



**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 #: 0709637

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. <u>Lumen Validation Report</u>	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	25
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	26	40
b. Surrogate Recover Summary Form (If Applicable)	41	41
c. Internal Standard Summary Form (If Applicable)	42	43
d. Duplicate Results Summary Sheet	--	--
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	44	307
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	308	335
i. Second Source LCS(Summary + Raw Data)	336	363
i. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	364	366
l. GC/MS Tune (Results + Raw Data)	367	396
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	397	398
b. Chain-of-Custody Records	399	399
c. Sample Log-In Sheet	400	400
d. Misc Shipping/Receiving Records (list of individual records)		
<u>Sample Receipt Discrepancy Report</u>	401	401
5. Other Records (describe or list)		
a. <u>Manual Spectral Defense</u>	--	--
b. <u>Manual Integrations</u>	--	--
c. <u>Manual Calculations</u>	--	--
d. <u>Canister Dilution Factors</u>	402	404
e. <u>Laboratory Corrective Action Request</u>	--	--
f. <u>CAS Number Reference</u>	405	406
g. <u>Variance Table</u>	--	--
h. <u>Canister Certification</u>	--	--
i. <u>Data Review Check Sheet</u>	407	407

Comments:

Completed by:

Kara McKiernan

Kara McKiernan / Document Control

10/18/07

(Signature)

(Print Name & Title)

(Date)



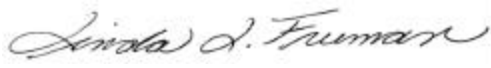
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0709637

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	BILL TO:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	P.O. #	NR
FAX:	860-368-5307	PROJECT #	061140-8-1703 BayShore OU1 Southern
DATE RECEIVED:	09/28/2007	CONTACT:	cell Air Monitorin Bryanna Langley
DATE COMPLETED:	10/11/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	UW AMS 5	Modified TO-15	8.0 "Hg
02A	DW AMS 3	Modified TO-15	8.0 "Hg
03A	Lab Blank	Modified TO-15	NA
03B	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
04B	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA
05B	LCS	Modified TO-15	NA

CERTIFIED BY:  DATE: 10/11/07

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0709637



Two 6 Liter Summa Canister samples were received on September 28, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

The Chain of Custody (COC) information for sample UW AMS 5 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

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 no 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)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
UW AMS 5	0709637-01A	9/26/2007	9/28/2007	NA	14	10/10/2007	NA	Good
DW AMS 3	0709637-02A	9/27/2007	9/28/2007	NA	13	10/10/2007	NA	Good
Lab Blank	0709637-03A	NA	NA	NA	NA	10/10/2007	NA	Good
Lab Blank	0709637-03B	NA	NA	NA	NA	10/10/2007	NA	Good
CCV	0709637-04A	NA	NA	NA	NA	10/10/2007	NA	Good
CCV	0709637-04B	NA	NA	NA	NA	10/10/2007	NA	Good
LCS	0709637-05A	NA	NA	NA	NA	10/10/2007	NA	Good
LCS	0709637-05B	NA	NA	NA	NA	10/10/2007	NA	Good

Sample Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS 5

Lab ID#: 0709637-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	4.0	8.7	9.4



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0709637-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101006	Date of Collection:	9/26/07
Dil. Factor:	1.83	Date of Analysis:	10/10/07 12:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0709637-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101006	Date of Collection:	9/26/07
Dil. Factor:	1.83	Date of Analysis:	10/10/07 12:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	4.0	8.7	9.4
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	125	70-130
4-Bromofluorobenzene	94	70-130

Report Date: 11-Oct-2007 11:08

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/10Oct2007.b/t101006.d
 Lab Smp Id: 0709637-01A
 Inj Date : 10-OCT-2007 12:25
 Operator : cb Inst ID: msdt.i
 Smp Info : 200mL #25272
 Misc Info : 8.0"Hg --> 5psi
 Comment :
 Method : /chem/msdt.i/10Oct2007.b/t14q005a.m
 Meth Date : 10-Oct-2007 08:58 cbond Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1
 Dil Factor: 1.83000
 Integrator: HP RTE Compound Sublist: AT04.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	221984	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	178639			28.17- 128.17	80.47	
13.886	13.886	(1.000)	49	608978			329.87- 429.87	274.33	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.628	(1.000)	114	823029	25.0000		80.00- 120.00	100.00	
15.628	15.628	(1.000)	88	148978			0.00- 68.61	18.10	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	676853	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	494586			11.55- 111.55	73.07	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	531739	31.3107	31.311	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	252194			3.71- 103.71	47.43	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	799153	24.7961	24.796	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	120012			0.00- 62.83	15.02	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.227	18.227	(1.166)	100	553913			22.56- 122.56	69.31
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

22.789	22.789	(1.096)	174	309577	23.6466	23.646	80.00- 120.00	100.00
22.789	22.789	(1.096)	95	538541			120.73- 220.73	173.96
22.789	22.789	(1.096)	176	294175			49.66- 149.66	95.02

45 Acetone

CAS #: 67-64-1

10.236	10.208	(0.737)	58	28345	2.17349	3.977	80.00- 120.00	100.00
10.236	10.208	(0.737)	43	105733			257.67- 357.67	373.02

Report Date: 11-Oct-2007 11:08

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARYInstrument ID: msdt.i
Lab File ID: t101006.d
Lab Smp Id: 0709637-01ACalibration Date: 10-OCT-2007
Calibration Time: 08:38

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m

Misc Info: 8.0"Hg --> 5psi

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	226831	136099	317563	221984	-2.14
97 1,4-Difluorobenze	914695	548817	1280573	823029	-10.02
126 Chlorobenzene-d5	784660	470796	1098524	676853	-13.74

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 10Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0709637-01A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m
Misc Info: 8.0"Hg --> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	31.311	125.24	70-130
\$ 113 Toluene-d8	25.000	24.796	99.18	70-130
\$ 137 Bromofluorobenzene	25.000	23.646	94.59	70-130

Data File: /chem/msdt,i/100oct2007,b/t101006.d

Date: 10-OCT-2007 12:25

Client ID:

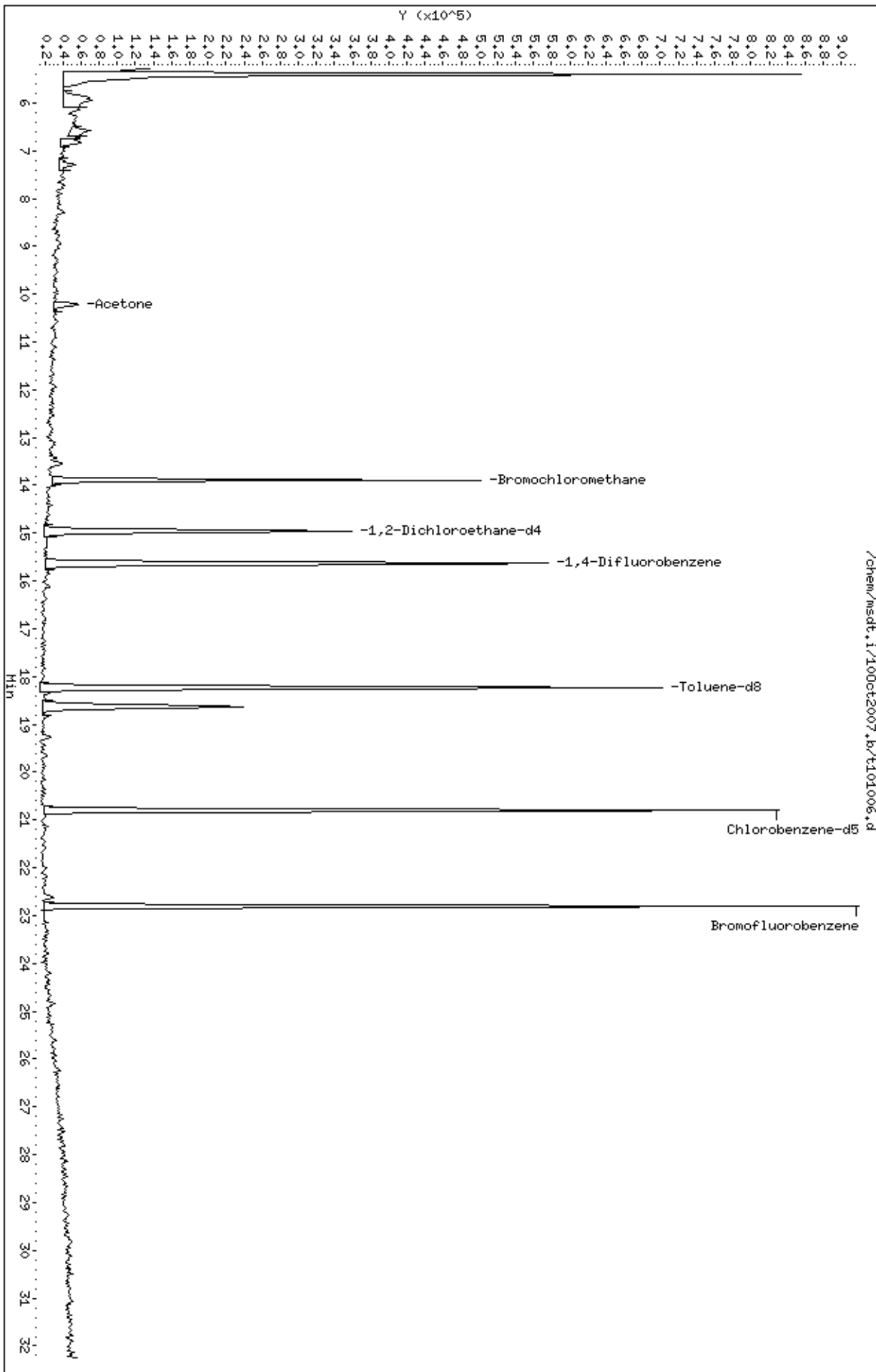
Sample Info: 200mL #25272

Column phase: RTX-624

Instrument: msdt,i

Operator: cb

Column diameter: 0.53



Date : 10-OCT-2007 12:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #25272

