036 (1.014)	91	4459505			127.76- 227.76	178.32
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	2402533	50.0000	50.207	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	4529499			138.53- 238.53	188.53
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	3915198	50.0000	48.360	80.00- 120.00	100.00
20.589	20.589 (1.042)	78	1490430			0.00- 88.07	38.07
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	2346184	50.0000	51.263	80.00- 120.00	100.00
20.893	20.893 (1.057)	171	1212277			1.67- 101.67	51.67
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	6540854	50.0000	46.579	80.00- 120.00	100.00
21.004	21.004 (1.063)	120	1958588			0.00- 79.83	29.94
21.004	21.004 (1.063)	51	625605			0.00- 60.39	9.56
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	3340932	50.0000	48.197	80.00- 120.00	100.00
21.418	21.418 (1.084)	85	2130096			13.76- 113.76	63.76
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	7976714	50.0000	51.537	80.00- 120.00	100.00
21.501	21.501 (1.088)	120	2057166			0.00- 76.14	25.79
21.501	21.501 (1.088)	105	301946			0.00- 54.01	3.79
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	7489774	50.0000	49.932	80.00- 120.00	100.00
21.640	21.640 (1.095)	120	2559634			0.00- 84.18	34.18
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	5978038	50.0000	44.544	80.00- 120.00	100.00
21.695	21.695 (1.098)	120	3276208			5.21- 105.21	54.80
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	5504018	50.0000	44.162	80.00- 120.00	100.00
22.165	22.165 (1.122)	120	2875742			2.79- 102.79	52.25
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	4143319	50.0000	47.546	80.00- 120.00	100.00
22.580	22.580 (1.143)	148	2629465			13.48- 113.48	63.46
22.580	22.580 (1.143)	111	1525176			0.00- 86.47	36.81
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	4132379	50.0000	46.751	80.00- 120.00	100.00
22.690	22.690 (1.148)	148	2630120			13.17- 113.17	63.65
22.663	22.663 (1.147)	111	1428183			0.00- 85.15	34.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.828	22.828 (1.155)	91	5042976	50.0000	49.999	80.00- 120.00	100.00
22.828	22.828 (1.155)	126	1235295			0.00- 74.44	24.50
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	3803209	50.0000	46.626	80.00- 120.00	100.00
23.133	23.133 (1.171)	148	2418440			13.59- 113.59	63.59
23.133	23.133 (1.171)	111	1431914			0.00- 87.65	37.65
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.957	24.957 (1.263)	180	3082567	50.0000	48.748	80.00- 120.00	100.00
24.957	24.957 (1.263)	182	2956629			45.91- 145.91	95.91
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.269)	225	2413345	50.0000	49.400	80.00- 120.00	100.00
25.068	25.068 (1.269)	223	1513017			13.25- 113.25	62.69
22 Butane					CAS #: 106-97-8		
5.686	5.686 (0.405)	58	111089	50.0000	49.902	80.00- 120.00	100.00
5.686	5.686 (0.405)	43	893505			745.17- 845.17	804.31
29 Isopentane					CAS #: 78-78-4		
8.174	8.174 (0.582)	43	730611	50.0000	49.608	80.00- 120.00	100.00
8.174	8.174 (0.582)	57	463542			11.98- 111.98	63.45
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	2052255	50.0000	51.175	80.00- 120.00	100.00
16.054	16.054 (1.144)	98	1048650			0.00- 99.87	51.10
16.054	16.054 (1.144)	55	1574105			29.41- 129.41	76.70
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	787782	50.0000	51.564	80.00- 120.00	100.00
11.852	11.852 (0.844)	41	175883			0.00- 76.34	22.33
11.852	11.852 (0.844)	57	84544			0.00- 59.69	10.73
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	6067049	50.0000	49.213	80.00- 120.00	100.00
25.289	25.289 (1.280)	127	728823			0.00- 61.98	12.01

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090306.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

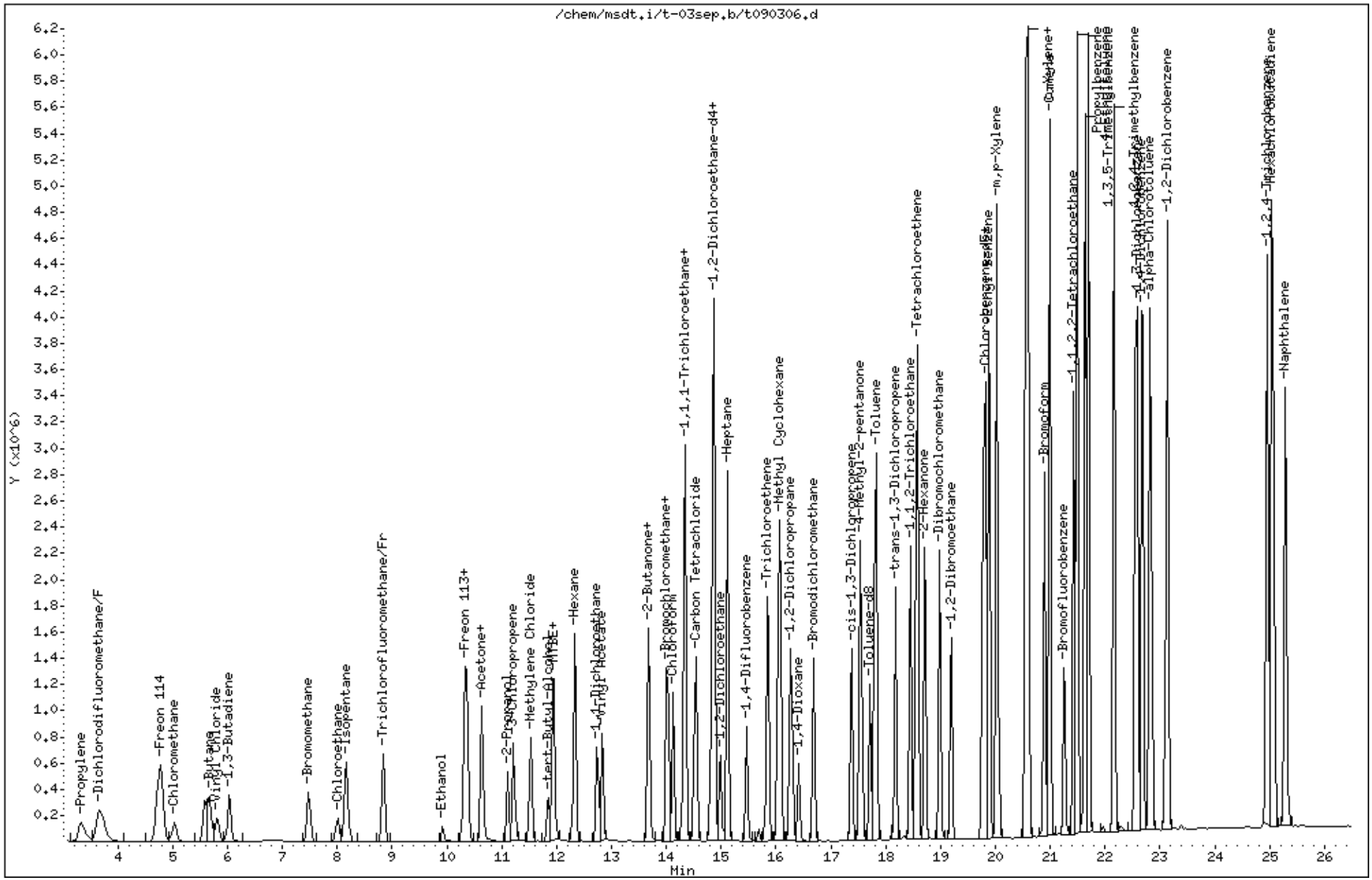
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	300269	0.00
95 1,4-Difluorobenze	1344091	806455	1881727	1344091	0.00
123 Chlorobenzene-d5	1375327	825196	1925458	1375327	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	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/msdt.i/t-03sep.b/t090306.d
Date : 03-SEP-2008 15:21
Client ID: Level 5
Sample Info: 50mL #1612-93

Instrument: msdt.i
Operator: ra
Column phase: RTx-624
Column diameter: 0.53



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090307.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 03-SEP-2008 16:00
Operator : ra Inst ID: msdt.i
Smp Info : 100mL #1612-93
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 16:00 Cal File: t090307.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane					CAS #: 74-97-5			
14.036	14.036 (1.000)	130	310053	25.0000		50.00- 150.00		100.00
14.036	14.036 (1.000)	128	240407			27.57- 127.57		77.54
14.008	14.008 (1.000)	49	353061			66.60- 166.60		113.87
* 95 1,4-Difluorobenzene					CAS #: 540-36-3			
15.474	15.474 (1.000)	114	1318911	25.0000		50.00- 150.00		100.00
15.474	15.474 (1.000)	88	184424			0.00- 64.01		13.98
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
19.759	19.759 (1.000)	117	1379237	25.0000		50.00- 150.00		100.00
19.759	19.759 (1.000)	82	669681			0.00- 98.89		48.55
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.866	14.866 (1.059)	65	276321	25.0000	25.304	50.00- 150.00		100.00
14.866	14.866 (1.059)	67	191634			12.42- 112.42		69.35
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.713	17.713 (1.145)	98	1360161	25.0000	25.325	50.00- 150.00		100.00
17.713	17.713 (1.145)	70	123514			0.00- 59.06		9.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	934125			18.20- 118.20	68.68
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	839619	25.0000	25.082	50.00- 150.00	100.00
21.253	21.253 (1.076)	95	965788			66.29- 166.29	115.03
21.280	21.280 (1.077)	176	812981			46.99- 146.99	96.83
12 Propylene					CAS #: 115-07-1		
3.336	3.336 (0.238)	41	902463	100.000	95.984	50.00- 150.00	100.00
3.336	3.336 (0.238)	42	605298			15.53- 115.53	67.07
3.336	3.336 (0.238)	39	694899			28.39- 128.39	77.00
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	2753229	100.000	96.457	50.00- 150.00	100.00
3.667	3.667 (0.261)	87	896466			0.00- 80.70	32.56
17 Freon 114					CAS #: 76-14-2		
4.773	4.773 (0.340)	135	2369329	100.000	98.387	50.00- 150.00	100.00
4.773	4.773 (0.340)	137	756823			0.00- 81.80	31.94
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	1053276	100.000	96.734	50.00- 150.00	100.00
5.050	5.050 (0.360)	52	332571			0.00- 82.53	31.57
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	1138384	100.000	97.722	50.00- 150.00	100.00
5.796	5.796 (0.413)	64	353816			0.00- 80.97	31.08
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	879749	100.000	102.78	50.00- 150.00	100.00
6.018	6.018 (0.429)	39	964026			51.68- 151.68	109.58
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	1111941	100.000	101.13	50.00- 150.00	100.00
7.483	7.483 (0.533)	96	1059301			47.21- 147.21	95.27
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	696678	100.000	101.92	50.00- 150.00	100.00
8.008	8.008 (0.571)	49	181996			0.00- 75.56	26.12
8.008	8.008 (0.571)	66	223289			0.00- 82.13	32.05
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	2820985	100.000	101.52	50.00- 150.00	100.00
8.838	8.838 (0.630)	103	1830335			15.55- 115.55	64.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	540709	100.000	109.29	50.00- 150.00	100.00
9.916	9.916 (0.706)	43	107929			0.00- 73.52	19.96
9.916	9.916 (0.706)	46	211817			0.00- 88.41	39.17
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	2296359	100.000	99.593	50.00- 150.00	100.00
10.359	10.359 (0.738)	153	1471984			13.95- 113.95	64.10
10.359	10.359 (0.738)	101	2371245			54.34- 154.34	103.26
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	1767394	100.000	101.11	50.00- 150.00	100.00
10.303	10.303 (0.734)	96	1255562			29.59- 129.59	71.04
10.303	10.303 (0.734)	98	810190			0.00- 96.70	45.84
45 Acetone					CAS #: 67-64-1		
10.635	10.635 (0.758)	58	624935	100.000	93.471	50.00- 150.00	100.00
10.635	10.635 (0.758)	43	1997620			266.99- 366.99	319.65
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	2453960	100.000	100.80	50.00- 150.00	100.00
11.105	11.105 (0.791)	43	434362			0.00- 68.17	17.70
11.105	11.105 (0.791)	59	94604			0.00- 53.62	3.86
48 Carbon Disulfide					CAS #: 75-15-0		
10.607	10.607 (0.756)	76	4119506	100.000	99.870	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	582036	100.000	99.248	50.00- 150.00	100.00
11.216	11.216 (0.799)	41	1806694			254.70- 354.70	310.41
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	1543145	100.000	99.373	50.00- 150.00	100.00
11.520	11.520 (0.821)	84	1270624			33.20- 133.20	82.34
11.520	11.520 (0.821)	51	471087			0.00- 80.92	30.53
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	1812099	100.000	96.324	50.00- 150.00	100.00
11.935	11.935 (0.850)	57	471819			0.00- 78.68	26.04
11.935	11.935 (0.850)	41	459105			0.00- 78.85	25.34
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	1516611	100.000	92.516	50.00- 150.00	100.00
11.935	11.935 (0.850)	61	1892487			70.11- 170.11	124.78
11.962	11.962 (0.852)	98	975717			10.74- 110.74	64.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	2529814	100.000	91.211	50.00- 150.00	100.00
12.322	12.322 (0.878)	43	1692830			15.42- 115.42	66.92
12.322	12.322 (0.878)	86	478276			0.00- 68.78	18.91
67 Vinyl Acetate					CAS #: 108-05-4		
12.819	12.819 (0.913)	86	442634	100.000	105.43	50.00- 150.00	100.00
12.819	12.819 (0.913)	43	4144450			943.18-1043.18	936.32
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	2480037	100.000	95.821	50.00- 150.00	100.00
12.736	12.736 (0.907)	65	778626			0.00- 81.97	31.40
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	869329	100.000	103.02	50.00- 150.00	100.00
13.677	13.677 (0.974)	43	3444256			370.06- 470.06	396.20
13.704	13.704 (0.976)	57	260124			0.00- 86.11	29.92
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.649	13.649 (0.972)	61	1934043	100.000	95.632	50.00- 150.00	100.00
13.677	13.677 (0.974)	96	1732686			43.19- 143.19	89.59
13.677	13.677 (0.974)	98	1109690			7.76- 107.76	57.38
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	2121059	100.000	91.390	50.00- 150.00	100.00
14.008	14.008 (0.998)	71	788876			0.00- 84.99	37.19
14.008	14.008 (0.998)	72	865542			0.00- 88.98	40.81
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	2667599	100.000	90.961	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	1728536			15.52- 115.52	64.80
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	2888884	100.000	100.23	50.00- 150.00	100.00
14.340	14.340 (1.022)	99	1871897			14.12- 114.12	64.80
84 Cyclohexane					CAS #: 110-82-7		
14.313	14.313 (1.020)	84	2742496	100.000	96.287	50.00- 150.00	100.00
14.313	14.313 (1.020)	56	3098925			65.10- 165.10	113.00
14.313	14.313 (1.020)	41	1678967			13.26- 113.26	61.22
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	2810843	100.000	100.82	50.00- 150.00	100.00
14.534	14.534 (1.035)	117	2894823			53.34- 153.34	102.99
91 Benzene					CAS #: 71-43-2		
14.866	14.866 (0.961)	78	5581391	100.000	91.533	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.866	14.866 (0.961)	77	1267057			0.00- 73.43	22.70
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	9125855	100.000	91.523	50.00- 150.00	100.00
14.838	14.838 (1.057)	56	3023636			0.00- 83.70	33.13
14.838	14.838 (1.057)	41	2220710			0.00- 74.02	24.33
93 1,2-Dichloroethane					CAS #: 107-06-2		
14.976	14.976 (0.968)	62	1682425	100.000	100.29	50.00- 150.00	100.00
14.976	14.976 (0.968)	64	526362			0.00- 82.84	31.29
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	2210133	100.000	98.638	50.00- 150.00	100.00
15.114	15.114 (0.977)	43	3839891			126.13- 226.13	173.74
15.114	15.114 (0.977)	57	1974501			42.41- 142.41	89.34
97 Trichloroethene					CAS #: 79-01-6		
15.833	15.833 (1.023)	95	2303780	100.000	97.445	50.00- 150.00	100.00
15.833	15.833 (1.023)	130	2790028			67.07- 167.07	121.11
15.833	15.833 (1.023)	97	1495890			14.49- 114.49	64.93
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	2114519	100.000	96.856	50.00- 150.00	100.00
16.276	16.276 (1.052)	62	1516344			20.56- 120.56	71.71
16.276	16.276 (1.052)	41	1086629			0.75- 100.75	51.39
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	1531184	100.000	102.52	50.00- 150.00	100.00
16.414	16.414 (1.061)	58	1030758			20.06- 120.06	67.32
16.414	16.414 (1.061)	57	298304			0.00- 70.99	19.48
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	3136346	100.000	100.36	50.00- 150.00	100.00
16.690	16.690 (1.079)	85	2010626			13.41- 113.41	64.11
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	3050585	100.000	100.50	50.00- 150.00	100.00
17.382	17.382 (1.123)	77	973934			0.00- 83.54	31.93
17.354	17.354 (1.121)	39	1505793			0.05- 100.05	49.36
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	2039659	100.000	102.79	50.00- 150.00	100.00
17.547	17.547 (1.134)	43	5064382			198.13- 298.13	248.30
17.547	17.547 (1.134)	85	871091			0.00- 91.92	42.71