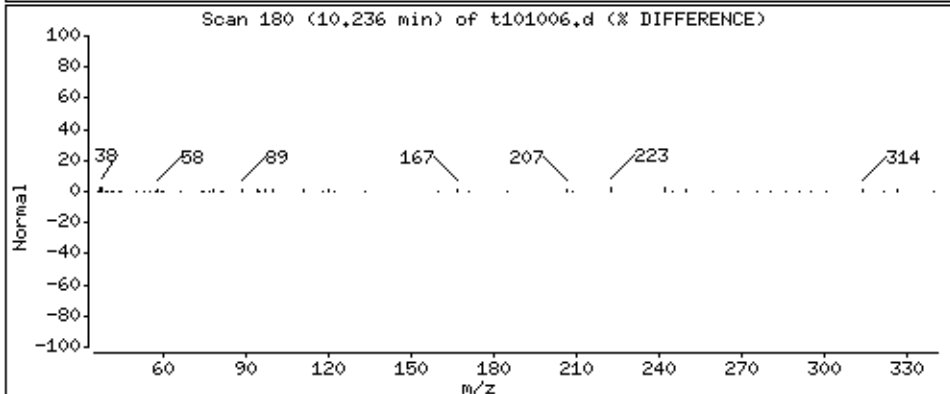
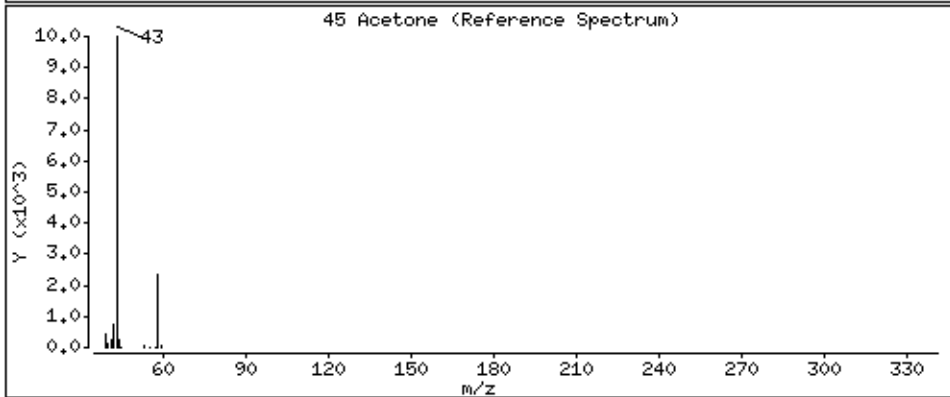
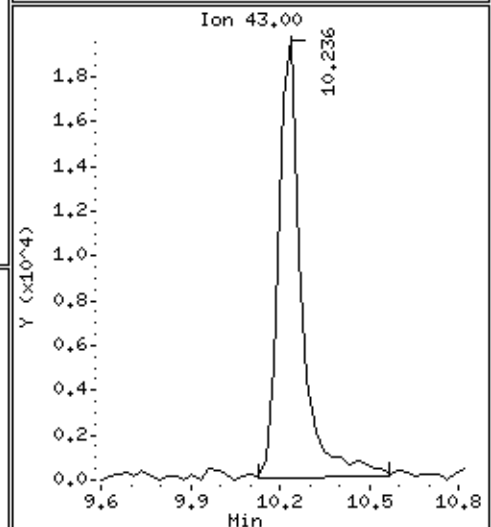
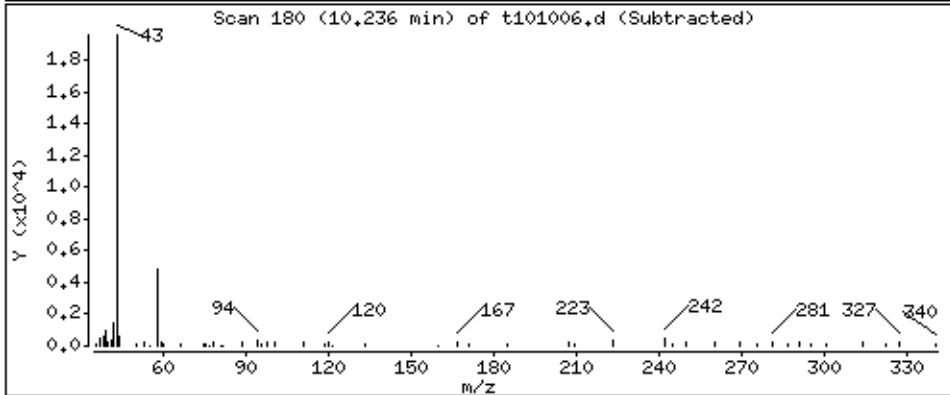
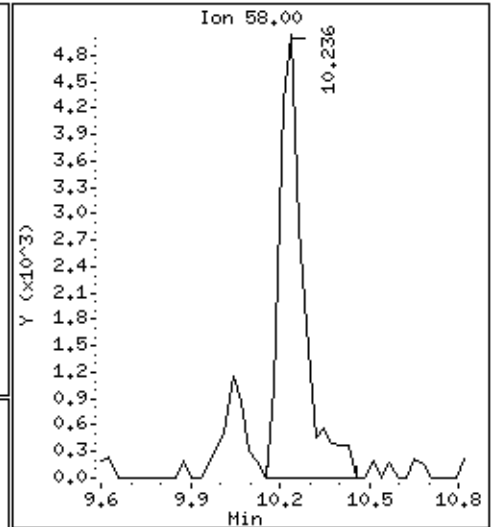
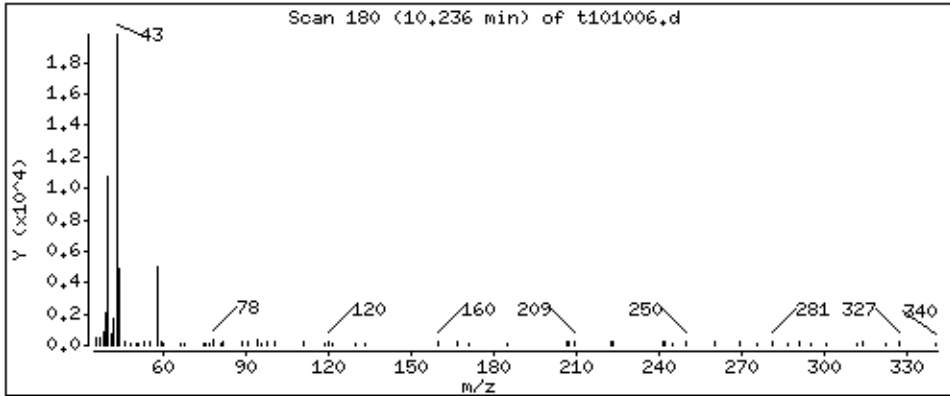
Operator: cb

Column phase: RTX-624

Column diameter: 0.53

45 Acetone

Concentration: 3,977 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: DW AMS 3

Lab ID#: 0709637-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	8.0	8.7	19
Carbon Disulfide	0.92	3.8	2.8	12
2-Butanone (Methyl Ethyl Ketone)	0.92	1.5	2.7	4.5



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0709637-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101010	Date of Collection:	9/27/07
Dil. Factor:	1.83	Date of Analysis:	10/10/07 03:36 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Vinyl Chloride	0.92	Not Detected	2.3	Not Detected
Bromomethane	0.92	Not Detected	3.6	Not Detected
Chloroethane	0.92	Not Detected	2.4	Not Detected
Freon 11	0.92	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Freon 113	0.92	Not Detected	7.0	Not Detected
Methylene Chloride	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
Toluene	0.92	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.0	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	0.92	Not Detected	4.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.7	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0709637-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101010	Date of Collection:	9/27/07
Dil. Factor:	1.83	Date of Analysis:	10/10/07 03:36 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.92	Not Detected	3.7	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
Chloromethane	3.7	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Acetone	3.7	8.0	8.7	19
Carbon Disulfide	0.92	3.8	2.8	12
2-Propanol	3.7	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.5	2.7	4.5
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	3.7	Not Detected	6.9	Not Detected
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
3-Chloropropene	3.7	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Naphthalene	3.7	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	110	70-130

Report Date: 11-Oct-2007 11:11

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-10oct.b/7101010.d
 Lab Smp Id: 0709637-02A
 Inj Date : 10-OCT-2007 15:36
 Operator : kr Inst ID: msd7.i
 Smp Info : 200mL #34425
 Misc Info : 8.0"Hg --> 5psi
 Comment :
 Method : /chem/msd7.i/7-10oct.b/t14q003b.m
 Meth Date : 10-Oct-2007 20:37 cbond Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:38 Cal File: 7100408.d
 Als bottle: 1
 Dil Factor: 1.83000
 Integrator: HP RTE Compound Sublist: AT04.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.402 (1.000)	130	722264	25.0000		80.00-	120.00	100.00	
14.430	14.402 (1.000)	128	557633			27.07-	127.07	77.21	
14.430	14.402 (1.000)	49	964159			140.67-	240.67	133.49	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.172 (1.000)	114	2227670	25.0000		80.00-	120.00	100.00	
16.200	16.172 (1.000)	88	350379			0.00-	65.65	15.73	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370 (1.000)	117	1553761	25.0000		80.00-	120.00	100.00	
21.370	21.342 (1.000)	82	852279			4.37-	104.37	54.85	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508 (1.075)	65	877580	26.0748	26.075	80.00-	120.00	100.00	
15.508	15.508 (1.075)	67	447865			5.39-	105.39	51.03	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771 (1.159)	98	1792094	23.0984	23.098	80.00-	120.00	100.00	
18.771	18.771 (1.159)	70	203644			0.00-	60.57	11.36	