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	7638147	100.000	99.438	50.00- 150.00	100.00
17.824	17.824 (1.152)	92	4637542			11.09- 111.09	60.72
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	3019151	100.000	102.28	50.00- 150.00	100.00
18.183	18.183 (0.920)	77	966789			0.00- 84.60	32.02
18.183	18.183 (0.920)	39	1562608			5.19- 105.19	51.76
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	2690020	100.000	96.380	50.00- 150.00	100.00
18.460	18.460 (0.934)	99	1702986			12.37- 112.37	63.31
18.460	18.460 (0.934)	83	2158037			29.92- 129.92	80.22
117 Tetrachloroethene					CAS #: 127-18-4		
18.571	18.571 (0.940)	166	4195800	100.000	100.59	50.00- 150.00	100.00
18.571	18.571 (0.940)	129	2749853			16.22- 116.22	65.54
18.571	18.571 (0.940)	131	2634516			13.89- 113.89	62.79
118 2-Hexanone					CAS #: 591-78-6		
18.709	18.709 (0.947)	58	3180717	100.000	101.65	50.00- 150.00	100.00
18.709	18.709 (0.947)	43	5530130			125.65- 225.65	173.86
18.709	18.709 (0.947)	100	711451			0.00- 70.92	22.37
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	4326036	100.000	103.10	50.00- 150.00	100.00
18.985	18.985 (0.961)	127	3356228			27.73- 127.73	77.58
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	4307917	100.000	95.846	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	4075174			45.52- 145.52	94.60
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	7374104	100.000	99.546	50.00- 150.00	100.00
19.815	19.815 (1.003)	114	2367363			0.00- 81.73	32.10
19.815	19.815 (1.003)	77	3737342			6.71- 106.71	50.68
125 Ethyl Benzene					CAS #: 100-41-4		
19.870	19.870 (1.006)	106	3996388	100.000	100.72	50.00- 150.00	100.00
19.870	19.870 (1.006)	91	11461234			242.66- 342.66	286.79
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	5031819	100.000	100.13	50.00- 150.00	100.00
20.036	20.036 (1.014)	91	8942347			127.76- 227.76	177.72
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	4826671	100.000	100.58	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	9049332			138.71- 238.71	187.49
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	7920175	100.000	97.551	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	3009311			0.00- 88.34	38.00
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	4880940	100.000	106.34	50.00- 150.00	100.00
20.893	20.893 (1.057)	171	2522101			1.16- 101.16	51.67
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	13239905	100.000	94.017	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	3983710			0.00- 79.83	30.09
21.004	21.004 (1.063)	51	1191581			0.00- 60.39	9.00
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	6720601	100.000	96.678	50.00- 150.00	100.00
21.418	21.418 (1.084)	85	4286995			13.96- 113.96	63.79
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	15931134	100.000	102.64	50.00- 150.00	100.00
21.501	21.501 (1.088)	120	4182413			0.00- 76.14	26.25
21.501	21.501 (1.088)	105	614768			0.00- 54.01	3.86
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	15516860	100.000	103.15	50.00- 150.00	100.00
21.640	21.640 (1.095)	120	5364407			0.00- 84.79	34.57
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	12108578	100.000	89.968	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	6766044			5.21- 105.21	55.88
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	11419475	100.000	91.366	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	5973314			2.79- 102.79	52.31
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	8861253	100.000	101.40	50.00- 150.00	100.00
22.580	22.580 (1.143)	148	5621178			13.48- 113.48	63.44
22.552	22.552 (1.141)	111	3054179			0.00- 86.47	34.47
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	8753100	100.000	98.746	50.00- 150.00	100.00
22.690	22.690 (1.148)	148	5568090			13.17- 113.17	63.61
22.663	22.663 (1.147)	111	3127059			0.00- 85.15	35.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.829	22.829 (1.155)	91	10627947	100.000	105.07	50.00- 150.00	100.00
22.829	22.829 (1.155)	126	2624285			0.00- 74.44	24.69
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	8093252	100.000	98.940	50.00- 150.00	100.00
23.133	23.133 (1.171)	148	5140592			13.91- 113.91	63.52
23.133	23.133 (1.171)	111	3014021			0.00- 88.27	37.24
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.958	24.958 (1.263)	180	6782619	100.000	106.96	50.00- 150.00	100.00
24.958	24.958 (1.263)	182	6439897			45.65- 145.65	94.95
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.269)	225	5253072	100.000	107.22	50.00- 150.00	100.00
25.041	25.041 (1.267)	223	3285520			13.25- 113.25	62.54
22 Butane					CAS #: 106-97-8		
5.686	5.686 (0.405)	58	234600	100.000	102.06	50.00- 150.00	100.00
5.686	5.686 (0.405)	43	1878111			745.17- 845.17	800.56
29 Isopentane					CAS #: 78-78-4		
8.174	8.174 (0.582)	43	1471898	100.000	96.788	50.00- 150.00	100.00
8.174	8.174 (0.582)	57	934942			11.98- 111.98	63.52
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	4013291	100.000	96.918	50.00- 150.00	100.00
16.054	16.054 (1.144)	98	2066702			0.00- 99.87	51.50
16.054	16.054 (1.144)	55	3032212			29.41- 129.41	75.55
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.824	11.824 (0.842)	59	1279558	100.000	81.110	50.00- 150.00	100.00
11.824	11.824 (0.842)	41	310508			0.00- 76.34	24.27
11.824	11.824 (0.842)	57	163066			0.00- 59.69	12.74
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	12939084	100.000	104.66	50.00- 150.00	100.00
25.289	25.289 (1.280)	127	1566085			0.00- 61.98	12.10

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090307.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	310053	3.26
95 1,4-Difluorobenze	1344091	806455	1881727	1318911	-1.87
123 Chlorobenzene-d5	1375327	825196	1925458	1379237	0.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	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/msdt.i/t-03sep.b/t090307.d

Date : 03-SEP-2008 16:00

Client ID: Level 6

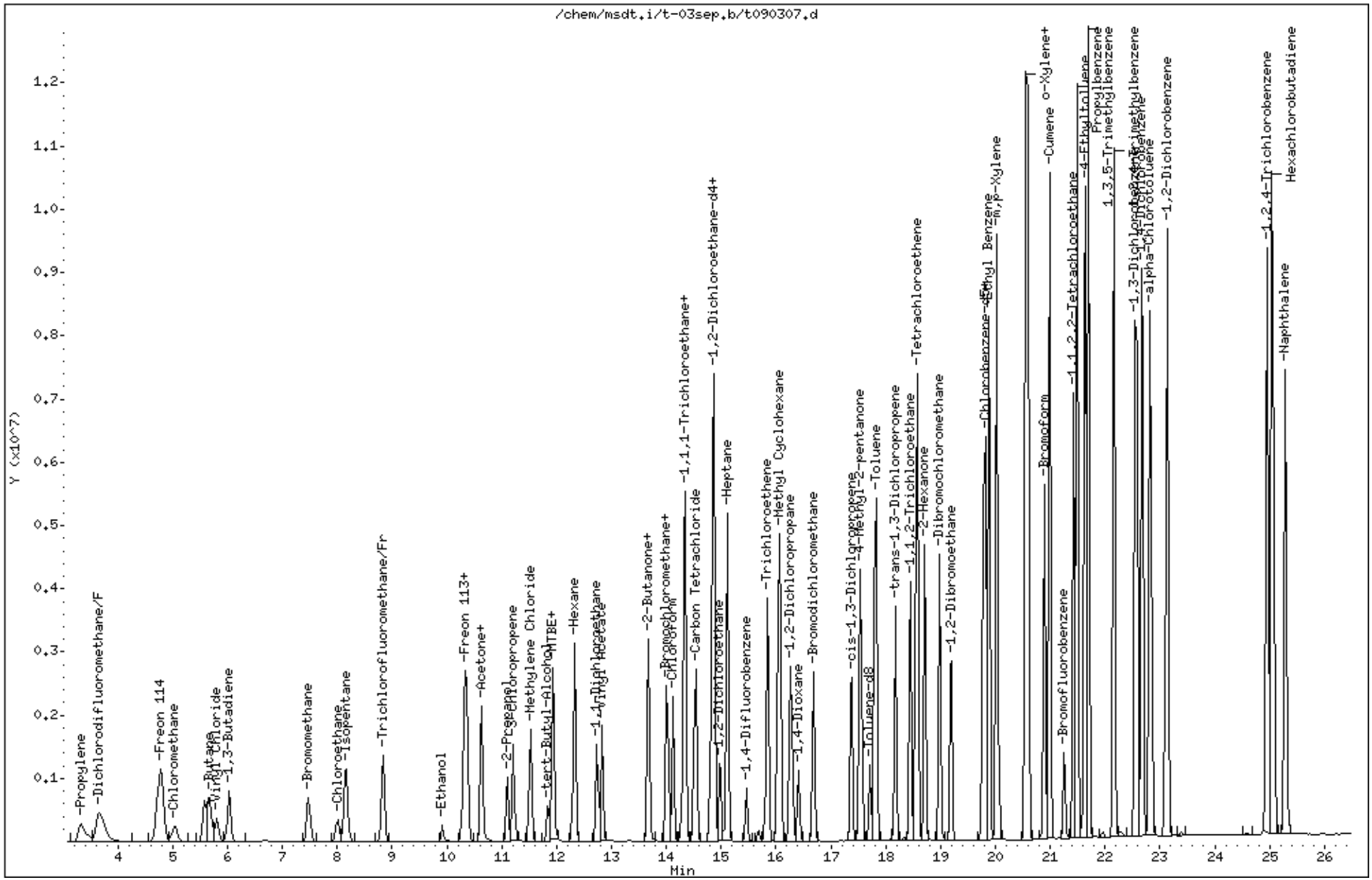
Sample Info: 100mL #1612-93

Column phase: RTx-624

Instrument: msdt.i

Operator: ra

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-03sep.b/t090308.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 03-SEP-2008 16:35
Operator : ra Inst ID: msdt.i
Smp Info : 200mL #1612-93
Misc Info : 200ppbv ->200ppbv
Comment :
Method : /chem/msdt.i/t-03sep.b/t14q903a.m
Meth Date : 08-Sep-2008 09:53 ctaylor Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane					CAS #: 74-97-5			
14.036	14.036 (1.000)	130	333563	25.0000		50.00- 150.00		100.00
14.036	14.036 (1.000)	128	260484			27.57- 127.57		78.09
14.036	14.036 (1.000)	49	379792			66.60- 166.60		113.86
* 95 1,4-Difluorobenzene					CAS #: 540-36-3			
15.474	15.474 (1.000)	114	1337824	25.0000		50.00- 150.00		100.00
15.474	15.474 (1.000)	88	186161			0.00- 64.01		13.92
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
19.759	19.759 (1.000)	117	1410357	25.0000		50.00- 150.00		100.00
19.759	19.759 (1.000)	82	685051			0.00- 98.89		48.57
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.865	14.865 (1.059)	65	307090	25.0000	26.140	50.00- 150.00		100.00
14.865	14.865 (1.059)	67	233239			12.42- 112.42		75.95
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.713	17.713 (1.145)	98	1381515	25.0000	25.359	50.00- 150.00		100.00
17.713	17.713 (1.145)	70	124458			0.00- 59.06		9.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.713	17.713 (1.145)	100	940069			18.20- 118.20	68.05
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.077)	174	866966	25.0000	25.327	50.00- 150.00	100.00
21.253	21.253 (1.076)	95	998140			66.29- 166.29	115.13
21.280	21.280 (1.077)	176	841423			46.99- 146.99	97.05
12 Propylene					CAS #: 115-07-1		
3.363	3.363 (0.240)	41	1796112	200.000	177.57	50.00- 150.00	100.00
3.336	3.336 (0.238)	42	1204782			15.53- 115.53	67.08
3.336	3.336 (0.238)	39	1374331			28.39- 128.39	76.52
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	5414702	200.000	176.33	50.00- 150.00	100.00
3.667	3.667 (0.261)	87	1768243			0.00- 80.70	32.66
17 Freon 114					CAS #: 76-14-2		
4.801	4.801 (0.342)	135	4634997	200.000	178.90	50.00- 150.00	100.00
4.801	4.801 (0.342)	137	1485076			0.00- 81.80	32.04
21 Chloromethane					CAS #: 74-87-3		
5.050	5.050 (0.360)	50	2113944	200.000	180.46	50.00- 150.00	100.00
5.050	5.050 (0.360)	52	657557			0.00- 82.53	31.11
23 Vinyl Chloride					CAS #: 75-01-4		
5.824	5.824 (0.415)	62	2244748	200.000	179.11	50.00- 150.00	100.00
5.824	5.824 (0.415)	64	698286			0.00- 80.97	31.11
24 1,3-Butadiene					CAS #: 106-99-0		
6.045	6.045 (0.431)	54	1823634	200.000	198.05	50.00- 150.00	100.00
6.045	6.045 (0.431)	39	2001795			51.68- 151.68	109.77
26 Bromomethane					CAS #: 74-83-9		
7.483	7.483 (0.533)	94	2157743	200.000	182.41	50.00- 150.00	100.00
7.483	7.483 (0.533)	96	2050212			47.21- 147.21	95.02
28 Chloroethane					CAS #: 75-00-3		
8.008	8.008 (0.571)	64	1391977	200.000	189.28	50.00- 150.00	100.00
8.008	8.008 (0.571)	49	369638			0.00- 75.56	26.55
8.008	8.008 (0.571)	66	442003			0.00- 82.13	31.75
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	5857671	200.000	195.95	50.00- 150.00	100.00
8.838	8.838 (0.630)	103	3794874			15.55- 115.55	64.78

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	1111393	200.000	208.80	50.00- 150.00	100.00(A)
9.916	9.916 (0.706)	43	227501			0.00- 73.52	20.47
9.916	9.916 (0.706)	46	451002			0.00- 88.41	40.58
43 Freon 113					CAS #: 76-13-1		
10.359	10.359 (0.738)	151	4722121	200.000	190.36	50.00- 150.00	100.00
10.359	10.359 (0.738)	153	3026736			13.95- 113.95	64.10
10.359	10.359 (0.738)	101	4829352			54.34- 154.34	102.27
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	3703598	200.000	196.94	50.00- 150.00	100.00
10.303	10.303 (0.734)	96	2566114			29.59- 129.59	69.29
10.303	10.303 (0.734)	98	1650977			0.00- 96.70	44.58
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	1316887	200.000	183.08	50.00- 150.00	100.00
10.663	10.663 (0.760)	43	4308852			266.99- 366.99	327.20
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	5195586	200.000	198.37	50.00- 150.00	100.00
11.105	11.105 (0.791)	43	907876			0.00- 68.17	17.47
11.105	11.105 (0.791)	59	199791			0.00- 53.62	3.85
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.635 (0.758)	76	8198514	200.000	184.75	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	1220672	200.000	193.48	50.00- 150.00	100.00
11.216	11.216 (0.799)	41	3787525			254.70- 354.70	310.28
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	3209338	200.000	192.10	50.00- 150.00	100.00
11.520	11.520 (0.821)	84	2591270			33.20- 133.20	80.74
11.520	11.520 (0.821)	51	973098			0.00- 80.92	30.32
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	3506376	200.000	173.25	50.00- 150.00	100.00
11.935	11.935 (0.850)	57	909489			0.00- 78.68	25.94
11.935	11.935 (0.850)	41	903430			0.00- 78.85	25.77
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	3063157	200.000	173.69	50.00- 150.00	100.00
11.962	11.962 (0.852)	61	3872980			70.11- 170.11	126.44
11.962	11.962 (0.852)	98	1968164			10.74- 110.74	64.25

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	4741317	200.000	158.90	50.00- 150.00	100.00
12.322	12.322 (0.878)	43	3203973			15.42- 115.42	67.58
12.322	12.322 (0.878)	86	899606			0.00- 68.78	18.97
67 Vinyl Acetate					CAS #: 108-05-4		
12.819	12.819 (0.913)	86	841018	200.000	186.20	50.00- 150.00	100.00
12.819	12.819 (0.913)	43	8160876			943.18-1043.18	970.36
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	4980737	200.000	178.88	50.00- 150.00	100.00
12.736	12.736 (0.907)	65	1571313			0.00- 81.97	31.55
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	1649892	200.000	181.74	50.00- 150.00	100.00
13.704	13.704 (0.976)	43	6658640			370.06- 470.06	403.58
13.704	13.704 (0.976)	57	499947			0.00- 86.11	30.30
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.677	13.677 (0.974)	61	3831007	200.000	176.08	50.00- 150.00	100.00
13.677	13.677 (0.974)	96	3396163			43.19- 143.19	88.65
13.677	13.677 (0.974)	98	2177600			7.76- 107.76	56.84
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	4231449	200.000	169.47	50.00- 150.00	100.00
14.008	14.008 (0.998)	71	1558541			0.00- 84.99	36.83
14.008	14.008 (0.998)	72	1723596			0.00- 88.98	40.73
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	5331861	200.000	168.99	50.00- 150.00	100.00
14.119	14.119 (1.006)	85	3473916			15.52- 115.52	65.15
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	5639699	200.000	181.88	50.00- 150.00	100.00
14.340	14.340 (1.022)	99	3649849			14.12- 114.12	64.72
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	4973763	200.000	162.32	50.00- 150.00	100.00
14.312	14.312 (1.020)	56	5631974			65.10- 165.10	113.23
14.312	14.312 (1.020)	41	3161503			13.26- 113.26	63.56
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	5638494	200.000	187.99	50.00- 150.00	100.00
14.534	14.534 (1.035)	117	5821416			53.34- 153.34	103.24
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	10162168	200.000	164.30	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.865	14.865 (0.961)	77	2316922			0.00- 73.43	22.80
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	16710847	200.000	155.78	50.00- 150.00	100.00
14.838	14.838 (1.057)	56	5533031			0.00- 83.70	33.11
14.838	14.838 (1.057)	41	4210760			0.00- 74.02	25.20
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	3427824	200.000	201.44	50.00- 150.00	100.00(A)
15.004	15.004 (0.970)	64	1076126			0.00- 82.84	31.39
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	4040211	200.000	177.76	50.00- 150.00	100.00
15.114	15.114 (0.977)	43	7122165			126.13- 226.13	176.28
15.114	15.114 (0.977)	57	3607781			42.41- 142.41	89.30
97 Trichloroethene					CAS #: 79-01-6		
15.833	15.833 (1.023)	95	4452724	200.000	185.68	50.00- 150.00	100.00
15.833	15.833 (1.023)	130	5464938			67.07- 167.07	122.73
15.833	15.833 (1.023)	97	2875859			14.49- 114.49	64.59
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.276 (1.052)	63	4066152	200.000	183.62	50.00- 150.00	100.00
16.276	16.276 (1.052)	62	2896896			20.56- 120.56	71.24
16.276	16.276 (1.052)	41	2122902			0.75- 100.75	52.21
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	3031945	200.000	200.13	50.00- 150.00	100.00(A)
16.414	16.414 (1.061)	58	2013594			20.06- 120.06	66.41
16.414	16.414 (1.061)	57	590144			0.00- 70.99	19.46
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	6204724	200.000	195.73	50.00- 150.00	100.00
16.690	16.690 (1.079)	85	3985704			13.41- 113.41	64.24
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.382	17.382 (1.123)	75	5946934	200.000	193.15	50.00- 150.00	100.00
17.382	17.382 (1.123)	77	1905811			0.00- 83.54	32.05
17.354	17.354 (1.121)	39	2975846			0.05- 100.05	50.04
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	3832061	200.000	190.38	50.00- 150.00	100.00
17.547	17.547 (1.134)	43	9706318			198.13- 298.13	253.29
17.547	17.547 (1.134)	85	1675778			0.00- 91.92	43.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	14623191	200.000	187.68	50.00- 150.00	100.00
17.824	17.824 (1.152)	92	8941694			11.09- 111.09	61.15
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.920)	75	5979337	200.000	198.08	50.00- 150.00	100.00
18.183	18.183 (0.920)	77	1910414			0.00- 84.60	31.95
18.183	18.183 (0.920)	39	3071122			5.19- 105.19	51.36
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.934)	97	5212130	200.000	182.62	50.00- 150.00	100.00
18.460	18.460 (0.934)	99	3273420			12.37- 112.37	62.80
18.460	18.460 (0.934)	83	4142308			29.92- 129.92	79.47
117 Tetrachloroethene					CAS #: 127-18-4		
18.571	18.571 (0.940)	166	7970564	200.000	186.88	50.00- 150.00	100.00
18.571	18.571 (0.940)	129	5152231			16.22- 116.22	64.64
18.571	18.571 (0.940)	131	4960059			13.89- 113.89	62.23
118 2-Hexanone					CAS #: 591-78-6		
18.709	18.709 (0.947)	58	6013259	200.000	187.93	50.00- 150.00	100.00
18.709	18.709 (0.947)	43	10560391			125.65- 225.65	175.62
18.736	18.736 (0.948)	100	1404156			0.00- 70.92	23.35
121 Dibromochloromethane					CAS #: 124-48-1		
18.985	18.985 (0.961)	129	8444630	200.000	196.82	50.00- 150.00	100.00
18.985	18.985 (0.961)	127	6548087			27.73- 127.73	77.54
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.972)	107	8435596	200.000	183.54	50.00- 150.00	100.00
19.206	19.206 (0.972)	109	7958669			45.52- 145.52	94.35
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.003)	112	14348413	200.000	189.42	50.00- 150.00	100.00
19.815	19.815 (1.003)	114	4634584			0.00- 81.73	32.30
19.815	19.815 (1.003)	77	7195222			6.71- 106.71	50.15
125 Ethyl Benzene					CAS #: 100-41-4		
19.870	19.870 (1.006)	106	7840696	200.000	193.26	50.00- 150.00	100.00
19.870	19.870 (1.006)	91	22075943			242.66- 342.66	281.56
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.014)	106	9689362	200.000	188.56	50.00- 150.00	100.00
20.036	20.036 (1.014)	91	17011964			127.76- 227.76	175.57
130 o-Xylene					CAS #: 95-47-6		
20.561	20.561 (1.041)	106	9033420	200.000	184.09	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.561	20.561 (1.041)	91	16701218			138.71- 238.71	184.88
131 Styrene					CAS #: 100-42-5		
20.589	20.589 (1.042)	104	14749058	200.000	177.65	50.00- 150.00	100.00
20.589	20.589 (1.042)	78	5692251			0.00- 88.34	38.59
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.057)	173	9546844	200.000	203.41	50.00- 150.00	100.00(A)
20.893	20.893 (1.057)	171	4951599			1.16- 101.16	51.87
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.063)	105	24029591	200.000	166.87	50.00- 150.00	100.00
21.004	21.004 (1.063)	120	7756248			0.00- 79.83	32.28
21.004	21.004 (1.063)	51	2204329			0.00- 60.39	9.17
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.418	21.418 (1.084)	83	13191666	200.000	185.58	50.00- 150.00	100.00
21.418	21.418 (1.084)	85	8448902			13.96- 113.96	64.05
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.088)	91	24742007	200.000	155.89	50.00- 150.00	100.00
21.501	21.501 (1.088)	120	8187596			0.00- 76.14	33.09
21.501	21.501 (1.088)	105	1195939			0.00- 54.01	4.83
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.640 (1.095)	105	27570406	200.000	179.24	50.00- 150.00	100.00
21.640	21.640 (1.095)	120	10337554			0.00- 84.79	37.50
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.695	21.695 (1.098)	105	23731590	200.000	172.44	50.00- 150.00	100.00
21.695	21.695 (1.098)	120	13414934			5.21- 105.21	56.53
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.122)	105	22431190	200.000	175.51	50.00- 150.00	100.00
22.165	22.165 (1.122)	120	11897355			2.79- 102.79	53.04
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.143)	146	18071098	200.000	202.22	50.00- 150.00	100.00(A)
22.580	22.580 (1.143)	148	11539740			13.48- 113.48	63.86
22.580	22.580 (1.143)	111	6486555			0.00- 86.47	35.89
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.148)	146	17925167	200.000	197.76	50.00- 150.00	100.00
22.690	22.690 (1.148)	148	11456891			13.17- 113.17	63.92
22.663	22.663 (1.147)	111	6102290			0.00- 85.15	34.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.829	22.829 (1.155)	91	21563484	200.000	208.48	50.00- 150.00	100.00(A)
22.829	22.829 (1.155)	126	5479982			0.00- 74.44	25.41
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.133	23.133 (1.171)	146	16446015	200.000	196.62	50.00- 150.00	100.00
23.133	23.133 (1.171)	148	10509381			13.91- 113.91	63.90
23.133	23.133 (1.171)	111	6104942			0.00- 88.27	37.12
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.958	24.958 (1.263)	180	14391160	200.000	221.93	50.00- 150.00	100.00(A)
24.958	24.958 (1.263)	182	13658130			45.65- 145.65	94.91
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.269)	225	10438914	200.000	208.37	50.00- 150.00	100.00(A)
25.068	25.068 (1.269)	223	6592408			13.25- 113.25	63.15
22 Butane					CAS #: 106-97-8		
5.686	5.686 (0.405)	58	472124	200.000	190.91	50.00- 150.00	100.00
5.686	5.686 (0.405)	43	3824182			745.17- 845.17	810.00
29 Isopentane					CAS #: 78-78-4		
8.174	8.174 (0.582)	43	3112702	200.000	190.26	50.00- 150.00	100.00
8.174	8.174 (0.582)	57	1958505			11.98- 111.98	62.92
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.054	16.054 (1.144)	83	7683301	200.000	172.47	50.00- 150.00	100.00
16.054	16.054 (1.144)	98	3965743			0.00- 99.87	51.62
16.054	16.054 (1.144)	55	5787451			29.41- 129.41	75.33
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	2090198	200.000	123.16	50.00- 150.00	100.00
11.852	11.852 (0.844)	41	500573			0.00- 76.34	23.95
11.852	11.852 (0.844)	57	262691			0.00- 59.69	12.57
171 Naphthalene					CAS #: 91-20-3		
25.289	25.289 (1.280)	128	27751455	200.000	219.51	50.00- 150.00	100.00(A)
25.289	25.289 (1.280)	127	3430770			0.00- 61.98	12.36

QC Flag Legend

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

Report Date: 08-Sep-2008 09:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090308.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ra
Method File: /chem/msdt.i/t-03sep.b/t14q903a.m
Misc Info: 200ppbv ->200ppbv

Calibration Date: 03-SEP-2008
Calibration Time: 15:21
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	300269	180161	420377	333563	11.09
95 1,4-Difluorobenze	1344091	806455	1881727	1337824	-0.47
123 Chlorobenzene-d5	1375327	825196	1925458	1410357	2.55

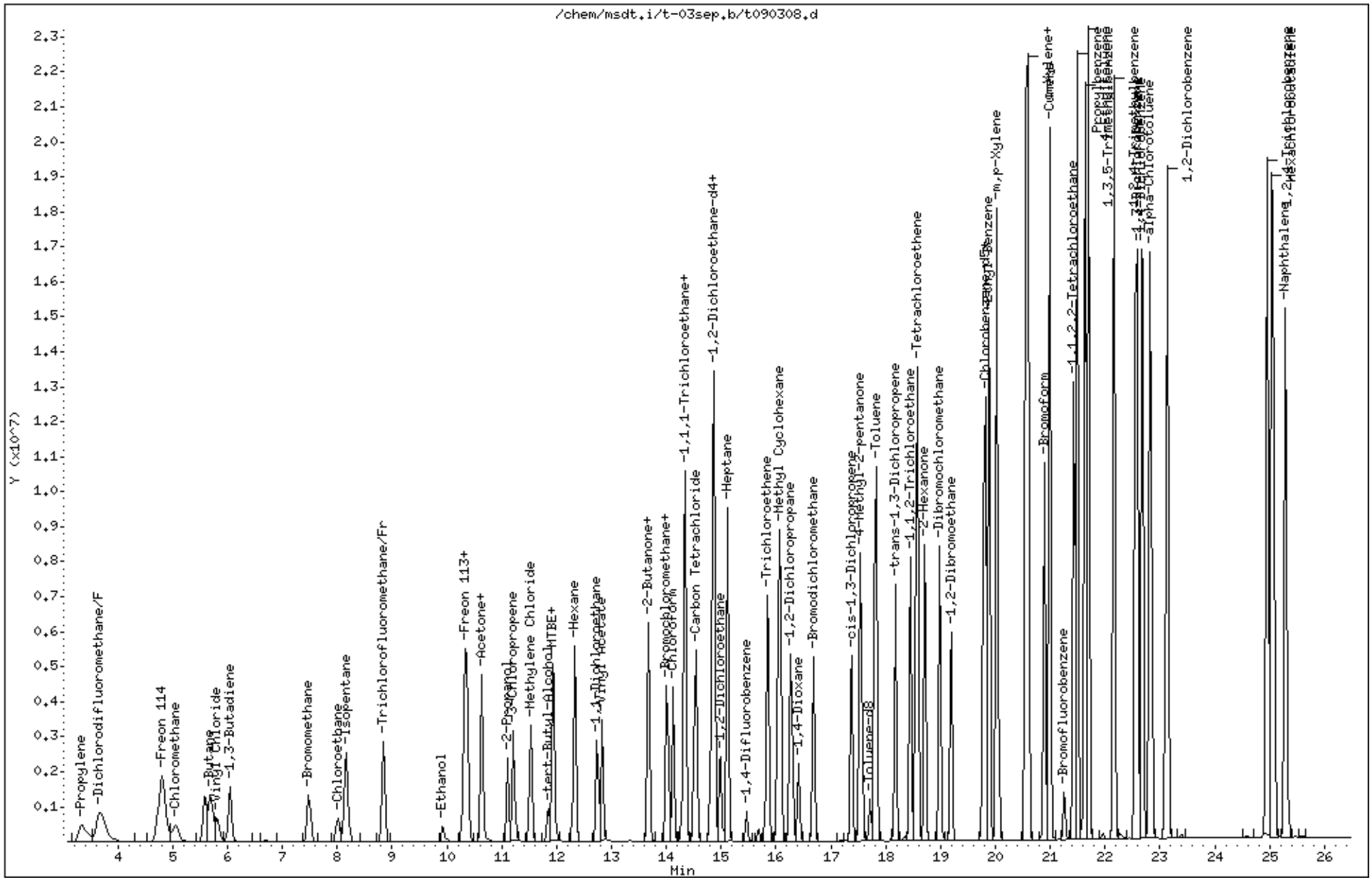
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.76	19.43	20.09	19.76	0.00

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/msdt.i/t-03sep.b/t090308.d
Date : 03-SEP-2008 16:35
Client ID: Level 7
Sample Info: 200mL #1612-93

Instrument: msdt.i
Operator: ra
Column diameter: 0.53

Column phase: RTx-624



0133

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0808670-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 09:25 AM**	

Compound	%Recovery
Freon 12	103
Freon 114	99
Vinyl Chloride	99
Bromomethane	96
Chloroethane	101
Freon 11	104
1,1-Dichloroethene	98
Freon 113	101
Methylene Chloride	92
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	100
Chloroform	96
1,1,1-Trichloroethane	105
Carbon Tetrachloride	105
Benzene	94
1,2-Dichloroethane	103
Trichloroethene	98
1,2-Dichloropropane	99
cis-1,3-Dichloropropene	100
Toluene	99
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	98
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	95
Chlorobenzene	99
Ethyl Benzene	101
m,p-Xylene	99
o-Xylene	100
Styrene	94
1,1,2,2-Tetrachloroethane	98
1,3,5-Trimethylbenzene	82
1,2,4-Trimethylbenzene	89
1,3-Dichlorobenzene	92
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	91
1,3-Butadiene	96
Hexane	96
Cyclohexane	102

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0808670-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 09:25 AM**	

Compound	%Recovery
Heptane	102
Bromodichloromethane	102
Dibromochloromethane	102
Cumene	93
Propylbenzene	104
Chloromethane	100
1,2,4-Trichlorobenzene	94
Hexachlorobutadiene	90
Acetone	92
Carbon Disulfide	99
2-Propanol	98
trans-1,2-Dichloroethene	96
2-Butanone (Methyl Ethyl Ketone)	108
Tetrahydrofuran	92
1,4-Dioxane	100
4-Methyl-2-pentanone	102
2-Hexanone	102
Bromoform	100
4-Ethyltoluene	120
Ethanol	100
Methyl tert-butyl ether	60 Q
3-Chloropropene	98
2,2,4-Trimethylpentane	96
Naphthalene	95