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
== =====

\$ 113 Toluene-d8 (continued)

18.771 18.771 (1.159) 100 1247849 20.85- 120.85 69.63

\$ 137 Bromofluorobenzene CAS #: 460-00-4

23.333 23.333 (1.092) 174 878861 27.5230 27.523 80.00- 120.00 100.00

23.333 23.333 (1.092) 95 1106219 81.47- 181.47 125.87

23.333 23.333 (1.092) 176 839468 47.29- 147.29 95.52

45 Acetone CAS #: 67-64-1

10.531 10.504 (0.730) 58 104080 4.35172 7.964 80.00- 120.00 100.00

10.531 10.504 (0.730) 43 325769 213.19- 313.19 313.00

47 Carbon Disulfide CAS #: 75-15-0

10.918 10.891 (0.757) 76 301205 2.08899 3.823 80.00- 120.00 100.00

75 2-Butanone CAS #: 78-93-3

13.905 13.905 (0.964) 72 16982 0.82911 1.517 80.00- 120.00 100.00

13.932 13.905 (0.966) 43 77828 373.73- 473.73 458.29

13.905 13.905 (0.964) 57 5466 0.00- 83.11 32.19

Report Date: 11-Oct-2007 11:11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARYInstrument ID: msd7.i
Lab File ID: 7101010.d
Lab Smp Id: 0709637-02ACalibration Date: 10-OCT-2007
Calibration Time: 08:29

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: kr

Method File: /chem/msd7.i/7-10oct.b/t14q003b.m

Misc Info: 8.0"Hg --> 5psi

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	744887	446932	1042842	722264	-3.04
97 1,4-Difluorobenze	2396010	1437606	3354414	2227670	-7.03
126 Chlorobenzene-d5	1859190	1115514	2602866	1553761	-16.43

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.40	14.07	14.73	14.43	0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-10oct
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0709637-02A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-10oct.b/t14q003b.m
Misc Info: 8.0"Hg --> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.075	104.30	70-130
\$ 113 Toluene-d8	25.000	23.098	92.39	70-130
\$ 137 Bromofluorobenzene	25.000	27.523	110.09	70-130

Data File: /chem/msd7.1/7-10oct.b/7101010.d

Date : 10-OCT-2007 15:36

Client ID:

Sample Info: 200mL #34425

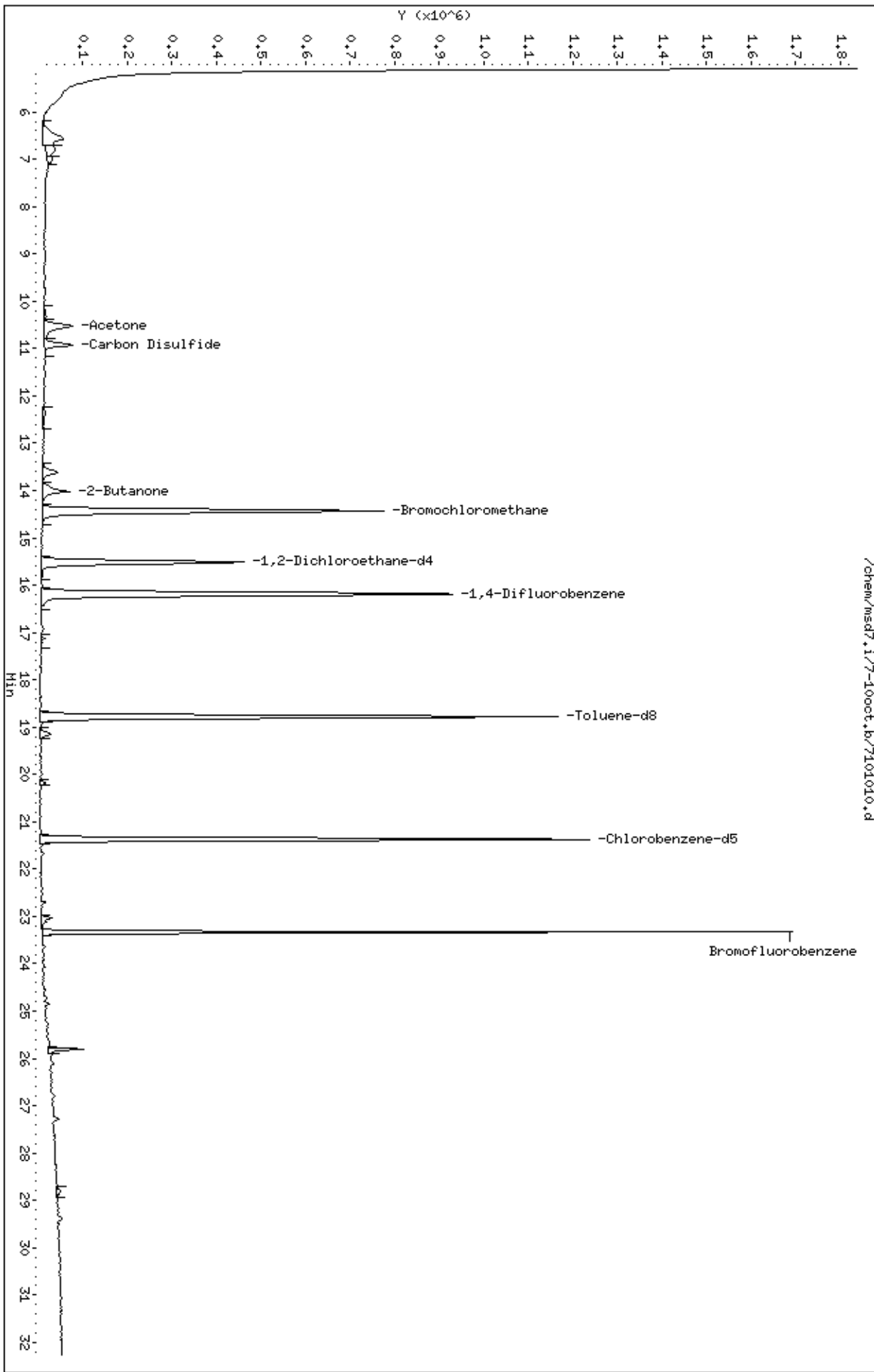
Column phase: RTX-624

Instrument: msd7.1

Operator: kp

Column diameter: 0.53

/chem/msd7.1/7-10oct.b/7101010.d



Date : 10-OCT-2007 15:36

Client ID:

Instrument: msd7,i

Sample Info: 200mL #34425

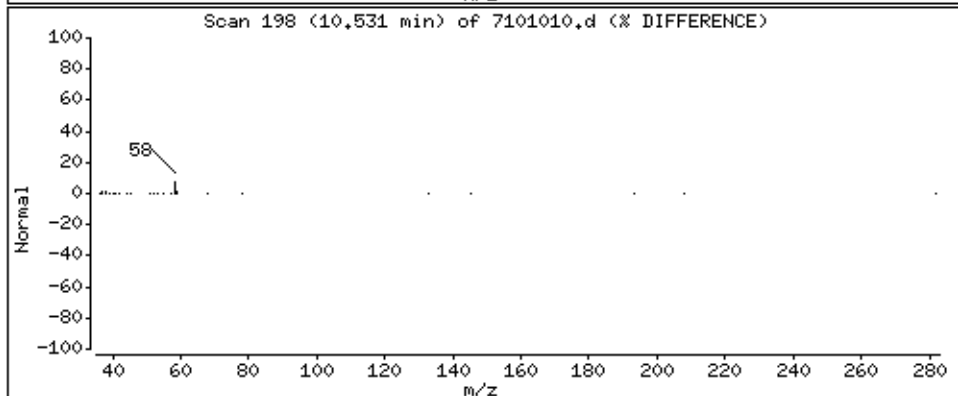
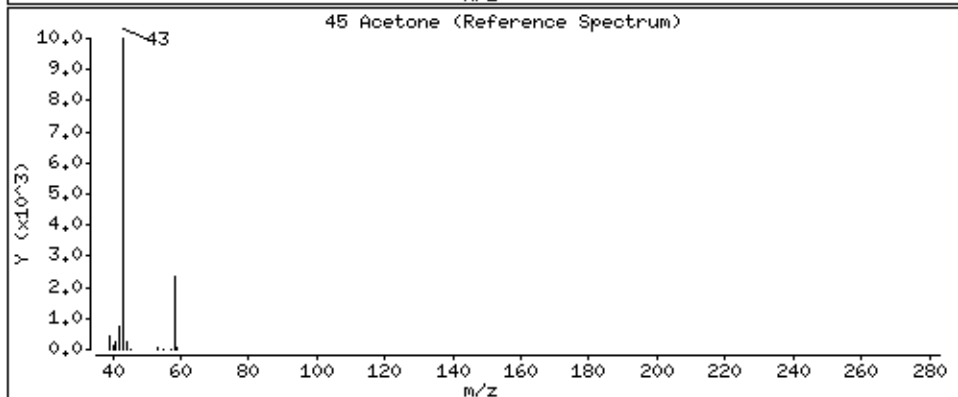
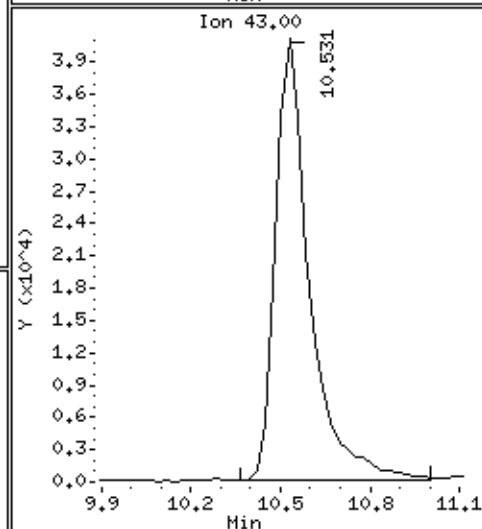
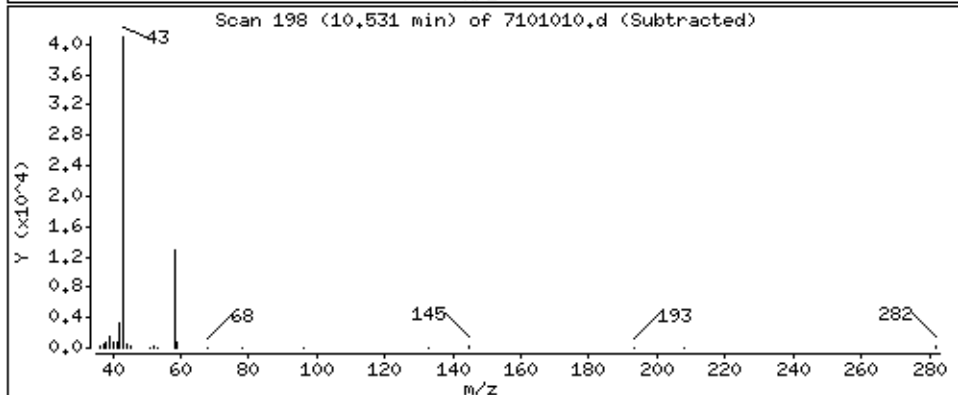
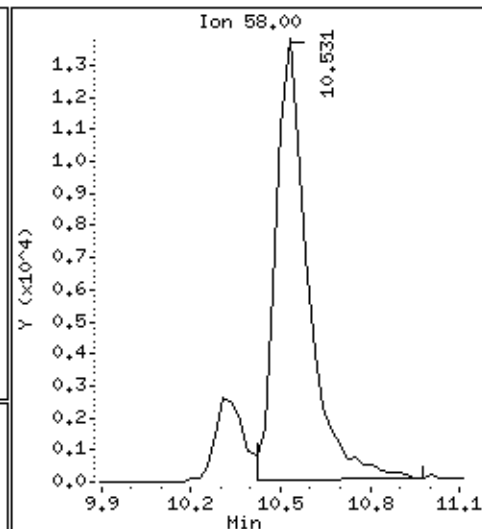
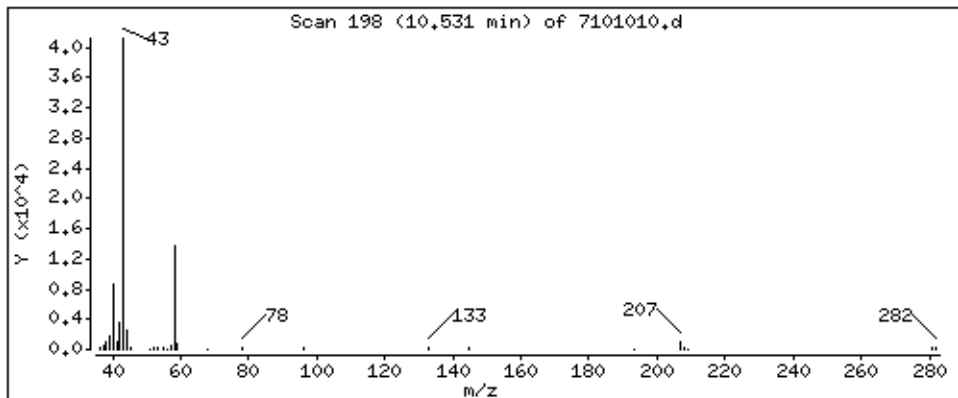
Operator: kr

Column phase: RTX-624

Column diameter: 0,53

45 Acetone

Concentration: 7,964 PPBV



Date : 10-OCT-2007 15:36

Client ID:

Instrument: msd7.i

Sample Info: 200mL #34425

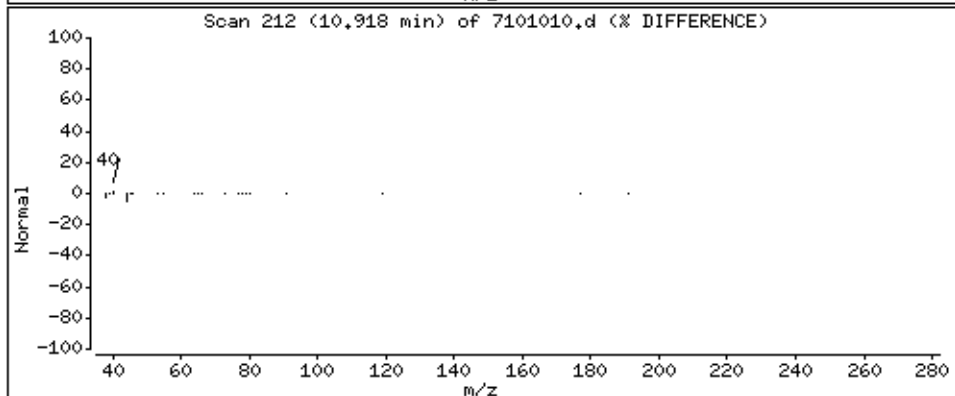
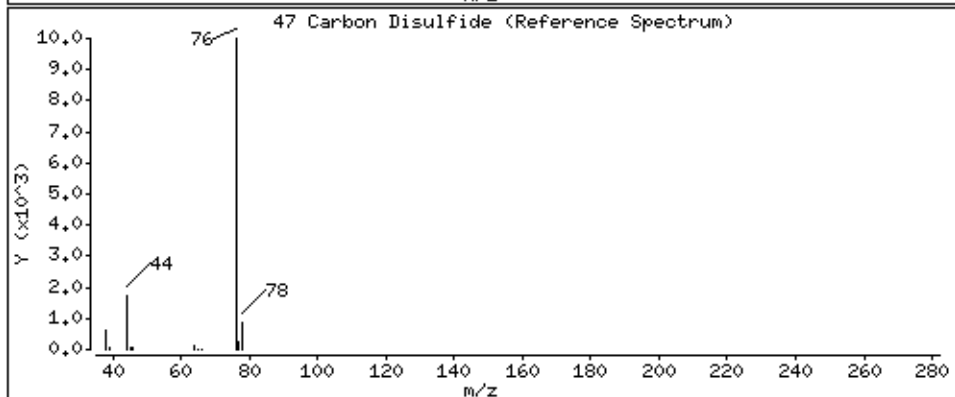
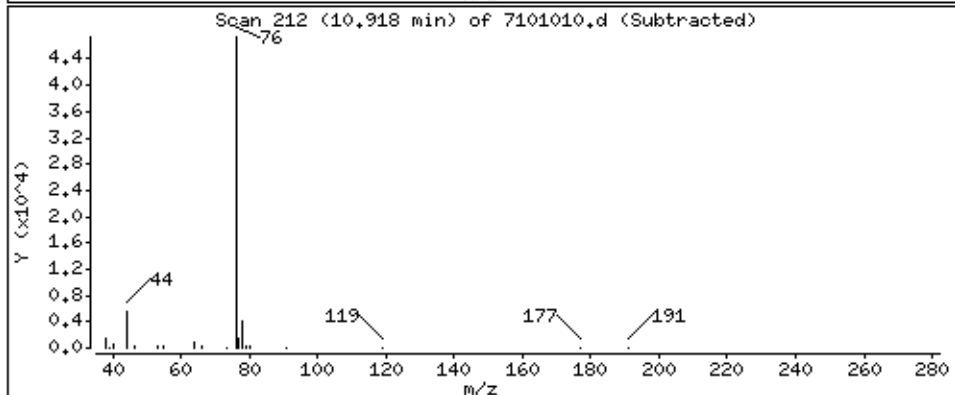
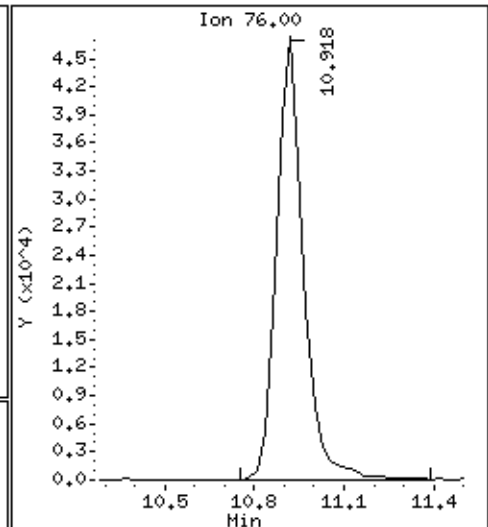
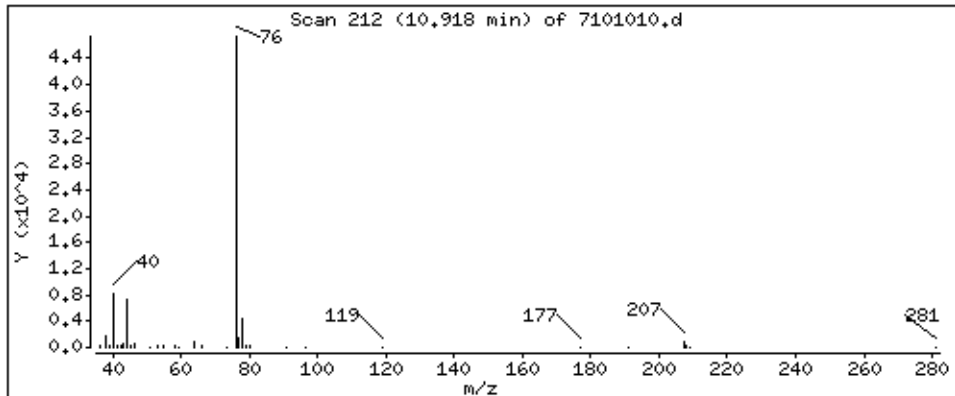
Operator: kr