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 09-SEP-2008 09:25
Lab File ID: t090902.d Init. Cal. Date(s): 03-SEP-2008 03-SEP-2008
Analysis Type: AIR Init. Cal. Times: 12:55 16:35
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msdt.i/t-09sep.b/t14q903a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 90 1,2-Dichloroethane-d4	0.88048	0.88813	0.010	-0.86883	30.00000	Averaged	
$ 111 Toluene-d8	1.01805	1.01619	0.010	0.18287	30.00000	Averaged	
$ 136 Bromofluorobenzene	0.60677	0.57114	0.010	5.87204	30.00000	Averaged	
12 Propylene	0.75812	0.73927	0.010	2.48577	30.00000	Averaged	
14 Dichlorodifluoromethane/Fr1	2.30152	2.38170	0.010	-3.48374	30.00000	Averaged	
17 Freon 114	1.94174	1.93131	0.010	0.53725	30.00000	Averaged	
21 Chloromethane	0.87795	0.88022	0.010	-0.25897	30.00000	Averaged	
23 Vinyl Chloride	0.93929	0.93002	0.010	0.98733	30.00000	Averaged	
24 1,3-Butadiene	0.69013	0.66455	0.010	3.70628	30.00000	Averaged	
26 Bromomethane	0.88658	0.85577	0.010	3.47511	30.00000	Averaged	
28 Chloroethane	0.55117	0.55505	0.010	-0.70486	30.00000	Averaged	
34 Trichlorofluoromethane/Fr11	2.24051	2.33415	0.010	-4.17933	30.00000	Averaged	
38 Ethanol	0.39893	0.40083	0.010	-0.47481	30.00000	Averaged	
43 Freon 113	1.85915	1.87590	0.010	-0.90097	30.00000	Averaged	
44 1,1-Dichloroethene	1.40948	1.38359	0.010	1.83730	30.00000	Averaged	
45 Acetone	0.53909	0.49457	0.010	8.25856	30.00000	Averaged	
46 2-Propanol	1.96297	1.93179	0.010	1.58872	30.00000	Averaged	
48 Carbon Disulfide	3.32594	3.28974	0.010	1.08835	30.00000	Averaged	
50 3-Chloropropene	0.47286	0.46438	0.010	1.79347	30.00000	Averaged	
54 Methylene Chloride	1.25210	1.15188	0.010	8.00444	30.00000	Averaged	
58 MTBE	1.51688	0.90684	0.010	40.21631	30.00000	Averaged	<-
59 trans-1,2-Dichloroethene	1.32179	1.26417	0.010	4.35869	30.00000	Averaged	
64 Hexane	2.23639	2.14249	0.010	4.19842	30.00000	Averaged	
67 Vinyl Acetate	0.33853	0.37665	0.010	-11.26116	30.00000	Averaged	
68 1,1-Dichloroethane	2.08690	2.07512	0.010	0.56442	30.00000	Averaged	
75 2-Butanone	0.68041	0.73258	0.010	-7.66766	30.00000	Averaged	
76 cis-1,2-Dichloroethene	1.63068	1.62841	0.010	0.13927	30.00000	Averaged	
78 Tetrahydrofuran	1.87136	1.72726	0.010	7.70054	30.00000	Averaged	
81 Chloroform	2.36465	2.27386	0.010	3.83955	30.00000	Averaged	
83 1,1,1-Trichloroethane	2.32398	2.45042	0.010	-5.44074	30.00000	Averaged	
84 Cyclohexane	2.29659	2.35188	0.010	-2.40755	30.00000	Averaged	
85 Carbon Tetrachloride	2.24794	2.35509	0.010	-4.76651	30.00000	Averaged	
88 2,2,4-Trimethylpentane	8.03981	7.73906	0.010	3.74082	30.00000	Averaged	
91 Benzene	1.15582	1.08514	0.010	6.11457	30.00000	Averaged	
93 1,2-Dichloroethane	0.31798	0.32721	0.010	-2.90244	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 09-SEP-2008 09:25
Lab File ID: t090902.d Init. Cal. Date(s): 03-SEP-2008 03-SEP-2008
Analysis Type: AIR Init. Cal. Times: 12:55 16:35
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msdt.i/t-09sep.b/t14q903a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.42472	0.43197	0.010	-1.70866	30.00000	Averaged
97 Trichloroethene	0.44813	0.44093	0.010	1.60703	30.00000	Averaged
102 1,2-Dichloropropane	0.41382	0.41005	0.010	0.90902	30.00000	Averaged
103 1,4-Dioxane	0.28310	0.28480	0.010	-0.59928	30.00000	Averaged
106 Bromodichloromethane	0.59239	0.60301	0.010	-1.79249	30.00000	Averaged
109 cis-1,3-Dichloropropene	0.57535	0.57313	0.010	0.38651	30.00000	Averaged
110 4-Methyl-2-pentanone	0.37613	0.38207	0.010	-1.57809	30.00000	Averaged
114 Toluene	1.45600	1.44453	0.010	0.78742	30.00000	Averaged
115 trans-1,3-Dichloropropene	0.53507	0.55113	0.010	-3.00192	30.00000	Averaged
116 1,1,2-Trichloroethane	0.50590	0.49589	0.010	1.97945	30.00000	Averaged
117 Tetrachloroethene	0.75604	0.73733	0.010	2.47454	30.00000	Averaged
118 2-Hexanone	0.56719	0.57845	0.010	-1.98392	30.00000	Averaged
121 Dibromochloromethane	0.76052	0.77993	0.010	-2.55207	30.00000	Averaged
122 1,2-Dibromoethane	0.81469	0.77423	0.010	4.96650	30.00000	Averaged
124 Chlorobenzene	1.34272	1.33205	0.010	0.79472	30.00000	Averaged
125 Ethyl Benzene	0.71917	0.72632	0.010	-0.99414	30.00000	Averaged
128 m,p-Xylene	0.91087	0.90285	0.010	0.88083	30.00000	Averaged
130 o-Xylene	0.86984	0.87339	0.010	-0.40830	30.00000	Averaged
131 Styrene	1.47164	1.38742	0.010	5.72284	30.00000	Averaged
133 Bromoform	0.83193	0.83654	0.010	-0.55384	30.00000	Averaged
134 Cumene	2.55259	2.37139	0.010	7.09862	30.00000	Averaged
138 1,1,2,2-Tetrachloroethane	1.26003	1.23997	0.010	1.59221	30.00000	Averaged
140 Propylbenzene	2.81344	2.93834	0.010	-4.43929	30.00000	Averaged
144 4-Ethyltoluene	2.72661	3.28331	0.010	-20.41756	30.00000	Averaged
146 1,3,5-Trimethylbenzene	2.43953	2.00067	0.010	17.98964	30.00000	Averaged
152 1,2,4-Trimethylbenzene	2.26550	2.00779	0.010	11.37559	30.00000	Averaged
158 1,3-Dichlorobenzene	1.58403	1.46280	0.010	7.65356	30.00000	Averaged
159 1,4-Dichlorobenzene	1.60674	1.50577	0.010	6.28409	30.00000	Averaged
162 alpha-Chlorotoluene	1.83341	1.86780	0.010	-1.87569	30.00000	Averaged
164 1,2-Dichlorobenzene	1.48269	1.35572	0.010	8.56369	30.00000	Averaged
169 1,2,4-Trichlorobenzene	1.14944	1.07971	0.010	6.06637	30.00000	Averaged
170 Hexachlorobutadiene	0.88803	0.80201	0.010	9.68664	30.00000	Averaged
171 Naphthalene	2.24095	2.12596	0.010	5.13150	30.00000	Averaged
29 Isopentane	1.22620	1.17178	0.010	4.43793	30.00000	Averaged
22 Butane	0.18535	0.17761	0.010	4.17177	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 09-SEP-2008 09:25
Lab File ID: t090902.d Init. Cal. Date(s): 03-SEP-2008 03-SEP-2008
Analysis Type: AIR Init. Cal. Times: 12:55 16:35
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msdt.i/t-09sep.b/t14q903a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
99 Methyl Cyclohexane	3.33889	3.37079	0.010	-0.95553	30.00000	Averaged
57 tert-Butyl-Alcohol	1.27200	0.87178	0.010	31.46343	40.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09sep.b/t090902.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 09-SEP-2008 09:25
Operator : sjr Inst ID: msdt.i
Smp Info : 100ml #1612-93A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /var/chem/msdt.i/t-09sep.b/t14q903a.m
Meth Date : 09-Sep-2008 10:01 sruth Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 79 Bromochloromethane					CAS #: 74-97-5			
14.036	14.036 (1.000)	130	277943	25.0000		80.00- 120.00		100.00
14.036	14.036 (1.000)	128	214412			27.14- 127.14		77.14
14.036	14.036 (1.000)	49	313104			62.65- 162.65		112.65
* 95 1,4-Difluorobenzene					CAS #: 540-36-3			
15.474	15.474 (1.000)	114	1225262	25.0000		80.00- 120.00		100.00
15.474	15.474 (1.000)	88	170417			0.00- 63.91		13.91
* 123 Chlorobenzene-d5					CAS #: 3114-55-4			
19.787	19.787 (1.000)	117	1263034	25.0000		80.00- 120.00		100.00
19.787	19.787 (1.000)	82	624532			0.00- 98.89		49.45
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.893	14.893 (1.061)	65	246850	25.0000	25.217	80.00- 120.00		100.00
14.893	14.893 (1.061)	67	158519			12.42- 112.42		64.22
$ 111 Toluene-d8					CAS #: 2037-26-5			
17.741	17.741 (1.147)	98	1245097	25.0000	24.954	80.00- 120.00		100.00
17.713	17.713 (1.145)	70	112814			0.00- 59.06		9.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.741	17.741 (1.147)	100	843883			18.20- 118.20	67.78
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.075)	174	721371	25.0000	23.532	80.00- 120.00	100.00
21.280	21.280 (1.075)	95	867378			70.24- 170.24	120.24
21.280	21.280 (1.075)	176	697704			46.72- 146.72	96.72
12 Propylene					CAS #: 115-07-1		
3.336	3.336 (0.238)	41	410950	50.0000	48.757	80.00- 120.00	100.00
3.308	3.308 (0.236)	42	278809			15.53- 115.53	67.84
3.308	3.308 (0.236)	39	324797			28.39- 128.39	79.04
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	1323952	50.0000	51.742	80.00- 120.00	100.00
3.667	3.667 (0.261)	87	428508			0.00- 80.70	32.37
17 Freon 114					CAS #: 76-14-2		
4.746	4.746 (0.338)	135	1073589	50.0000	49.731	80.00- 120.00	100.00
4.773	4.773 (0.340)	137	344851			0.00- 82.12	32.12
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	489302	50.0000	50.129	80.00- 120.00	100.00
5.022	5.022 (0.358)	52	154150			0.00- 82.53	31.50
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	516984	50.0000	49.506	80.00- 120.00	100.00
5.796	5.796 (0.413)	64	163069			0.00- 80.97	31.54
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	369416	50.0000	48.147	80.00- 120.00	100.00
6.018	6.018 (0.429)	39	416768			51.68- 151.68	112.82
26 Bromomethane					CAS #: 74-83-9		
7.455	7.455 (0.531)	94	475711	50.0000	48.262	80.00- 120.00	100.00
7.455	7.455 (0.531)	96	458824			46.45- 146.45	96.45
28 Chloroethane					CAS #: 75-00-3		
7.981	7.981 (0.569)	64	308547	50.0000	50.352	80.00- 120.00	100.00
7.981	7.981 (0.569)	49	82100			0.00- 75.56	26.61
7.981	7.981 (0.569)	66	97499			0.00- 82.13	31.60
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	1297520	50.0000	52.090	80.00- 120.00	100.00
8.838	8.838 (0.630)	103	849890			15.50- 115.50	65.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	222814	50.0000	50.237	80.00- 120.00	100.00
9.916	9.916 (0.706)	43	47039			0.00- 73.52	21.11
9.916	9.916 (0.706)	46	88074			0.00- 88.41	39.53
43 Freon 113					CAS #: 76-13-1		
10.358	10.358 (0.738)	151	1042784	50.0000	50.450	80.00- 120.00	100.00
10.358	10.358 (0.738)	153	667233			13.99- 113.99	63.99
10.358	10.358 (0.738)	101	1071471			52.75- 152.75	102.75
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	769116	50.0000	49.081	80.00- 120.00	100.00
10.303	10.303 (0.734)	96	548960			21.38- 121.38	71.38
10.303	10.303 (0.734)	98	356135			0.00- 96.30	46.30
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	274924	50.0000	45.871	80.00- 120.00	100.00
10.663	10.663 (0.760)	43	908518			266.99- 366.99	330.46
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	1073853	50.0000	49.206	80.00- 120.00	100.00
11.105	11.105 (0.791)	43	196804			0.00- 68.17	18.33
11.105	11.105 (0.791)	59	40974			0.00- 53.62	3.82
48 Carbon Disulfide					CAS #: 75-15-0		
10.607	10.607 (0.756)	76	1828720	50.0000	49.456	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	258143	50.0000	49.103	80.00- 120.00	100.00
11.216	11.216 (0.799)	41	792150			254.70- 354.70	306.86
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	640314	50.0000	45.998	80.00- 120.00	100.00
11.520	11.520 (0.821)	84	546834			35.40- 135.40	85.40
11.520	11.520 (0.821)	51	196004			0.00- 80.92	30.61
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	504102	50.0000	29.892	80.00- 120.00	100.00
11.935	11.935 (0.850)	57	129316			0.00- 75.65	25.65
11.935	11.935 (0.850)	41	138777			0.00- 78.85	27.53
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	702736	50.0000	47.821	80.00- 120.00	100.00
11.962	11.962 (0.852)	61	866027			73.24- 173.24	123.24
11.962	11.962 (0.852)	98	448681			10.74- 110.74	63.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.322	12.322 (0.878)	57	1190982	50.0000	47.901	80.00- 120.00	100.00
12.322	12.322 (0.878)	43	797703			15.42- 115.42	66.98
12.322	12.322 (0.878)	86	232827			0.00- 68.78	19.55
67 Vinyl Acetate					CAS #: 108-05-4		
12.847	12.847 (0.915)	86	209374	50.0000	55.630	80.00- 120.00	100.00
12.819	12.819 (0.913)	43	1934782			943.18-1043.18	924.08
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.736	12.736 (0.907)	63	1153531	50.0000	49.718	80.00- 120.00	100.00
12.736	12.736 (0.907)	65	363047			0.00- 81.47	31.47
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	407231	50.0000	53.834	80.00- 120.00	100.00
13.704	13.704 (0.976)	43	1589058			340.21- 440.21	390.21
13.704	13.704 (0.976)	57	120907			0.00- 86.11	29.69
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.676	13.676 (0.974)	61	905210	50.0000	49.930	80.00- 120.00	100.00
13.676	13.676 (0.974)	96	805995			39.04- 139.04	89.04
13.676	13.676 (0.974)	98	517115			7.13- 107.13	57.13
78 Tetrahydrofuran					CAS #: 109-99-9		
14.008	14.008 (0.998)	42	960157	50.0000	46.150	80.00- 120.00	100.00
14.008	14.008 (0.998)	71	369955			0.00- 88.53	38.53
14.008	14.008 (0.998)	72	407521			0.00- 88.98	42.44
81 Chloroform					CAS #: 67-66-3		
14.119	14.119 (1.006)	83	1264007	50.0000	48.080	80.00- 120.00	100.00
14.119	14.119 (1.006)	85	819220			14.81- 114.81	64.81
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	1362155	50.0000	52.720	80.00- 120.00	100.00
14.340	14.340 (1.022)	99	881282			14.70- 114.70	64.70
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	1307376	50.0000	51.204	80.00- 120.00	100.00
14.340	14.340 (1.022)	56	1435988			59.84- 159.84	109.84
14.340	14.340 (1.022)	41	778700			9.56- 109.56	59.56
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	1309161	50.0000	52.383	80.00- 120.00	100.00
14.534	14.534 (1.035)	117	1351288			53.22- 153.22	103.22
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.838	14.838 (1.057)	57	4302034	50.0000	48.130	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
14.838	14.838 (1.057)	56	1421826			0.00- 83.70	33.05
14.838	14.838 (1.057)	41	1052190			0.00- 74.02	24.46
91 Benzene					CAS #: 71-43-2		
14.865	14.865 (0.961)	78	2659172	50.0000	46.943	80.00- 120.00	100.00
14.865	14.865 (0.961)	77	601956			0.00- 73.43	22.64
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	801837	50.0000	51.451	80.00- 120.00	100.00
15.004	15.004 (0.970)	64	249710			0.00- 82.84	31.14
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	1058563	50.0000	50.854	80.00- 120.00	100.00
15.114	15.114 (0.977)	43	1802617			126.13- 226.13	170.29
15.114	15.114 (0.977)	57	920899			42.41- 142.41	87.00
97 Trichloroethene					CAS #: 79-01-6		
15.861	15.861 (1.025)	95	1080514	50.0000	49.196	80.00- 120.00	100.00
15.861	15.861 (1.025)	130	1307721			71.03- 171.03	121.03
15.861	15.861 (1.025)	97	700856			14.86- 114.86	64.86
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.275	16.275 (1.052)	63	1004848	50.0000	49.545	80.00- 120.00	100.00
16.275	16.275 (1.052)	62	719740			21.63- 121.63	71.63
16.275	16.275 (1.052)	41	513486			1.10- 101.10	51.10
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	697904	50.0000	50.300	80.00- 120.00	100.00
16.414	16.414 (1.061)	58	470286			17.39- 117.39	67.39
16.414	16.414 (1.061)	57	136238			0.00- 70.99	19.52
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	1477679	50.0000	50.896	80.00- 120.00	100.00
16.690	16.690 (1.079)	85	943333			13.84- 113.84	63.84
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.381	17.381 (1.123)	75	1404457	50.0000	49.807	80.00- 120.00	100.00
17.381	17.381 (1.123)	77	450056			0.00- 82.04	32.04
17.381	17.381 (1.123)	39	696055			0.00- 99.56	49.56
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	936273	50.0000	50.789	80.00- 120.00	100.00
17.547	17.547 (1.134)	43	2319514			198.13- 298.13	247.74
17.547	17.547 (1.134)	85	393124			0.00- 91.92	41.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	3539861	50.0000	49.606	80.00- 120.00	100.00
17.824	17.824 (1.152)	92	2137120			10.37- 110.37	60.37
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.919)	75	1392199	50.0000	51.501	80.00- 120.00	100.00
18.183	18.183 (0.919)	77	446747			0.00- 82.09	32.09
18.183	18.183 (0.919)	39	722378			1.89- 101.89	51.89
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.933)	97	1252653	50.0000	49.010	80.00- 120.00	100.00
18.460	18.460 (0.933)	99	785117			12.68- 112.68	62.68
18.460	18.460 (0.933)	83	1004286			30.17- 130.17	80.17
117 Tetrachloroethene					CAS #: 127-18-4		
18.598	18.598 (0.940)	166	1862555	50.0000	48.763	80.00- 120.00	100.00
18.570	18.570 (0.938)	129	1240724			16.61- 116.61	66.61
18.570	18.570 (0.938)	131	1195236			14.17- 114.17	64.17
118 2-Hexanone					CAS #: 591-78-6		
18.736	18.736 (0.947)	58	1461195	50.0000	50.992	80.00- 120.00	100.00
18.736	18.736 (0.947)	43	2536182			123.57- 223.57	173.57
18.736	18.736 (0.947)	100	314485			0.00- 70.92	21.52
121 Dibromochloromethane					CAS #: 124-48-1		
19.013	19.013 (0.961)	129	1970160	50.0000	51.276	80.00- 120.00	100.00
19.013	19.013 (0.961)	127	1522583			27.73- 127.73	77.28
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.971)	107	1955753	50.0000	47.517	80.00- 120.00	100.00
19.206	19.206 (0.971)	109	1855450			44.87- 144.87	94.87
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.001)	112	3364855	50.0000	49.603	80.00- 120.00	100.00
19.815	19.815 (1.001)	114	1082825			0.00- 82.18	32.18
19.815	19.815 (1.001)	77	2096748			12.31- 112.31	62.31
125 Ethyl Benzene					CAS #: 100-41-4		
19.898	19.898 (1.006)	106	1834739	50.0000	50.497	80.00- 120.00	100.00
19.898	19.898 (1.006)	91	5293938			242.66- 342.66	288.54
128 m,p-Xylene					CAS #: 108-38-3		
20.036	20.036 (1.013)	106	2280648	50.0000	49.560	80.00- 120.00	100.00
20.036	20.036 (1.013)	91	4075635			127.76- 227.76	178.71
130 o-Xylene					CAS #: 95-47-6		
20.589	20.589 (1.041)	106	2206239	50.0000	50.204	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.589	20.589 (1.041)	91	4166215			138.84- 238.84	188.84
131 Styrene					CAS #: 100-42-5		
20.616	20.616 (1.042)	104	3504728	50.0000	47.138	80.00- 120.00	100.00
20.589	20.589 (1.041)	78	1375770			0.00- 89.25	39.25
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.056)	173	2113160	50.0000	50.277	80.00- 120.00	100.00
20.893	20.893 (1.056)	171	1078520			1.04- 101.04	51.04
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.061)	105	5990291	50.0000	46.451	80.00- 120.00	100.00
21.004	21.004 (1.061)	120	1783490			0.00- 79.83	29.77
21.004	21.004 (1.061)	51	567961			0.00- 60.39	9.48
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.446	21.446 (1.084)	83	3132243	50.0000	49.204	80.00- 120.00	100.00
21.446	21.446 (1.084)	85	2008504			14.12- 114.12	64.12
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.087)	91	7422442	50.0000	52.220	80.00- 120.00	100.00
21.529	21.529 (1.088)	120	1894644			0.00- 76.14	25.53
21.501	21.501 (1.087)	105	272339			0.00- 54.01	3.67
144 4-Ethyltoluene					CAS #: 622-96-8		
21.639	21.639 (1.094)	105	8293871	50.0000	60.209	80.00- 120.00	100.00
21.639	21.639 (1.094)	120	2140350			0.00- 75.81	25.81
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.722	21.722 (1.098)	105	5053818	50.0000	41.005	80.00- 120.00	100.00
21.722	21.722 (1.098)	120	3471772			5.21- 105.21	68.70
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.120)	105	5071811	50.0000	44.312	80.00- 120.00	100.00
22.165	22.165 (1.120)	120	2630193			2.79- 102.79	51.86
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.141)	146	3695132	50.0000	46.173	80.00- 120.00	100.00
22.580	22.580 (1.141)	148	2343227			13.48- 113.48	63.41
22.580	22.580 (1.141)	111	1358120			0.00- 86.47	36.75
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.147)	146	3803680	50.0000	46.858	80.00- 120.00	100.00
22.690	22.690 (1.147)	148	2420384			13.17- 113.17	63.63
22.690	22.690 (1.147)	111	1337706			0.00- 85.15	35.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.856	22.856 (1.155)	91	4718189	50.0000	50.938	80.00- 120.00	100.00
22.856	22.856 (1.155)	126	1130910			0.00- 74.44	23.97
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.160	23.160 (1.170)	146	3424637	50.0000	45.718	80.00- 120.00	100.00
23.160	23.160 (1.170)	148	2182937			13.74- 113.74	63.74
23.133	23.133 (1.169)	111	1314118			0.00- 88.37	38.37
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.985	24.985 (1.263)	180	2727424	50.0000	46.967	80.00- 120.00	100.00
24.985	24.985 (1.263)	182	2593463			45.09- 145.09	95.09
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.267)	225	2025923	50.0000	45.157	80.00- 120.00	100.00
25.068	25.068 (1.267)	223	1285371			13.25- 113.25	63.45
171 Naphthalene					CAS #: 91-20-3		
25.317	25.317 (1.279)	128	5370317	50.0000	47.434	80.00- 120.00	100.00
25.317	25.317 (1.279)	127	646576			0.00- 61.98	12.04
29 Isopentane					CAS #: 78-78-4		
8.147	8.147 (0.580)	43	651378	50.0000	47.781	80.00- 120.00	100.00
8.147	8.147 (0.580)	57	402599			11.98- 111.98	61.81
22 Butane					CAS #: 106-97-8		
5.658	5.658 (0.403)	58	98733	50.0000	47.914	80.00- 120.00	100.00
5.658	5.658 (0.403)	43	813810			745.17- 845.17	824.25
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.082	16.082 (1.146)	83	1873777	50.0000	50.478	80.00- 120.00	100.00
16.082	16.082 (1.146)	98	961498			0.00- 99.87	51.31
16.082	16.082 (1.146)	55	1393585			29.41- 129.41	74.37
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	484613	50.0000	34.268	80.00- 120.00	100.00
11.824	11.824 (0.842)	41	113399			0.00- 76.34	23.40
11.852	11.852 (0.844)	57	54109			0.00- 59.69	11.17

Report Date: 09-Sep-2008 10:01

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090902.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 09-SEP-2008
Calibration Time: 09:25
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	277943	166766	389120	277943	0.00
95 1,4-Difluorobenze	1225262	735157	1715367	1225262	0.00
123 Chlorobenzene-d5	1263034	757820	1768248	1263034	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.79	19.46	20.12	19.79	0.00

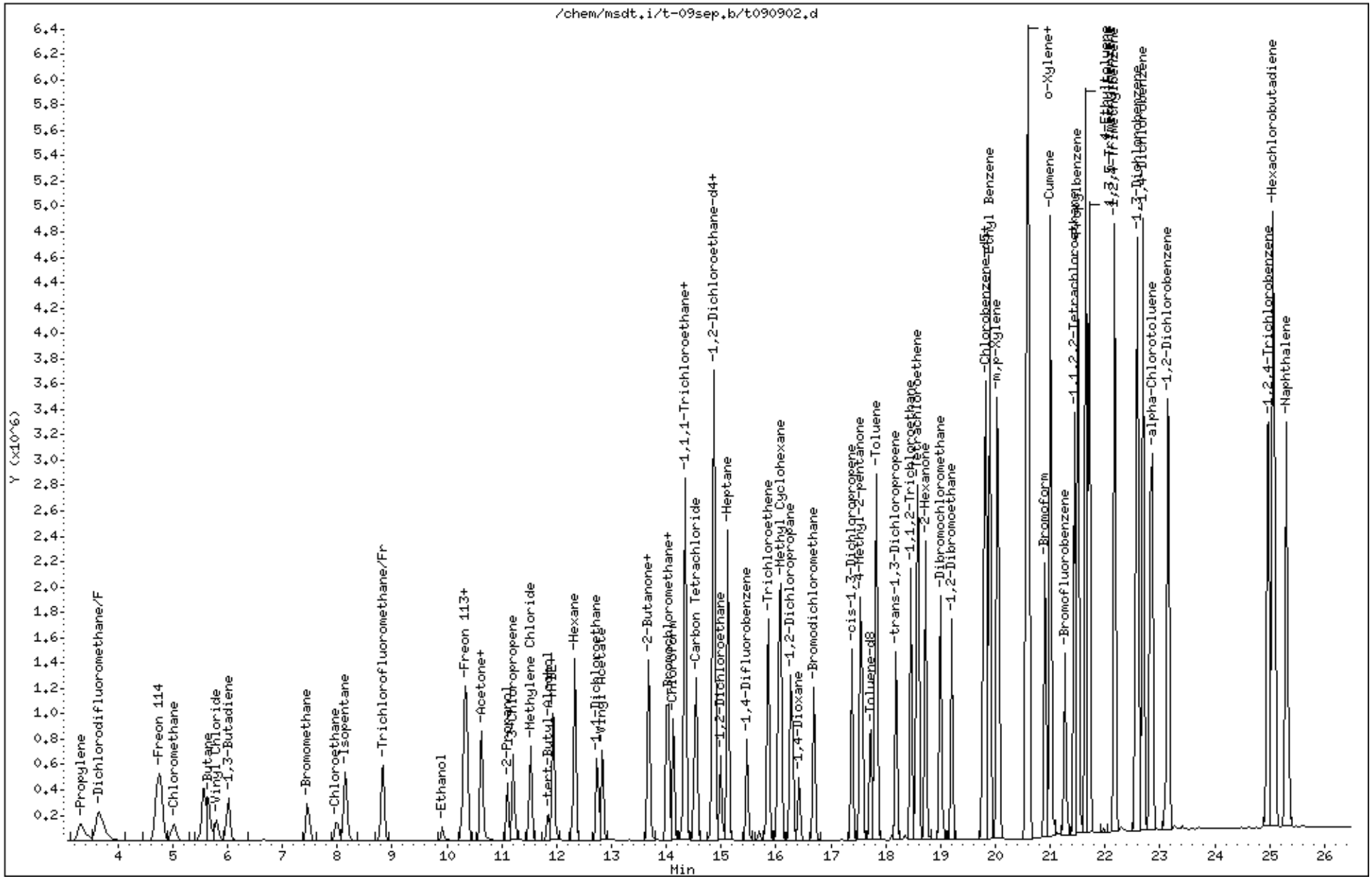
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0148

Data File: /chem/msdt.i/t-09sep.b/t090902.d
Date : 09-SEP-2008 09:25
Client ID: CCV-1
Sample Info: 100ml #1612-93A

Instrument: msdt.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0808670-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 10:00 AM**	

Compound	%Recovery
Freon 12	104
Freon 114	98
Vinyl Chloride	100
Bromomethane	98
Chloroethane	102
Freon 11	104
1,1-Dichloroethene	110
Freon 113	113
Methylene Chloride	100
1,1-Dichloroethane	105
cis-1,2-Dichloroethene	104
Chloroform	102
1,1,1-Trichloroethane	110
Carbon Tetrachloride	114
Benzene	93
1,2-Dichloroethane	105
Trichloroethene	99
1,2-Dichloropropane	97
cis-1,3-Dichloropropene	100
Toluene	105
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	98
Tetrachloroethene	101
1,2-Dibromoethane (EDB)	93
Chlorobenzene	100
Ethyl Benzene	100
m,p-Xylene	99
o-Xylene	101
Styrene	93
1,1,2,2-Tetrachloroethane	99
1,3,5-Trimethylbenzene	83
1,2,4-Trimethylbenzene	89
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	95
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	93
1,3-Butadiene	90
Hexane	99
Cyclohexane	104

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0808670-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t090903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/9/08 10:00 AM**	

Compound	%Recovery
Heptane	102
Bromodichloromethane	104
Dibromochloromethane	104
Cumene	96
Propylbenzene	106
Chloromethane	100
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	93
Acetone	96
Carbon Disulfide	97
2-Propanol	103
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	112
Tetrahydrofuran	94
1,4-Dioxane	102
4-Methyl-2-pentanone	101
2-Hexanone	100
Bromoform	103
4-Ethyltoluene	119
Ethanol	96
Methyl tert-butyl ether	56 Q
3-Chloropropene	103
2,2,4-Trimethylpentane	98
Naphthalene	103

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	95	70-130

Report Date: 09-Sep-2008 10:20

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: t-09sep
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Propylene	50.000	52.292	104.58	60-140
14 Dichlorodifluorome	50.000	52.231	104.46	70-130
17 Freon 114	50.000	48.961	97.92	70-130
21 Chloromethane	50.000	50.264	100.53	70-130
23 Vinyl Chloride	50.000	50.248	100.50	70-130
24 1,3-Butadiene	50.000	45.151	90.30	60-140
26 Bromomethane	50.000	49.047	98.09	70-130
28 Chloroethane	50.000	51.145	102.29	70-130
34 Trichlorofluoromet	50.000	51.808	103.62	70-130
38 Ethanol	50.000	48.081	96.16	60-140
43 Freon 113	50.000	56.683	113.37	70-130
44 1,1-Dichloroethene	50.000	55.096	110.19	70-130
45 Acetone	50.000	47.797	95.59	60-140
48 Carbon Disulfide	50.000	48.520	97.04	60-140
46 2-Propanol	50.000	51.392	102.78	60-140
54 Methylene Chloride	50.000	49.870	99.74	70-130
58 MTBE	50.000	28.072	56.14*	60-140
59 trans-1,2-Dichloro	50.000	49.666	99.33	60-140
64 Hexane	50.000	49.478	98.96	60-140
67 Vinyl Acetate	50.000	55.166	110.33	60-140
68 1,1-Dichloroethane	50.000	52.332	104.67	70-130
76 cis-1,2-Dichloroet	50.000	51.826	103.65	70-130
75 2-Butanone	50.000	56.254	112.51	60-140
78 Tetrahydrofuran	50.000	47.148	94.30	60-140
81 Chloroform	50.000	50.813	101.63	70-130
84 Cyclohexane	50.000	51.899	103.80	60-140
83 1,1,1-Trichloroeth	50.000	54.947	109.89	70-130
85 Carbon Tetrachlori	50.000	56.891	113.78	70-130
91 Benzene	50.000	46.682	93.36	70-130
93 1,2-Dichloroethane	50.000	52.680	105.36	70-130
94 Heptane	50.000	51.135	102.27	60-140
97 Trichloroethene	50.000	49.720	99.44	70-130
102 1,2-Dichloropropan	50.000	48.740	97.48	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
103 1,4-Dioxane	50.000	50.906	101.81	60-140
106 Bromodichlorometha	50.000	51.906	103.81	60-140
109 cis-1,3-Dichloropr	50.000	49.961	99.92	70-130
110 4-Methyl-2-pentano	50.000	50.365	100.73	60-140
114 Toluene	50.000	52.389	104.78	70-130
115 trans-1,3-Dichloro	50.000	51.598	103.20	70-130
116 1,1,2-Trichloroeth	50.000	49.156	98.31	70-130
117 Tetrachloroethene	50.000	50.402	100.80	70-130
118 2-Hexanone	50.000	49.809	99.62	60-140
121 Dibromochlorometha	50.000	51.930	103.86	60-140
122 1,2-Dibromoethane	50.000	46.667	93.33	70-130
124 Chlorobenzene	50.000	50.093	100.19	70-130
125 Ethyl Benzene	50.000	49.888	99.78	70-130
128 m,p-Xylene	50.000	49.603	99.21	70-130
130 o-Xylene	50.000	50.577	101.15	70-130
131 Styrene	50.000	46.502	93.00	70-130
133 Bromoform	50.000	51.614	103.23	60-140
138 1,1,2,2-Tetrachlor	50.000	49.710	99.42	70-130
144 4-Ethyltoluene	50.000	59.376	118.75	60-140
146 1,3,5-Trimethylben	50.000	41.737	83.47	70-130
152 1,2,4-Trimethylben	50.000	44.587	89.17	70-130
158 1,3-Dichlorobenzen	50.000	47.195	94.39	70-130
159 1,4-Dichlorobenzen	50.000	47.561	95.12	70-130
162 alpha-Chlorotoluen	50.000	50.944	101.89	70-130
164 1,2-Dichlorobenzen	50.000	46.498	93.00	70-130
169 1,2,4-Trichloroben	50.000	50.019	100.04	70-130
170 Hexachlorobutadien	50.000	46.591	93.18	70-130
140 Propylbenzene	50.000	53.155	106.31	60-140
134 Cumene	50.000	48.097	96.19	60-140
50 3-Chloropropene	50.000	51.679	103.36	60-140
88 2,2,4-Trimethylpen	50.000	48.837	97.67	60-140
29 Isopentane	50.000	47.740	95.48	70-130
22 Butane	50.000	47.442	94.88	70-130
99 Methyl Cyclohexane	50.000	51.998	104.00	70-130
57 tert-Butyl-Alcohol	50.000	32.954	65.91	60-140
171 Naphthalene	50.000	51.429	102.86	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.624	102.50	70-130
$ 111 Toluene-d8	25.000	25.031	100.12	70-130
$ 136 Bromofluorobenzene	25.000	23.765	95.06	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/t-09sep.b/t090903.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 09-SEP-2008 10:00
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1612-121
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /var/chem/msdt.i/t-09sep.b/t14q903a.m
Meth Date : 09-Sep-2008 10:01 sruth Quant Type: ISTD
Cal Date : 03-SEP-2008 16:35 Cal File: t090308.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
* 79 Bromochloromethane					CAS #: 74-97-5		
14.036	14.036 (1.000)	130	275876	25.0000		80.00- 120.00	100.00
14.036	14.036 (1.000)	128	211321			27.14- 127.14	76.60
14.036	14.036 (1.000)	49	307545			62.65- 162.65	111.48
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.474	15.474 (1.000)	114	1257463	25.0000		80.00- 120.00	100.00
15.474	15.474 (1.000)	88	175193			0.00- 63.91	13.93
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
19.787	19.787 (1.000)	117	1290459	25.0000		80.00- 120.00	100.00
19.787	19.787 (1.000)	82	633213			0.00- 98.89	49.07
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.893	14.893 (1.061)	65	248969	25.6242	25.624	80.00- 120.00	100.00
14.893	14.893 (1.061)	67	160927			12.42- 112.42	64.64
$ 111 Toluene-d8					CAS #: 2037-26-5		
17.741	17.741 (1.147)	98	1281731	25.0307	25.031	80.00- 120.00	100.00
17.741	17.713 (1.147)	70	114036			0.00- 59.06	8.90