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 3.823 PPBV



Date : 10-OCT-2007 15:36

Client ID:

Instrument: msd7.i

Sample Info: 200mL #34425

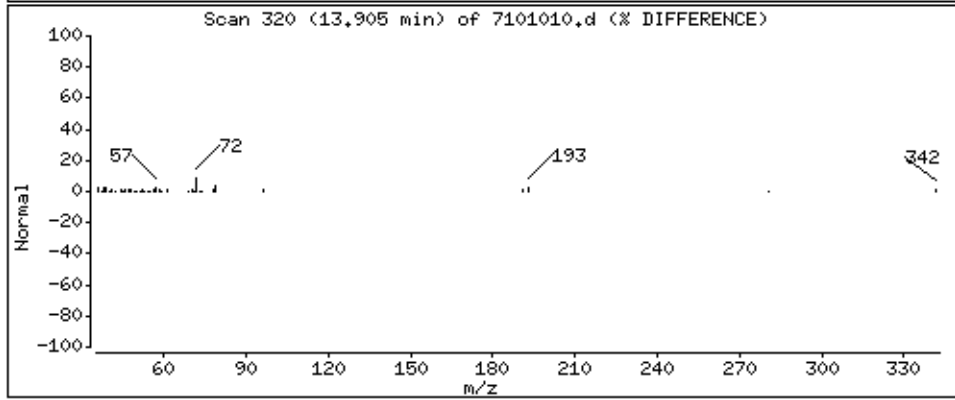
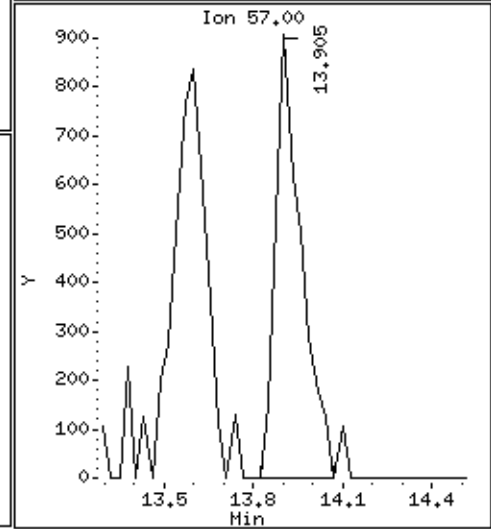
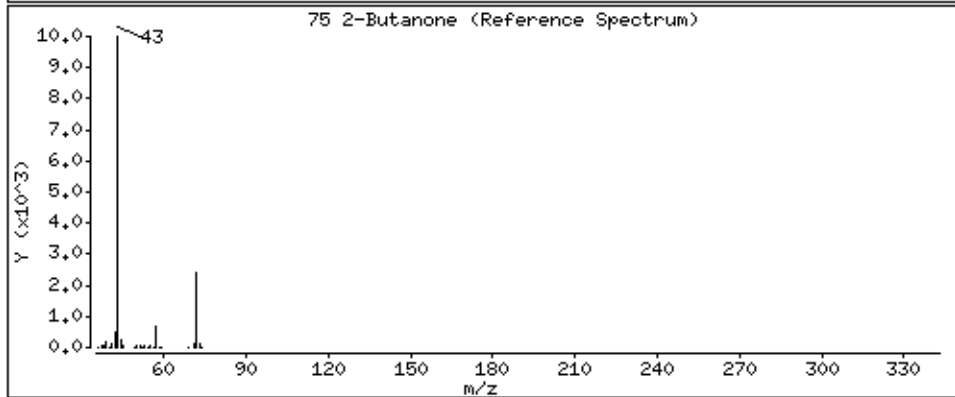
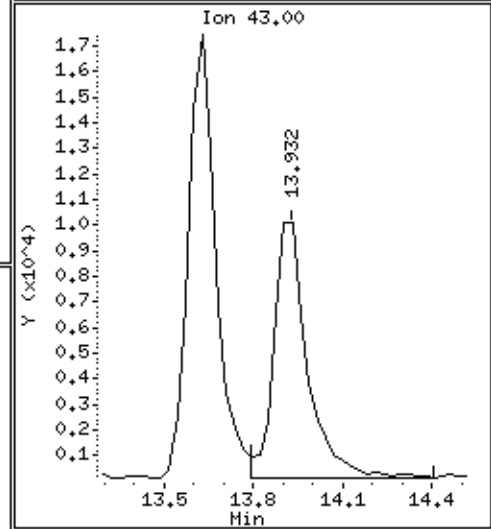
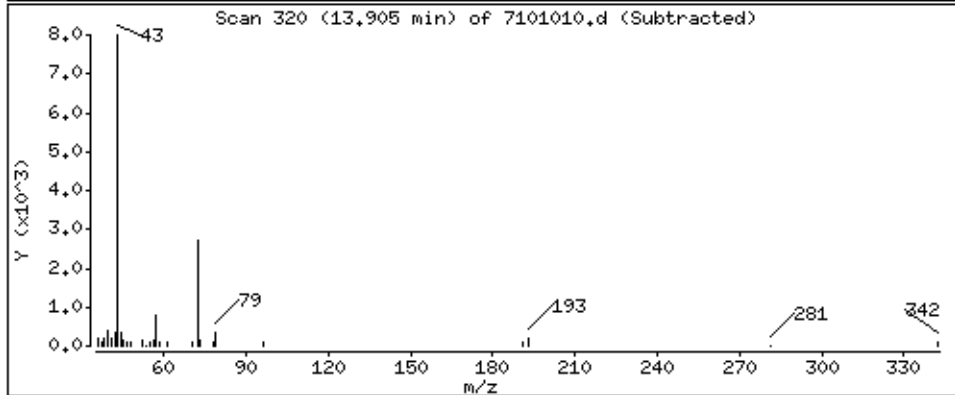
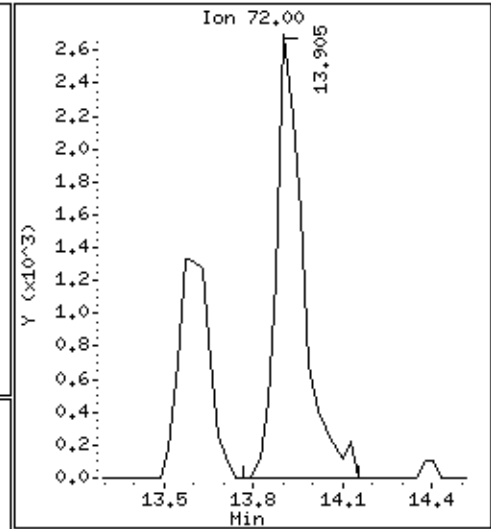
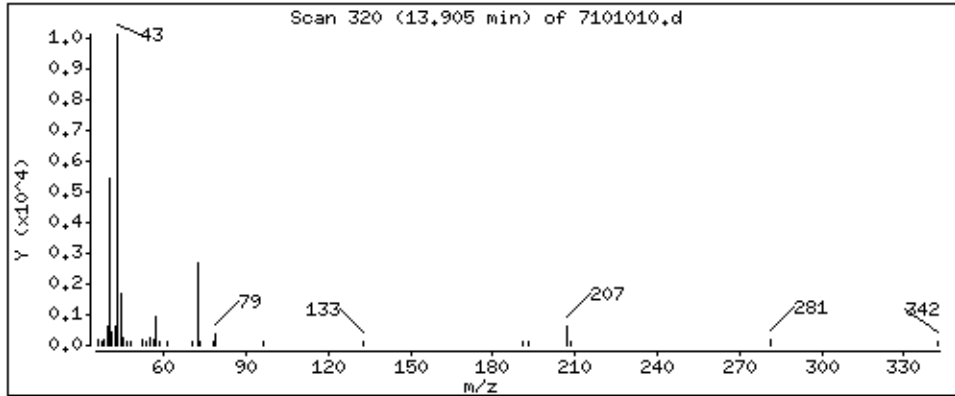
Operator: kr

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone

Concentration: 1,517 PPBV



QC Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0709637-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 11:17 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#: 0709637-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 11:17 AM

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	92	70-130

Report Date: 10-Oct-2007 11:58

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/10Oct2007.b/t101005.d
 Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
 Inj Date : 10-OCT-2007 11:17
 Operator : cb Inst ID: msdt.i
 Smp Info : 200mL #31437
 Misc Info : Humid
 Comment :
 Method : /chem/msdt.i/10Oct2007.b/t14q005a.m
 Meth Date : 10-Oct-2007 08:58 cbond Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886 (1.000)	130	223399	25.0000		80.00-	120.00	100.00	
13.886	13.886 (1.000)	128	170474			28.17-	128.17	76.31	
13.886	13.886 (1.000)	49	576814			329.87-	429.87	258.20	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.628 (1.000)	114	832214	25.0000		80.00-	120.00	100.00	
15.628	15.628 (1.000)	88	157744			0.00-	68.61	18.95	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798 (1.000)	117	705290	25.0000		80.00-	120.00	100.00	
20.798	20.798 (1.000)	82	497905			11.55-	111.55	70.60	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964 (1.078)	65	515181	30.1435	30.144	80.00-	120.00	100.00	
14.964	14.964 (1.078)	67	248193			3.71-	103.71	48.18	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227 (1.166)	98	815688	25.0299	25.030	80.00-	120.00	100.00	
18.227	18.227 (1.166)	70	117450			0.00-	62.83	14.40	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.227	18.227	(1.166)	100	575131			22.56- 122.56	70.51
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