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
17.741	17.741 (1.147)	100	873198			18.20- 118.20	68.13
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.280	21.280 (1.075)	174	744346	23.7654	23.765	80.00- 120.00	100.00
21.280	21.280 (1.075)	95	889552			70.24- 170.24	119.51
21.280	21.280 (1.075)	176	721729			46.72- 146.72	96.96
12 Propylene					CAS #: 115-07-1		
3.308	3.336 (0.236)	41	437465	52.2919	52.292	80.00- 120.00	100.00
3.308	3.308 (0.236)	42	290828			15.53- 115.53	66.48
3.308	3.308 (0.236)	39	342918			28.39- 128.39	78.39
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.667	3.667 (0.261)	85	1326529	52.2310	52.231	80.00- 120.00	100.00
3.667	3.667 (0.261)	87	429768			0.00- 80.70	32.40
17 Freon 114					CAS #: 76-14-2		
4.773	4.746 (0.340)	135	1049091	48.9607	48.961	80.00- 120.00	100.00
4.773	4.773 (0.340)	137	333251			0.00- 82.12	31.77
21 Chloromethane					CAS #: 74-87-3		
5.022	5.022 (0.358)	50	486971	50.2645	50.264	80.00- 120.00	100.00
5.022	5.022 (0.358)	52	153288			0.00- 82.53	31.48
23 Vinyl Chloride					CAS #: 75-01-4		
5.796	5.796 (0.413)	62	520831	50.2484	50.248	80.00- 120.00	100.00
5.796	5.796 (0.413)	64	160873			0.00- 80.97	30.89
24 1,3-Butadiene					CAS #: 106-99-0		
6.018	6.018 (0.429)	54	343854	45.1511	45.151	80.00- 120.00	100.00
6.018	6.018 (0.429)	39	388986			51.68- 151.68	113.13
26 Bromomethane					CAS #: 74-83-9		
7.483	7.455 (0.533)	94	479846	49.0467	49.047	80.00- 120.00	100.00
7.483	7.455 (0.533)	96	459913			46.45- 146.45	95.85
28 Chloroethane					CAS #: 75-00-3		
8.008	7.981 (0.571)	64	311074	51.1452	51.145	80.00- 120.00	100.00
8.008	7.981 (0.571)	49	84557			0.00- 75.56	27.18
8.008	7.981 (0.571)	66	96820			0.00- 82.13	31.12
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.838	8.838 (0.630)	101	1280918	51.8085	51.808	80.00- 120.00	100.00
8.838	8.838 (0.630)	103	835049			15.50- 115.50	65.19

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.916	9.916 (0.706)	45	211664	48.0810	48.081	80.00- 120.00	100.00
9.916	9.916 (0.706)	43	47193			0.00- 73.52	22.30
9.916	9.916 (0.706)	46	86256			0.00- 88.41	40.75
43 Freon 113					CAS #: 76-13-1		
10.359	10.358 (0.738)	151	1162889	56.6828	56.683	80.00- 120.00	100.00
10.359	10.358 (0.738)	153	746085			13.99- 113.99	64.16
10.359	10.358 (0.738)	101	1186805			52.75- 152.75	102.06
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.303	10.303 (0.734)	61	856953	55.0964	55.096	80.00- 120.00	100.00
10.303	10.303 (0.734)	96	611480			21.38- 121.38	71.36
10.303	10.303 (0.734)	98	389388			0.00- 96.30	45.44
45 Acetone					CAS #: 67-64-1		
10.663	10.663 (0.760)	58	284341	47.7974	47.797	80.00- 120.00	100.00
10.663	10.663 (0.760)	43	954914			266.99- 366.99	335.83
46 2-Propanol					CAS #: 67-63-0		
11.105	11.105 (0.791)	45	1113232	51.3922	51.392	80.00- 120.00	100.00
11.105	11.105 (0.791)	43	207791			0.00- 68.17	18.67
11.105	11.105 (0.791)	59	41499			0.00- 53.62	3.73
48 Carbon Disulfide					CAS #: 75-15-0		
10.635	10.607 (0.758)	76	1780757	48.5195	48.520	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.216	11.216 (0.799)	76	269665	51.6793	51.679	80.00- 120.00	100.00
11.216	11.216 (0.799)	41	830785			254.70- 354.70	308.08
54 Methylene Chloride					CAS #: 75-09-2		
11.520	11.520 (0.821)	49	689062	49.8705	49.870	80.00- 120.00	100.00
11.520	11.520 (0.821)	84	579795			35.40- 135.40	84.14
11.520	11.520 (0.821)	51	207089			0.00- 80.92	30.05
58 MTBE					CAS #: 1634-04-4		
11.935	11.935 (0.850)	73	469885	28.0716	28.072	80.00- 120.00	100.00(R)
11.935	11.935 (0.850)	57	130545			0.00- 75.65	27.78
11.935	11.935 (0.850)	41	134004			0.00- 78.85	28.52
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.962	11.962 (0.852)	96	724430	49.6663	49.666	80.00- 120.00	100.00
11.962	11.962 (0.852)	61	886687			73.24- 173.24	122.40
11.962	11.962 (0.852)	98	462471			10.74- 110.74	63.84

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.349	12.322 (0.880)	57	1221037	49.4775	49.478	80.00- 120.00	100.00
12.322	12.322 (0.878)	43	827179			15.42- 115.42	67.74
12.349	12.322 (0.880)	86	242059			0.00- 68.78	19.82
67 Vinyl Acetate					CAS #: 108-05-4		
12.847	12.847 (0.915)	86	206080	55.1656	55.166	80.00- 120.00	100.00
12.847	12.819 (0.915)	43	2029855			943.18-1043.18	984.98
68 1,1-Dichloroethane					CAS #: 75-34-3		
12.764	12.736 (0.909)	63	1205167	52.3325	52.332	80.00- 120.00	100.00
12.764	12.736 (0.909)	65	381103			0.00- 81.47	31.62
75 2-Butanone					CAS #: 78-93-3		
13.704	13.704 (0.976)	72	422371	56.2536	56.254	80.00- 120.00	100.00
13.704	13.704 (0.976)	43	1632525			340.21- 440.21	386.51
13.704	13.704 (0.976)	57	124177			0.00- 86.11	29.40
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.676	13.676 (0.974)	61	932588	51.8259	51.826	80.00- 120.00	100.00
13.676	13.676 (0.974)	96	840995			39.04- 139.04	90.18
13.676	13.676 (0.974)	98	538572			7.13- 107.13	57.75
78 Tetrahydrofuran					CAS #: 109-99-9		
14.036	14.008 (1.000)	42	973634	47.1481	47.148	80.00- 120.00	100.00
14.036	14.008 (1.000)	71	369455			0.00- 88.53	37.95
14.036	14.008 (1.000)	72	407470			0.00- 88.98	41.85
81 Chloroform					CAS #: 67-66-3		
14.146	14.119 (1.008)	83	1325911	50.8128	50.813	80.00- 120.00	100.00
14.146	14.119 (1.008)	85	861053			14.81- 114.81	64.94
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.340	14.340 (1.022)	97	1409138	54.9474	54.947	80.00- 120.00	100.00
14.340	14.340 (1.022)	99	914298			14.70- 114.70	64.88
84 Cyclohexane					CAS #: 110-82-7		
14.340	14.340 (1.022)	84	1315276	51.8991	51.899	80.00- 120.00	100.00
14.340	14.340 (1.022)	56	1429645			59.84- 159.84	108.70
14.340	14.340 (1.022)	41	789503			9.56- 109.56	60.03
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.534	14.534 (1.035)	119	1411251	56.8913	56.891	80.00- 120.00	100.00
14.534	14.534 (1.035)	117	1460956			53.22- 153.22	103.52
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.865	14.838 (1.059)	57	4332826	48.8373	48.837	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
14.865	14.838 (1.059)	56	1433326			0.00- 83.70	33.08
14.865	14.838 (1.059)	41	1074184			0.00- 74.02	24.79
91 Benzene					CAS #: 71-43-2		
14.893	14.865 (0.962)	78	2713919	46.6823	46.682	80.00- 120.00	100.00
14.893	14.865 (0.962)	77	618802			0.00- 73.43	22.80
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.004	15.004 (0.970)	62	842557	52.6796	52.680	80.00- 120.00	100.00
15.004	15.004 (0.970)	64	266628			0.00- 82.84	31.65
94 Heptane					CAS #: 142-82-5		
15.114	15.114 (0.977)	71	1092378	51.1350	51.135	80.00- 120.00	100.00
15.114	15.114 (0.977)	43	1856349			126.13- 226.13	169.94
15.114	15.114 (0.977)	57	942760			42.41- 142.41	86.30
97 Trichloroethene					CAS #: 79-01-6		
15.861	15.861 (1.025)	95	1120719	49.7203	49.720	80.00- 120.00	100.00
15.861	15.861 (1.025)	130	1366962			71.03- 171.03	121.97
15.861	15.861 (1.025)	97	724797			14.86- 114.86	64.67
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.276	16.275 (1.052)	63	1014488	48.7399	48.740	80.00- 120.00	100.00
16.276	16.275 (1.052)	62	725883			21.63- 121.63	71.55
16.276	16.275 (1.052)	41	525401			1.10- 101.10	51.79
103 1,4-Dioxane					CAS #: 123-91-1		
16.414	16.414 (1.061)	88	724881	50.9061	50.906	80.00- 120.00	100.00
16.414	16.414 (1.061)	58	476838			17.39- 117.39	65.78
16.414	16.414 (1.061)	57	139669			0.00- 70.99	19.27
106 Bromodichloromethane					CAS #: 75-27-4		
16.690	16.690 (1.079)	83	1546601	51.9060	51.906	80.00- 120.00	100.00
16.690	16.690 (1.079)	85	990446			13.84- 113.84	64.04
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.381	17.381 (1.123)	75	1445829	49.9609	49.961	80.00- 120.00	100.00
17.381	17.381 (1.123)	77	462648			0.00- 82.04	32.00
17.381	17.381 (1.123)	39	716388			0.00- 99.56	49.55
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.547	17.547 (1.134)	58	952856	50.3650	50.365	80.00- 120.00	100.00
17.547	17.547 (1.134)	43	2383231			198.13- 298.13	250.11
17.547	17.547 (1.134)	85	411947			0.00- 91.92	43.23

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
17.824	17.824 (1.152)	91	3836683	52.3890	52.389	80.00- 120.00	100.00
17.824	17.824 (1.152)	92	2317108			10.37- 110.37	60.39
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.183	18.183 (0.919)	75	1425101	51.5977	51.598	80.00- 120.00	100.00
18.183	18.183 (0.919)	77	454680			0.00- 82.09	31.91
18.183	18.183 (0.919)	39	729371			1.89- 101.89	51.18
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.460	18.460 (0.933)	97	1283672	49.1565	49.156	80.00- 120.00	100.00
18.460	18.460 (0.933)	99	804875			12.68- 112.68	62.70
18.460	18.460 (0.933)	83	1027086			30.17- 130.17	80.01
117 Tetrachloroethene					CAS #: 127-18-4		
18.598	18.598 (0.940)	166	1966981	50.4022	50.402	80.00- 120.00	100.00
18.570	18.570 (0.938)	129	1320300			16.61- 116.61	67.12
18.570	18.570 (0.938)	131	1270158			14.17- 114.17	64.57
118 2-Hexanone					CAS #: 591-78-6		
18.736	18.736 (0.947)	58	1458290	49.8090	49.809	80.00- 120.00	100.00
18.736	18.736 (0.947)	43	2535784			123.57- 223.57	173.89
18.736	18.736 (0.947)	100	329293			0.00- 70.92	22.58
121 Dibromochloromethane					CAS #: 124-48-1		
19.013	19.013 (0.961)	129	2038624	51.9303	51.930	80.00- 120.00	100.00
19.013	19.013 (0.961)	127	1570143			27.73- 127.73	77.02
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.206	19.206 (0.971)	107	1962479	46.6669	46.667	80.00- 120.00	100.00
19.206	19.206 (0.971)	109	1856480			44.87- 144.87	94.60
124 Chlorobenzene					CAS #: 108-90-7		
19.815	19.815 (1.001)	112	3471936	50.0935	50.093	80.00- 120.00	100.00
19.815	19.815 (1.001)	114	1110072			0.00- 82.18	31.97
19.815	19.815 (1.001)	77	1820840			12.31- 112.31	52.44
125 Ethyl Benzene					CAS #: 100-41-4		
19.898	19.898 (1.006)	106	1851972	49.8881	49.888	80.00- 120.00	100.00
19.898	19.898 (1.006)	91	5378987			242.66- 342.66	290.45
128 m,p-Xylene					CAS #: 108-38-3		
20.063	20.036 (1.014)	106	2332203	49.6028	49.603	80.00- 120.00	100.00
20.063	20.036 (1.014)	91	4144430			127.76- 227.76	177.70
130 o-Xylene					CAS #: 95-47-6		
20.589	20.589 (1.041)	106	2270892	50.5772	50.577	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.589	20.589 (1.041)	91	4272552			138.84- 238.84	188.14
131 Styrene					CAS #: 100-42-5		
20.616	20.616 (1.042)	104	3532460	46.5019	46.502	80.00- 120.00	100.00
20.589	20.589 (1.041)	78	1377738			0.00- 89.25	39.00
133 Bromoform					CAS #: 75-25-2		
20.893	20.893 (1.056)	173	2216480	51.6144	51.614	80.00- 120.00	100.00
20.893	20.893 (1.056)	171	1145811			1.04- 101.04	51.70
134 Cumene					CAS #: 98-82-8		
21.004	21.004 (1.061)	105	6337248	48.0968	48.097	80.00- 120.00	100.00
21.004	21.004 (1.061)	120	1889619			0.00- 79.83	29.82
21.004	21.004 (1.061)	51	580272			0.00- 60.39	9.16
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.446	21.446 (1.084)	83	3233159	49.7098	49.710	80.00- 120.00	100.00
21.446	21.446 (1.084)	85	2063812			14.12- 114.12	63.83
140 Propylbenzene					CAS #: 103-65-1		
21.501	21.501 (1.087)	91	7719439	53.1549	53.155	80.00- 120.00	100.00
21.529	21.529 (1.088)	120	1973424			0.00- 76.14	25.56
21.501	21.501 (1.087)	105	301465			0.00- 54.01	3.91
144 4-Ethyltoluene					CAS #: 622-96-8		
21.640	21.639 (1.094)	105	8356720	59.3758	59.376	80.00- 120.00	100.00
21.640	21.639 (1.094)	120	2213482			0.00- 75.81	26.49
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
21.722	21.722 (1.098)	105	5255668	41.7367	41.737	80.00- 120.00	100.00
21.722	21.722 (1.098)	120	3663732			5.21- 105.21	69.71
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.165	22.165 (1.120)	105	5214046	44.5868	44.587	80.00- 120.00	100.00
22.165	22.165 (1.120)	120	2708493			2.79- 102.79	51.95
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.580	22.580 (1.141)	146	3858935	47.1953	47.195	80.00- 120.00	100.00
22.580	22.580 (1.141)	148	2458838			13.48- 113.48	63.72
22.580	22.580 (1.141)	111	1412349			0.00- 86.47	36.60
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
22.690	22.690 (1.147)	146	3944596	47.5612	47.561	80.00- 120.00	100.00
22.690	22.690 (1.147)	148	2518816			13.17- 113.17	63.85
22.690	22.690 (1.147)	111	1378356			0.00- 85.15	34.94

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
22.856	22.856 (1.155)	91	4821268	50.9445	50.944	80.00- 120.00	100.00
22.856	22.856 (1.155)	126	1171350			0.00- 74.44	24.30
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.160	23.160 (1.170)	146	3558700	46.4982	46.498	80.00- 120.00	100.00
23.160	23.160 (1.170)	148	2268046			13.74- 113.74	63.73
23.133	23.133 (1.169)	111	1362988			0.00- 88.37	38.30
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
24.985	24.985 (1.263)	180	2967736	50.0189	50.019	80.00- 120.00	100.00
24.985	24.985 (1.263)	182	2833608			45.09- 145.09	95.48
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.068	25.068 (1.267)	225	2135645	46.5907	46.591	80.00- 120.00	100.00
25.068	25.068 (1.267)	223	1344296			13.25- 113.25	62.95
171 Naphthalene					CAS #: 91-20-3		
25.317	25.317 (1.279)	128	5948994	51.4288	51.429	80.00- 120.00	100.00
25.317	25.317 (1.279)	127	713245			0.00- 61.98	11.99
29 Isopentane					CAS #: 78-78-4		
8.174	8.147 (0.582)	43	645979	47.7400	47.740	80.00- 120.00	100.00
8.174	8.147 (0.582)	57	402974			11.98- 111.98	62.38
22 Butane					CAS #: 106-97-8		
5.686	5.658 (0.405)	58	97034	47.4424	47.442	80.00- 120.00	100.00
5.658	5.658 (0.403)	43	801958			745.17- 845.17	826.47
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.082	16.082 (1.146)	83	1915876	51.9986	51.998	80.00- 120.00	100.00
16.082	16.082 (1.146)	98	994714			0.00- 99.87	51.92
16.082	16.082 (1.146)	55	1413844			29.41- 129.41	73.80
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.852	11.852 (0.844)	59	462560	32.9539	32.954	80.00- 120.00	100.00
11.852	11.824 (0.844)	41	102647			0.00- 76.34	22.19
11.852	11.852 (0.844)	57	48036			0.00- 59.69	10.38

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t090903.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /var/chem/msdt.i/t-09sep.b/t14q903a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 09-SEP-2008
Calibration Time: 09:25
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	277943	166766	389120	275876	-0.74
95 1,4-Difluorobenze	1225262	735157	1715367	1257463	2.63
123 Chlorobenzene-d5	1263034	757820	1768248	1290459	2.17

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.04	13.71	14.37	14.04	0.00
95 1,4-Difluorobenze	15.47	15.14	15.80	15.47	0.00
123 Chlorobenzene-d5	19.79	19.46	20.12	19.79	0.00

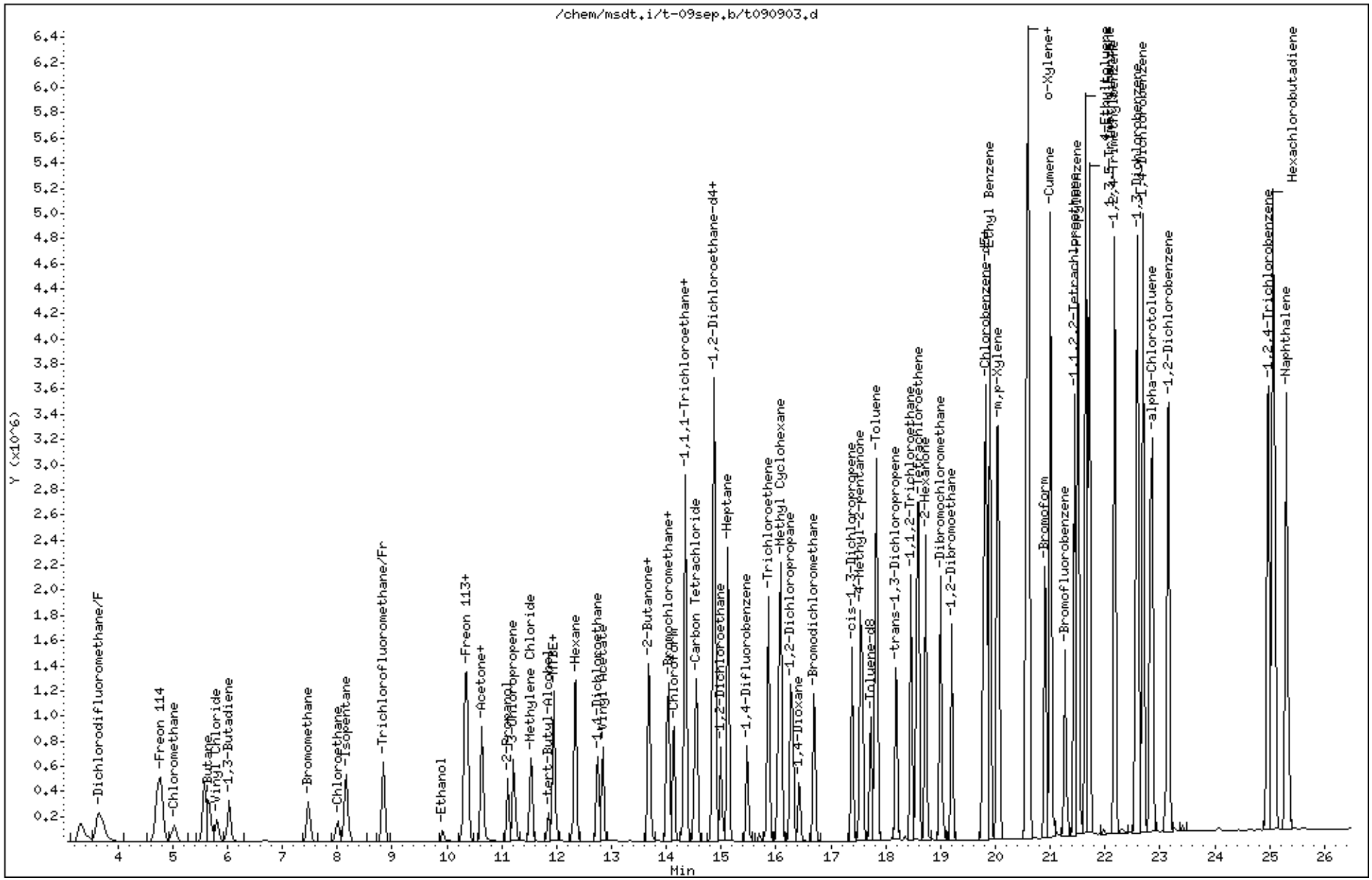
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/t-09sep.b/t090903.d
Date : 09-SEP-2008 10:00
Client ID: LCS-1
Sample Info: 50mL #1612-121

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



0163

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0164

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.18
75	30.0 – 60.0% of mass 95	35.81
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.80
173	Less than 2.0% of mass 174	(0.55)[1]
174	50.0 – 100% of mass 95	78.95
175	5.0 – 9.0% of mass 174	(7.14)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.81)[1]
177	5.0 – 9.0% of mass 176	(6.68)[2]

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

BFB Injection Date: 9/9/08
BFB Injection Time: 0858
BFB File ID: T090901
Tekmar Purge Flow:
Vacuum: 7.16e-6

IS/S Std.#: 1541-253	Exp. Date: 12/3/08
BCM	177943
1,4-DFB	1225262
CB-d5	1263034

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

Verify 176/174 m/z Ratio: 305216/315264 x100 = 96.81

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1245097)}{(1225262)} \times \frac{(25.0)}{(1.01805)} = 24.954$

File ID:	T090902
Compound:	Tol-d8
Initials:	SJM

Reported Result 24.954

Method: TO-15 903a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	T090901	BFB Tune Check	1476-471	50psig	2µL	1.00	SJM	9/9/08	0858	SJM	
2	✓	02	CCV-1 (100ppbv)	1612-93A	50psig	100mL				0925	SJM	MTBE ↓ = 40
3	✓	03	LCS-1 (200ppbv)	1612-121	↑	50mL				1000	SJM	1 out
4	✓	04	Lab blank	9943	Humid	200mL	↓			1055	SJM	
5	✓	05	0808672-01A	36571	4.5"Hg-15psig	200mL	2.36			1154	SJM	
6	X	06	↓ -02A	11438	3.5"Hg-15psig	25mL	18.3			1235	SJM	RR@200mL
7	✓	↓ 07	↓ -02A	↓	↓	200mL	2.29	↓	↓	1335	SJM	

SJM
Signature

9/9/08
Date

0165

8	✓	T090908	0808672-03A	14512	4"Hg-15psi	200mL	2.33	RA	9/9/08	1424	RA/fo	
9	✓	09	↓ -03AA	↓	↓	↓	↓	RA		1508	RA/fo	
10	✓	10	0808670-01A	33911	9.5"Hg-5psi	200mL	1.96			1556	RA/fo	
11	✓	11	↓ -02A	14111	8.5"Hg-5psi	200mL	1.87	↓		1636	KR	
12	x	12	0808669-05A	35142	1.0"Hg-5psi	1.5mL	185	KR		1719	KR	
13	✓	13	↓ -05A	↓	↓	3mL	92.7	KR		1803	KR	
14	✓	14	0808677-01A	25283	4.0"Hg-15psi	200mL	2.33	KR		1912	KR	
15	x ✓	15	-02A	30816	4.5"Hg-15psi	10mL	47.6	KR		2002	KR	RR 50mL
16	✓	16	-02A	↓	↓	50mL	9.52	KR		2058	KR	
17	✓	17	-03AA	34664	2.5"Hg-15psi	100mL	4.40	KR		2142	KR	RR 200mL
18	✓	18	-05A	34120	4.0"Hg-15psi	200mL	2.33	KR		2224	DM/fo	
19	✓	19	-03A	34664	2.5"Hg-15psi	200mL	2.20	DM	↓	2333	DM/	
20	✓	20	-06A	36447	4.0"Hg-15psi	200mL	2.33	DM	9/10/08	0009	DM/	
21	✓	21	-07A	2111	↓	↓	↓			0043	DM/	
22	✓	22	-08A	34126	2.75"Hg-15psi	200mL	1.00			0148	DM/	trip blank
23	✓	23	-09A	35606	6.0"Hg-15psi	↓	2.53			0226	DM/	
24	✓	24	-10A	35615	5.0"Hg-15psi		2.42			0303	DM/	
25	✓	25	-11A	36467	4.0"Hg-15psi		2.33			0342	DM/	
26	✓	26	-12A	11823	6.0"Hg-15psi		2.53			0438	DM/	
27	✓	27	13A	35683	2.5"Hg-15psi		2.20			0529	DM/	
28	✓	↓ 28	↓ 14A	34086	0.0"Hg-15psi	↓	2.02	↓	↓	0637	fo	
29		T0909 29	IDOC #1 SMD	4250	2.0ppbv	200mL	1.00	MZ	9-10-08			
30		T0909 30	IDOC #2 SMD	↓	↓	↓	↓	↓	↓			
31												RA 9-10-08

Comments:

Signature: [signature]

Date: 9-10-08

Air Toxics Ltd.

Data file : /var/chem/msdt.i/t-03sep.b/t090301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 03-SEP-2008 12:16
Operator : ra Inst ID: msdt.i
Smp Info : 2uL #1476-476;BFB Tune Check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msdt.i/t-03sep.b/bfb60.m
Meth Date : 03-Sep-2008 12:06 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

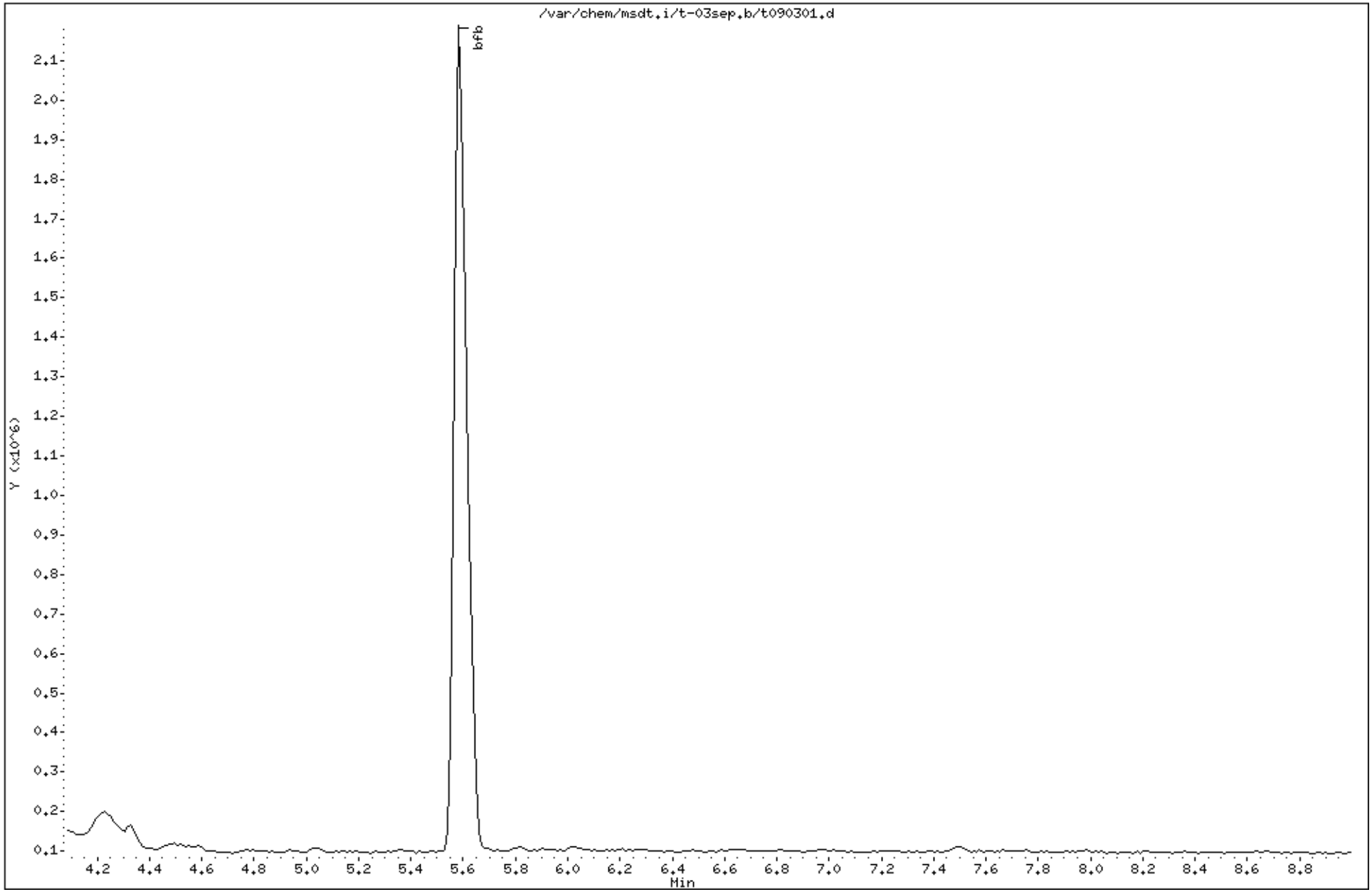
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
5.583	5.461	0.122	95	431968			100.00- 100.00	100.00
5.583	5.461	0.122	50	72285			15.00- 40.00	16.73
5.583	5.461	0.122	75	149407			30.00- 60.00	34.59
5.583	5.461	0.122	96	29577			5.00- 9.00	6.85
5.583	5.461	0.122	173	1848			0.00- 1.99	0.50
5.583	5.461	0.122	174	368341			50.01- 100.00	85.27
5.583	5.461	0.122	175	25909			5.00- 9.00	7.03
5.583	5.461	0.122	176	359733			95.01- 100.99	97.66
5.583	5.461	0.122	177	23456			5.00- 9.00	6.52

0167

Data File: /var/chem/msdt.i/t-03sep.b/t090301.d
Date : 03-SEP-2008 12:16
Client ID: BFB
Instrument: msdt.i
Sample Info: 2uL #1476-476;BFB Tune Check;BFB Tune check
Volume Injected (uL): 1.0
Operator: ra
Column phase:
Column diameter: 2.00



Data File: /var/chem/msdt.i/t-03sep.b/t090301.d

Date : 03-SEP-2008 12:16

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-476;BFB Tune Check;BFB Tune check

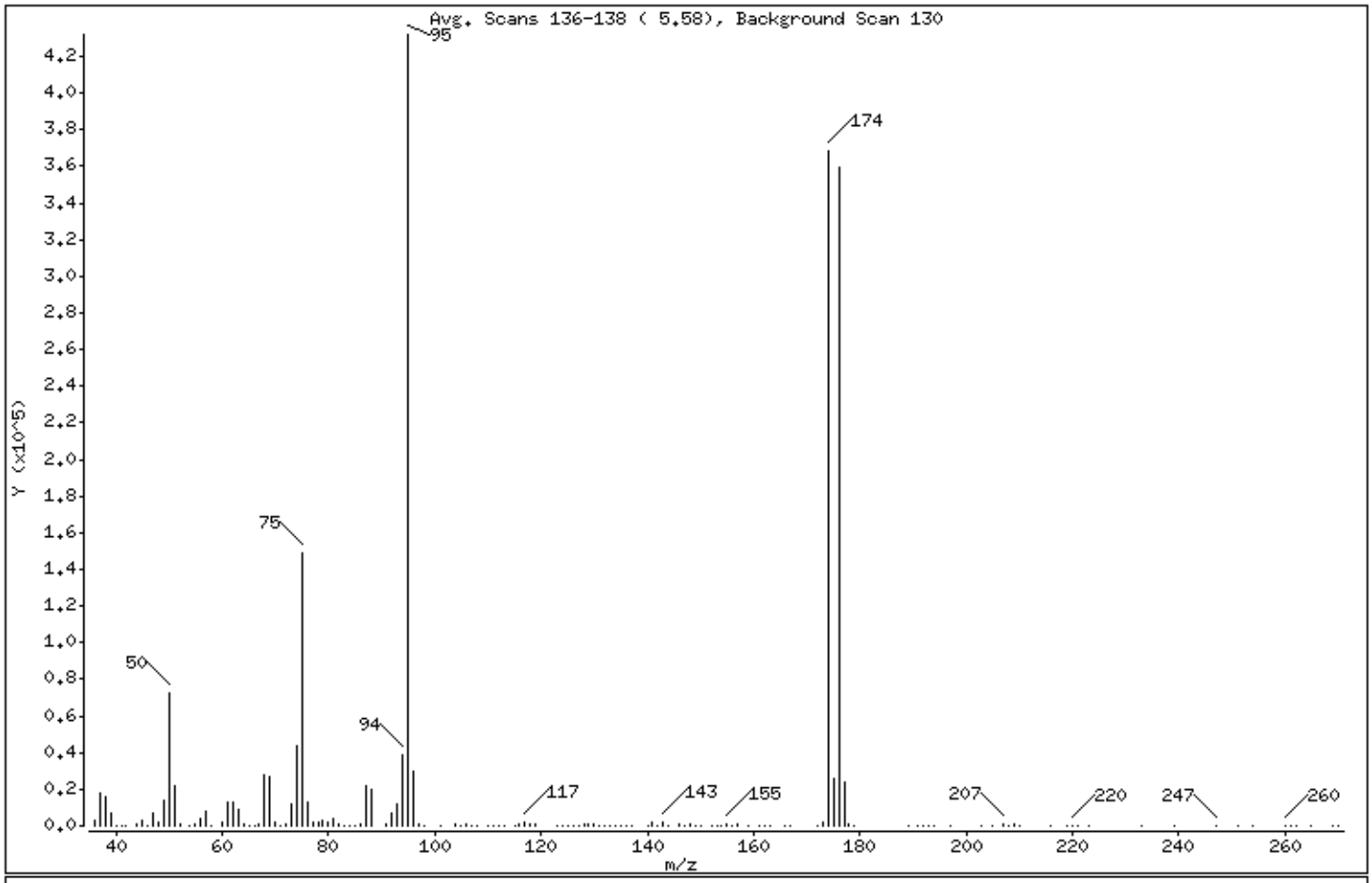
Volume Injected (uL): 1.0

Operator: ra

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.73
75	30.00 - 60.00% of mass 95	34.59
96	5.00 - 9.00% of mass 95	6.85
173	Less than 1.99% of mass 174	0.43 (0.50)
174	50.01 - 100.00% of mass 95	85.27
175	5.00 - 9.00% of mass 174	6.00 (7.03)
176	95.01 - 100.99% of mass 174	83.28 (97.66)
177	5.00 - 9.00% of mass 176	5.43 (6.52)