22.789	22.789	(1.096)	174	312432	22.9024	22.902	80.00- 120.00	100.00
22.789	22.789	(1.096)	95	520735			120.73- 220.73	166.67
22.789	22.789	(1.096)	176	290913			49.66- 149.66	93.11

Report Date: 10-Oct-2007 11:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 10-OCT-2007

Lab File ID: t101005.d

Calibration Time: 08:38

Lab Smp Id: Lab Blank

Client Smp ID: Lab Blank

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m

Misc Info: Humid

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	226831	136099	317563	223399	-1.51
97 1,4-Difluorobenze	914695	548817	1280573	832214	-9.02
126 Chlorobenzene-d5	784660	470796	1098524	705290	-10.12

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 10Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	30.144	120.57	70-130
\$ 113 Toluene-d8	25.000	25.030	100.12	70-130
\$ 137 Bromofluorobenzene	25.000	22.902	91.61	70-130

Data File: /chem/msdt,i/100oct2007,b/t101005.d

Date : 10-OCT-2007 11:17

Client ID: Lab Blank

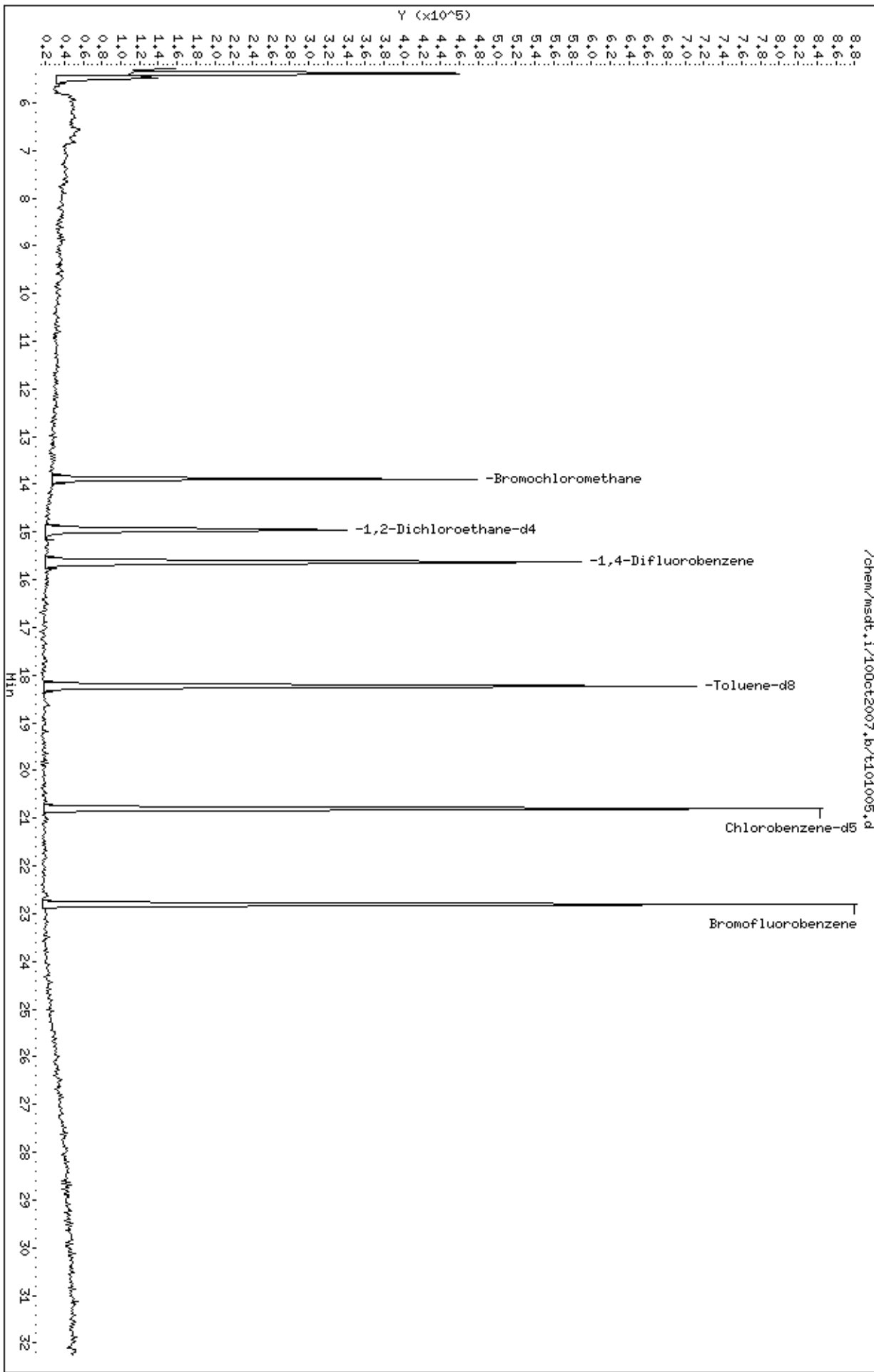
Sample Info: 200mL #31437

Column phase: RTX-624

Instrument: msdt,i

Operator: cb

Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0709637-03B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101006	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 12:42 PM

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0709637-03B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101006	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 12:42 PM

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	103	70-130

Report Date: 10-Oct-2007 13:04

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-10oct.b/7101006.d
 Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
 Inj Date : 10-OCT-2007 12:42
 Operator : cb Inst ID: msd7.i
 Smp Info : 200mL #34190
 Misc Info : Humid
 Comment :
 Method : /chem/msd7.i/7-10oct.b/t14q003b.m
 Meth Date : 10-Oct-2007 11:36 cbond Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:38 Cal File: 7100408.d
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR+ab.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====		=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.402 (1.000)	130	699807	25.0000		80.00-	120.00	100.00	
14.430	14.402 (1.000)	128	548214			27.07-	127.07	78.34	
14.402	14.402 (1.000)	49	1028377			140.67-	240.67	146.95	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172 (1.000)	114	2233605	25.0000		80.00-	120.00	100.00	
16.172	16.172 (1.000)	88	351433			0.00-	65.65	15.73	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370 (1.000)	117	1597268	25.0000		80.00-	120.00	100.00	
21.342	21.342 (1.000)	82	888052			4.37-	104.37	55.60	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508 (1.075)	65	877927	26.9222	26.922	80.00-	120.00	100.00	
15.508	15.508 (1.075)	67	447520			5.39-	105.39	50.97	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771 (1.161)	98	1871060	24.0521	24.052	80.00-	120.00	100.00	
18.771	18.771 (1.161)	70	210118			0.00-	60.57	11.23	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.771	18.771	(1.161)	100	1310958			20.85- 120.85	70.07
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.333	23.333	(1.092)	174	843888	25.7079	25.708	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	1106891			81.47- 181.47	131.17
23.333	23.333	(1.092)	176	814134			47.29- 147.29	96.47

Report Date: 10-Oct-2007 13:04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
 Lab File ID: 7101006.d
 Lab Smp Id: Lab Blank
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: cb
 Method File: /chem/msd7.i/7-10oct.b/t14q003b.m
 Misc Info: Humid

Calibration Date: 10-OCT-2007
 Calibration Time: 08:29
 Client Smp ID: Lab Blank
 Level: LOW
 Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	744887	446932	1042842	699807	-6.05
97 1,4-Difluorobenze	2396010	1437606	3354414	2233605	-6.78
126 Chlorobenzene-d5	1859190	1115514	2602866	1597268	-14.09

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.40	14.07	14.73	14.43	0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-10oct
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR+ab.sub
Method File: /chem/msd7.i/7-10oct.b/t14q003b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.922	107.69	70-130
\$ 113 Toluene-d8	25.000	24.052	96.21	70-130
\$ 137 Bromofluorobenzene	25.000	25.708	102.83	70-130

Data File: /chem/msd7.1/7-10oct.bv7101006.d

Date: 10-OCT-2007 12:42

Client ID: Lab Blank

Sample Info: 200mL #34190

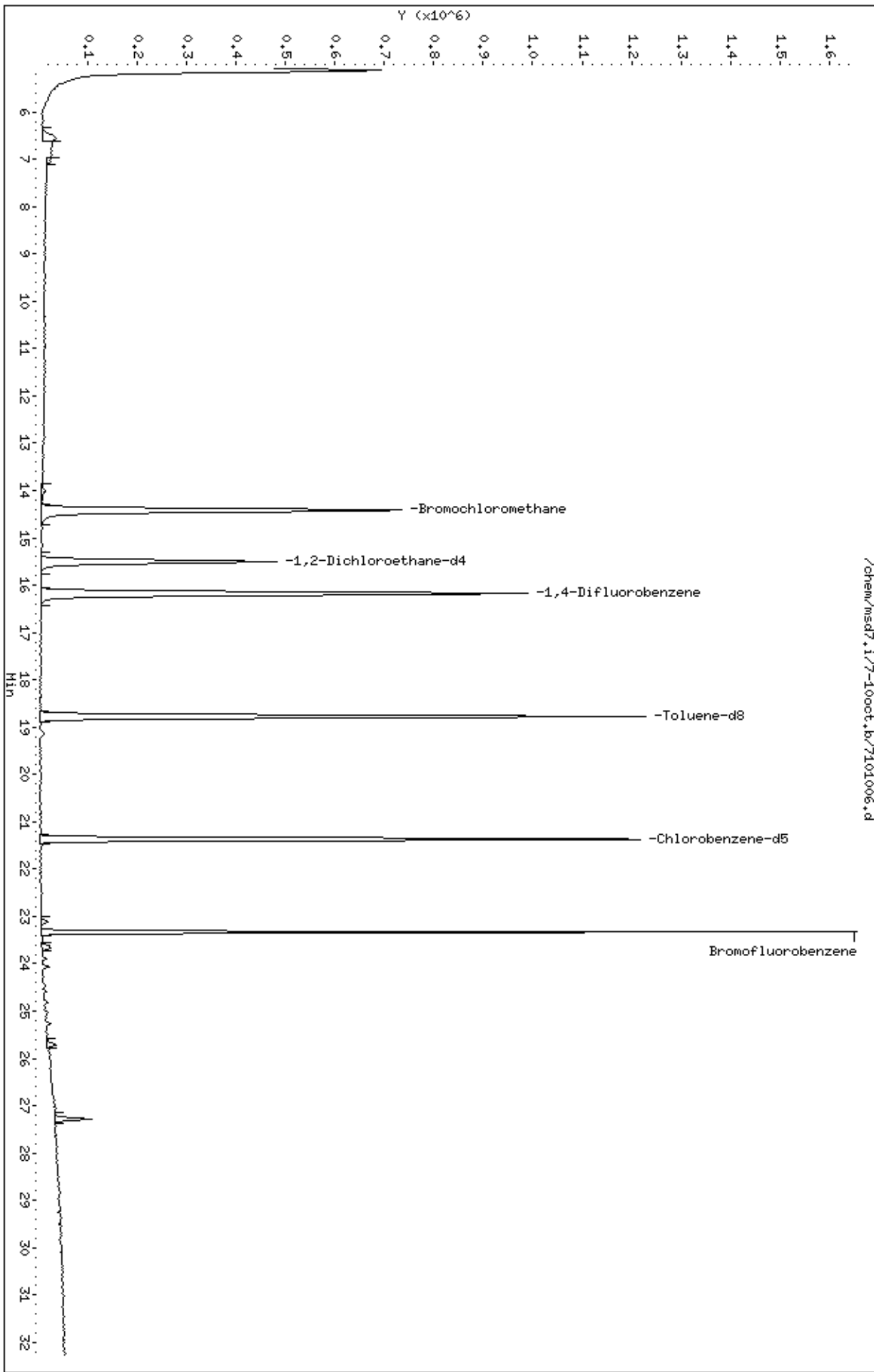
Column phase: RTX-624

Instrument: msd7.i

Operator: cb

Column diameter: 0.53

/chem/msd7.1/7-10oct.bv7101006.d



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 0709637

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY						TOTAL OUT
		1,2-Dichloroethane-d 4	#	Toluene-d8	#	4-Bromofluorobenze ne	#	
01	UW AMS 5	125		99		94		0
02	DW AMS 3	104		92		110		0
03	Lab Blank	120		100		92		0
04	Lab Blank	108		96		103		0
05	CCV	121		102		104		0
06	CCV	106		100		110		0
07	LCS	114		105		107		0
08	LCS	106		101		107		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
 Lab File ID: 7101002.d
 Instrument ID: msd7.i

SDG No: 0709637
 Date Analyzed: 10/10/2007
 Time Analyzed: 08:29 AM

	Chlorobenzene-d5			1,4-Difluorobenzene			Bromochloromethane		
	Area	#	RT	Area	#	RT	Area	#	RT
24-HOUR STD	1859190		21.37	2396010		16.17	744887		14.4
UPPER LIMIT	2602866		21.70	3354414		16.50	1042842		14.73
LOWER LIMIT	1115514		21.04	1437606		15.84	446932		14.07
CLIENT SAMPLE NO									
01 DW AMS 3	1553761		21.37	2227670		16.2	722264		14.43
02 Lab Blank	1597268		21.37	2233605		16.17	699807		14.43
03 CCV	1859190		21.37	2396010		16.17	744887		14.4
04 LCS	1798647		21.37	2340910		16.17	722781		14.43
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

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

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
 Lab File ID: t101002.d
 Instrument ID: msdt.i

SDG No: 0709637
 Date Analyzed: 10/10/2007
 Time Analyzed: 08:38 AM

	Chlorobenzene-d5			1,4-Difluorobenzene			Bromochloromethane		
	Area	#	RT	Area	#	RT	Area	#	RT
24-HOUR STD	784660		20.8	914695		15.63	226831		13.89
UPPER LIMIT	1098524		21.13	1280573		15.96	317563		14.22
LOWER LIMIT	470796		20.47	548817		15.30	136099		13.56
CLIENT SAMPLE NO									
01 UW AMS 5	676853		20.8	823029		15.63	221984		13.89
02 Lab Blank	705290		20.8	832214		15.63	223399		13.89
03 CCV	784660		20.8	914695		15.63	226831		13.89
04 LCS	786493		20.8	887907		15.63	232065		13.89
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

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

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

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-OCT-2007 12:48
 End Cal Date : 05-OCT-2007 19:30
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
13 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
11 Propylene	+++++	+++++	2.11313	1.74070	1.74209	1.65449		1.78144	10.683
15 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
12 Dichlorodifluoromethane/Fr12	+++++	4.19544	4.58212	5.05771	5.00854	4.72646		4.70383	6.685
17 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-OCT-2007 12:48
 End Cal Date : 05-OCT-2007 19:30
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
16 Freon 114	200.000 +++++	3.63181 3.51750	4.05022	6.26102	5.14515	4.04697		4.44211	23.875
18 Chloromethane	+++++	+++++	2.03258	1.99406	1.95962	1.82205		1.93204	4.718
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
20 Vinyl Chloride	+++++	1.88986 2.37134	2.20905	2.56895	2.58017	2.42507		2.34074	11.109
19 Butane	+++++	+++++	0.71028	0.89911	0.78124	0.63232		0.71631	18.415
22 1,3-Butadiene	+++++	2.38679 2.59565	2.70921	3.83097	3.59082	2.93730		3.00846	19.194
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
25 Bromomethane	+++++	1.55884 1.75448	1.71234	1.88897	1.86140	1.74738		1.75390	6.728
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
27 Chloroethane	+++++	1.22685 1.21651	1.08982	1.37738	1.30154	1.17045		1.23042	8.146

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-OCT-2007 12:48
 End Cal Date : 05-OCT-2007 19:30
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
29 Isopentane	+++++ 6.16644	+++++	5.82621	7.20074	7.11721	6.25674		6.51347	9.388
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++ 6.94754	5.98148	6.33262	8.84187	8.59169	7.32157		7.33613	15.940
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
38 Ethanol	+++++ 1.00259	+++++	1.05797	1.63305	1.52278	1.13951		1.27118	22.568

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-OCT-2007 12:48
 End Cal Date : 05-OCT-2007 19:30
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
40 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
41 Freon123	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
42 Freon 113	+++++	4.36985	5.42303	6.28897	6.03195	5.15668	4.98244	5.37549	13.105
43 1,1-Dichloroethene	+++++	2.68088	3.69458	4.49071	4.63570	4.01435	4.07509	3.93188	17.826
45 Acetone	+++++	+++++	1.41208	1.61614	1.58070	1.36948	1.36518	1.46872	8.202
46 2-Propanol	+++++	+++++	5.14449	6.76627	6.96902	6.06867	6.28745	6.24718	11.431
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
47 Carbon Disulfide	+++++	5.05163	5.74174	6.28297	6.34533	5.77403	5.86511	5.84347	7.982

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-OCT-2007 12:48
 End Cal Date : 05-OCT-2007 19:30
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
68 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
69 Vinyl Acetate	+++++	+++++	0.56306	0.58209	0.58203	0.53461		
	0.53620						0.55960	4.184
70 1,1-Dichloroethane	+++++	3.47229	4.22250	5.47638	5.40532	4.86591		
	4.84712						4.71492	16.106
71 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
77 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
75 2-Butanone	200.000 1.04912	1.03948	0.97244	1.16656	1.19686	1.05294		1.07957	7.865
76 cis-1,2-Dichloroethene	3.13582	2.35025	3.17169	3.57379	3.49219	3.16938		3.14885	13.750
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
80 Tetrahydrofuran	2.97452	1.63502	2.72956	3.41607	3.29042	3.01653		2.84369	22.506
82 Chloroform	3.74627	3.12736	2.76538	3.25425	4.18307	4.18079	3.77503	3.57602	15.166
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
83 1,1,1-Trichloroethane	4.30524	3.38509	3.37768	4.49989	4.62476	4.22265		4.06922	13.548
85 Cyclohexane	2.98148	2.39317	2.48743	3.19648	3.32270	2.99688		2.89636	13.007
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

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 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
87 Carbon Tetrachloride	200.000 3.61005	2.96589	2.77778	3.67288	3.81135	3.51408		3.39201	12.340
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
89 2,2,4-Trimethylpentane	7.91504 12.86168	11.11161	13.58966	14.15154	12.57093		12.03341	18.838	
91 Benzene	0.83244 1.31469	1.12582	1.17240	1.46538	1.43743	1.35766		1.24369	17.763
92 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
96 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
93 1,2-Dichloroethane	0.58982 0.66816	0.60689	0.71631	0.71217	0.67369		0.66117	7.970	
94 Heptane	0.47952 0.47126	0.38860	0.49362	0.50751	0.47878		0.46988	8.908	
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
98 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

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 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
101 Trichloroethene	+++++	0.45873	0.42029	0.54525	0.52877	0.50182		0.49101	9.345
102 Methyl Cyclohexane	+++++	2.09018	2.69480	3.58873	3.60192	3.27514		3.09037	19.097
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
104 1,2-Dichloropropane	+++++	0.47401	0.53655	0.59722	0.60312	0.56189		0.55307	8.523
106 1,4-Dioxane	+++++	+++++	0.24438	0.32194	0.32775	0.31491		0.30347	11.147
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
107 Bromodichloromethane	+++++	0.71911	0.67092	0.91694	0.91336	0.89035		0.83212	12.992
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

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 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
110 cis-1,3-Dichloropropene	0.71419	0.57919	0.59980	0.76177	0.75576	0.73301		0.69062	11.642
111 4-Methyl-2-pentanone	0.53546	0.41013	0.38917	0.54683	0.56578	0.53488		0.49704	15.402
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
114 Toluene	1.39165	1.16275	1.15755	1.49854	1.47715	1.43192		1.35326	11.387
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
116 trans-1,3-Dichloropropene	0.84705	0.74514	0.61008	0.89615	0.90372	0.84948		0.80860	13.915
117 1,1,2-Trichloroethane	0.55784	0.53577	0.48734	0.61952	0.60847	0.56778		0.56279	8.623
120 Tetrachloroethene	0.61014	0.57626	0.57704	0.69346	0.66677	0.62552		0.62487	7.617
121 2-Hexanone	0.81504	0.61338	0.84820	0.86881	0.80505			0.79009	12.914

Air Toxics Ltd.