Date : 03-SEP-2008 12:16

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-476;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: ra

Column phase: Column diameter: 2.00

Data File: t090301.d
Spectrum: Avg. Scans 136-138 (5.58), Background Scan 130
Location of Maximum: 95.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3128	76.00	13259	124.00	126	173.00	1848
37.00	17888	77.00	2305	125.00	23	174.00	368320
38.00	15779	78.00	1957	126.00	84	175.00	25904
39.00	6580	79.00	3206	127.00	120	176.00	359680
40.00	195	80.00	2054	128.00	1241	177.00	23456
41.00	114	81.00	3565	129.00	567	178.00	594
42.00	37	82.00	1387	130.00	1152	179.00	54
44.00	610	83.00	279	131.00	434	189.00	23
45.00	3187	84.00	9	132.00	63	191.00	203
46.00	67	85.00	131	133.00	59	192.00	167
47.00	7050	86.00	552	134.00	120	193.00	113
48.00	2037	87.00	22016	135.00	166	194.00	25
49.00	14260	88.00	20032	136.00	134	197.00	54
50.00	72280	91.00	542	137.00	430	203.00	14
51.00	21808	92.00	7357	140.00	250	205.00	48
52.00	968	93.00	12062	141.00	1640	207.00	1123
54.00	12	94.00	38824	142.00	311	208.00	349
55.00	680	95.00	431936	143.00	1651	209.00	581
56.00	4071	96.00	29576	144.00	66	210.00	50
57.00	8438	97.00	974	146.00	588	216.00	59
58.00	313	98.00	46	147.00	293	219.00	67
60.00	2422	101.00	111	148.00	636	220.00	94
61.00	13023	104.00	654	149.00	214	221.00	91
62.00	13106	105.00	190	150.00	296	223.00	27
63.00	9245	106.00	828	152.00	65	233.00	16
64.00	911	107.00	191	153.00	360	239.00	75
65.00	174	108.00	108	154.00	252	247.00	112
66.00	117	110.00	332	155.00	922	251.00	5
67.00	733	111.00	150	156.00	288	254.00	43
68.00	28280	112.00	11	157.00	685	260.00	383
69.00	27136	113.00	230	159.00	319	261.00	159
70.00	2336	115.00	180	161.00	205	262.00	7
71.00	109	116.00	658	162.00	63	265.00	31
72.00	1374	117.00	1536	163.00	208	269.00	326
73.00	11619	118.00	826	166.00	67	270.00	27

Date : 03-SEP-2008 12:16

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-476;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: ra

Column phase: Column diameter: 2.00

Data File: t090301.d
Spectrum: Avg. Scans 136-138 (5.58), Background Scan 130
Location of Maximum: 95.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	43320	119.00	927	167.00	54		
75.00	149376	123.00	204	172.00	203		

Air Toxics Ltd.

Data file : /var/chem/msdt.i/t-09sep.b/t090901.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 09-SEP-2008 08:58
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL #1476-471;BFB Tune Check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msdt.i/t-09sep.b/bfb60.m
Meth Date : 09-Sep-2008 08:48 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

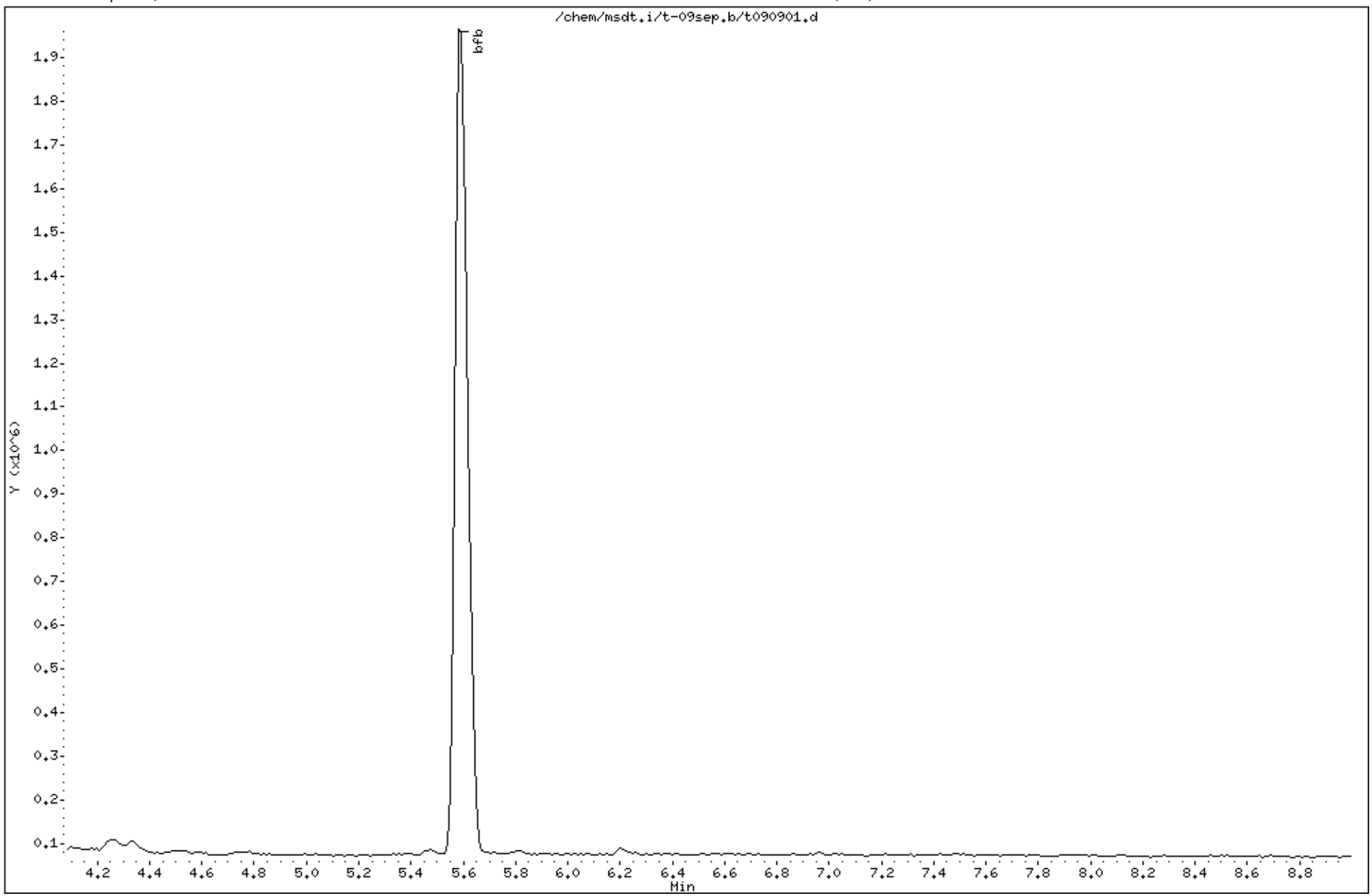
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
5.583	5.461	0.122	95	399360			100.00- 100.00	100.00
5.583	5.461	0.122	50	68621			15.00- 40.00	17.18
5.583	5.461	0.122	75	143011			30.00- 60.00	35.81
5.583	5.461	0.122	96	27138			5.00- 9.00	6.80
5.583	5.461	0.122	173	1740			0.00- 1.99	0.55
5.583	5.461	0.122	174	315285			50.01- 100.00	78.95
5.583	5.461	0.122	175	22499			5.00- 9.00	7.14
5.583	5.461	0.122	176	305242			95.01- 100.99	96.81
5.583	5.461	0.122	177	20397			5.00- 9.00	6.68

0172

Data File: /chem/msdt.i/t-09sep.b/t090901.d
Date : 09-SEP-2008 08:58
Client ID: BFB
Instrument: msdt.i
Sample Info: 2uL #1476-471;BFB Tune Check;BFB Tune check
Volume Injected (uL): 1.0
Operator: sjr
Column phase:
Column diameter: 2.00



Data File: /chem/msdt.i/t-09sep.b/t090901.d

Date : 09-SEP-2008 08:58

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-471;BFB Tune Check;BFB Tune check

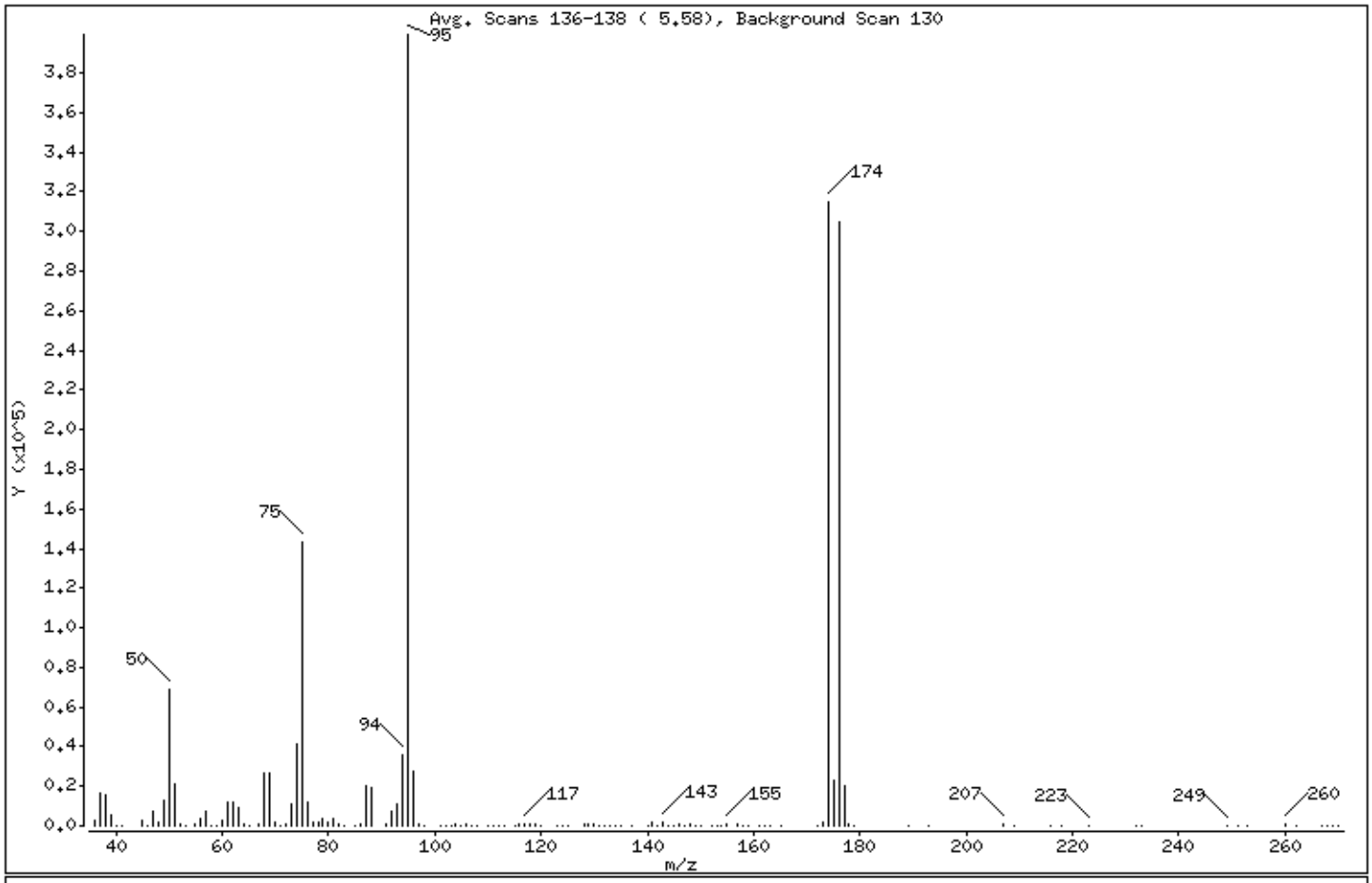
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.18
75	30.00 - 60.00% of mass 95	35.81
96	5.00 - 9.00% of mass 95	6.80
173	Less than 1.99% of mass 174	0.44 (0.55)
174	50.01 - 100.00% of mass 95	78.95
175	5.00 - 9.00% of mass 174	5.63 (7.14)
176	95.01 - 100.99% of mass 174	76.43 (96.81)
177	5.00 - 9.00% of mass 176	5.11 (6.68)

Date : 09-SEP-2008 08:58

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-471;BFB Tune Check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t090901.d
Spectrum: Avg. Scans 136-138 (5,58), Background Scan 130
Location of Maximum: 95.00
Number of points: 133

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2868	75.00	142976	116.00	563	159.00	301
37.00	16496	76.00	12024	117.00	1220	161.00	318
38.00	15216	77.00	2234	118.00	702	162.00	60
39.00	5862	78.00	1492	119.00	953	163.00	16
40.00	23	79.00	3358	120.00	215	165.00	116
41.00	85	80.00	1639	123.00	111	172.00	162
45.00	2757	81.00	3310	124.00	124	173.00	1740
46.00	75	82.00	1121	125.00	64	174.00	315264
47.00	7159	83.00	117	128.00	928	175.00	22496
48.00	1761	85.00	59	129.00	514	176.00	305216
49.00	13062	86.00	493	130.00	1020	177.00	20392
50.00	68616	87.00	19928	131.00	348	178.00	598
51.00	20784	88.00	19368	132.00	184	179.00	57
52.00	747	91.00	530	133.00	83	189.00	114
53.00	107	92.00	7355	134.00	116	193.00	29
55.00	701	93.00	11306	135.00	156	207.00	768
56.00	4004	94.00	35512	137.00	409	209.00	109
57.00	7340	95.00	399360	140.00	128	216.00	51
58.00	392	96.00	27136	141.00	1460	218.00	15
59.00	70	97.00	1277	142.00	256	223.00	116
60.00	2468	98.00	124	143.00	1555	232.00	3
61.00	12362	101.00	53	144.00	72	233.00	49
62.00	12068	102.00	149	145.00	219	249.00	75
63.00	8804	103.00	112	146.00	520	251.00	273
64.00	767	104.00	660	147.00	74	253.00	28
65.00	122	105.00	276	148.00	502	260.00	495
67.00	662	106.00	902	149.00	346	262.00	55
68.00	26648	107.00	293	150.00	291	267.00	1
69.00	26296	108.00	87	152.00	58	268.00	61
70.00	2143	110.00	100	153.00	287	269.00	258
71.00	202	111.00	200	154.00	220	270.00	186
72.00	1014	112.00	125	155.00	724		
73.00	10759	113.00	64	157.00	572		
74.00	41328	115.00	282	158.00	67		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

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

COMPANY: GEI Consultants, Inc.
ATTENTION: Ms. Theresa Landgraff
FAX #:
FROM: Sample Receiving
Workorder #: 0808670
# of pages (Including Cover): 1

9/16/2008

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

0808670

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

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

Collected By: Signature: [redacted] MZL

Project Info:
P.O. #
Project # 061140 - 8 - 1703
Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:
☒ Normal
☐ Rush ______
Specify

Lab I.D.	Field Sample I.D. (Can #)	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
	[redacted]	[redacted]	TO-15 + Naphthalene	[redacted]	[redacted]	
	[redacted]	[redacted]	TO-15 + Naphthalene	[redacted]	[redacted]	
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
01A	AMS 3 UW 33911	8/27/08 0605-1410	TO-15 + NAPHTHALENE	-30	-10	
02A	AMS 5 DW 14111	8/27/08 0603-1407	TO-15 + NAPHTHALENE	-30	-8.5	

Relinquished By: (Signature) Date/Time [redacted] — Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time MZL 8/27/08 1430 — Received By: (Signature) Date/Time Monica Gregzen ATL 8/28/08 930

Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time

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

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0808670

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: 09/15/08
Date Completed: 9/12/08
Date Received: 8/29/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 624.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS 3 UW	Modified TO-15	8/27/2008	9.5 "Hg	$225.00
02A	AMS 5 DW	Modified TO-15	8/27/2008	8.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each., Shipment 58431	$100.00
	Blue Body Flow Controller (2) @ $35.00 each., Shipment 58431	$70.00
	Fuel Surcharge (2) @ $2.00 each.	$4.00

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

Other Records

DILUTION FACTORS

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0808670

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.
	NA	☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
N/A	☐	☐	☐	☐	☐	Corrective Action issued - # _____
	☐	☐	☐	☑	☐	Unusual circumstances have been documented in the notes section below

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

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

☑	☐	☐	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☐	☐	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
		☐	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐	☐			TICs resemble reference spectra
	NA	☐	☐			TICs between duplicate samples are consistent
N/A	☐	☐	☐	☐	☐	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
	NA	☐		☑		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)
☐	☐	☐				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: MTBE out ↓ in CCV on MSD-T; 9-9-08

14 day Hold Time

M/Q:

A_1/A_2 (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
A_1: 9-10-08	R: Taylor 9-12-08	9/12/	
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