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 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
119 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
122 Dibromochloromethane	+++++	0.60201	0.68853	0.89066	0.90159	0.85023		0.79776	15.406
123 1,2-Dibromoethane	+++++	0.73552	0.81781	1.00925	0.98845	0.91738		0.89644	11.582
127 Chlorobenzene	+++++	1.05236	1.11126	1.32962	1.33089	1.20634		1.20521	9.349
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
128 Ethyl Benzene	+++++	0.48521	0.59132	0.71436	0.72653	0.65255		0.63743	13.975
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
129 m,p-Xylene	+++++	0.59960	0.66542	0.88864	0.91386	0.81104		0.78521	16.005
130 o-Xylene	+++++	0.63666	0.55548	0.81832	0.81903	0.73694		0.71885	14.520

Air Toxics Ltd.

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 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
145 4-Ethyltoluene	+++++	1.14492	1.34405	1.85817	2.03227	1.80790		1.69267	21.362
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	1.17512	1.28669	1.60680	1.71729	1.54311		1.48812	14.116
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	0.96924	1.14293	1.35130	1.51991	1.33713		1.28968	15.493
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

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 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Cal Date : 06-Oct-2007 09:26 sruth
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
\$ 90 1,2-Dichloroethane-d4	1.71687	1.88940	1.87630	1.87935	1.95501	1.95040		1.91260	6.328
\$ 113 Toluene-d8	0.96335	0.95321	0.97273	0.96484	0.97401	1.01548		0.97897	2.437
\$ 137 Bromofluorobenzene	0.45519	0.42882	0.46050	0.48639	0.53426	0.48724		0.48356	8.150

Calibration History

Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
Start Cal Date: 05-OCT-2007 12:48
End Cal Date : 05-OCT-2007 19:30

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
05-OCT-2007 12:48	AFCEElow	/chem/msdt.i/05Oct2007.b/t100502.d
Cal Level: 2 , Cal Amount: 0.50000		
05-OCT-2007 19:30	AT04low+ENSR	/chem/msdt.i/05Oct2007.b/t100511.d
Cal Level: 3 , Cal Amount: 2.00000		
05-OCT-2007 14:33	AT04mdl+ENSR	/chem/msdt.i/05Oct2007.b/t100504.d
Cal Level: 4 , Cal Amount: 25.00000		
05-OCT-2007 15:11	AT04mdl+ENSR	/chem/msdt.i/05Oct2007.b/t100505.d
Cal Level: 5 , Cal Amount: 50.00000		
05-OCT-2007 15:51	AT04mdl+ENSR	/chem/msdt.i/05Oct2007.b/t100506.d
Cal Level: 6 , Cal Amount: 100.00000		
05-OCT-2007 16:32	AT04mdl+ENSR	/chem/msdt.i/05Oct2007.b/t100507.d
Cal Level: 7 , Cal Amount: 200.00000		
05-OCT-2007 17:11	AT04mdl+ENSR	/chem/msdt.i/05Oct2007.b/t100508.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5


```
| Ccal Level: 5 , Ccal Amount: 50.000 |
+=====+
|05-OCT-2007 15:51 |AT04mdl+ENSR      |/chem/msdt.i/05Oct2007.b/t100506.d |
+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |
+=====+
|05-OCT-2007 15:51 |AT04mdl+ENSR      |/chem/msdt.i/05Oct2007.b/t100506a.d |
+-----+-----+-----+
```

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	23.67
75	30.0 - 60.0% of mass 95	44.39
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.47
173	Less than 2.0% of mass 174	(0.67) ¹
174	Greater than 50.0% of mass 95	(61.46) ¹
175	5.0 - 9.0% of mass 174	(7.15) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(95.62) ¹
177	5.0 - 9.0% of mass 176	(6.53) ²

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

Verify 176/174 m/z Ratio: 1164335/115499400 = 95.021%

BFB Injection Date: 10/5/07
 BFB Injection Time: 12:17
 BFB File ID: 7700501
 Tekmar Purge Flow: 10.5ml/min
 Vacuum: 218e-005
 IIS Std #: 1443-355 Exp. Date: 1/5/08
 BCM: 243702
 1,4-DFB: 1665114
 CB-d5: 943618
 Verified CCV IS vs ICAL mid-point (-40% D) *[Signature]*

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \text{Conc. IS} \times \text{RRF} = \frac{(476449)}{(243707)} \times (250) \times (1.91260) = 25.554$

Reported Result: 25.554

File ID: 7700506
 Compound: 1,2-DHA-DF
 Initials: *[Signature]*

Use	File#	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init	Comments
✓	T100501	BFB-Tom Quat	1463-44	50mg	2ul	100	10/5/07	12:17	FO/10/07	
✓		08 10AL build	1576-26	200ppm	0.2ml			12:48	FO/10/07	+14g D85a.m
X		03		0.5ppm	0.5ml			13:22	FO/10/07	
✓		04		2.0ppm	2.0ml			14:32	FO/10/07	
✓		05		25ppm	25ml			15:11	FO/10/07	
✓		06		50ppm	50ml			15:51	FO/10/07	
✓		07		100ppm	100ml			16:32	FO/10/07	
✓		08		200ppm	200ml			17:11	FO/10/07	
X		09 System Blank	31437	Humid				17:49	DM/-	

Signature *[Signature]*

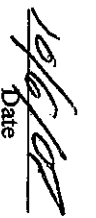
Date 10/5/07

10	X	T100510	System Blank	31427	Humid	200ml	1:10	10/5/09	1841	04/1	
11	V	11	FCAL (anal 2)	157626	0.5ppbv	0.5ml			1930	04/1/09	
12	V	12	LCS-1 (200ppbv)	1443347	50ppbv	50ml			2023	04/1/09	OUT FALLCS
13	V	13	System Blank	31427	Humid	200ml			2121	04/1/09	
14											
15											
16											
17											
18											
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21											
22											
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25											
26											
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30											
31											
32											

Comments:

me for ~~the~~ SN 200-7744, exp 27 Aug 08 Actual = 24.5 ml/min
 Flow Controller SN AA98123220 Nominal = 22.1 ml/min


 Signature


 Date

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-T on 10-05-2007. As noted on the accompanying analytical run logs, the following point calibration level 2 was re-analyzed due to:

- a. unacceptable peak resolution and/or integration of Chloroethane

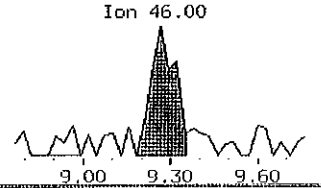
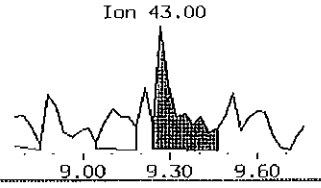
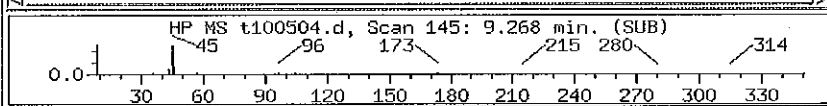
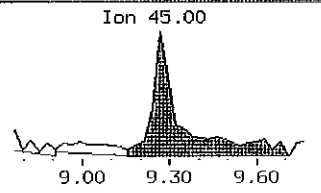
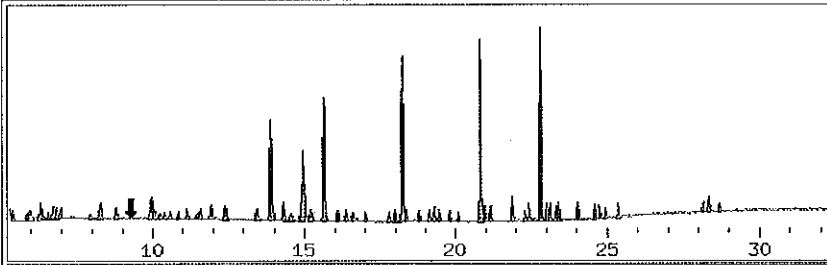
The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration:

Chloroform, Benzene, Cumene, and Styrene.

Before

Sample: ICAL Level 3 Type: CALIB_3 Inj.Date: 05-OCT-2007 14:33

- *+ 113 Toluene-d8
- *+ 137 Bromofluoroben.
- + 11 Propylene
- + 12 Dichlorodifluo
- + 16 Freon 114
- + 18 Chloromethane
- + 20 Vinyl Chloride
- + 22 1,3-Butadiene
- + 25 Bromomethane
- + 27 Chloroethane
- + 31 Trichlorofluor
- *+ 38 Ethanol**
- + 42 Freon 113
- + 43 1,1-Dichloroetl
- + 45 Acetone
- + 46 2-Propanol
- + 47 Carbon Disulfi
- + 51 3-Chloropropen
- + 54 Methylene Chlor
- + 60 MTBE
- + 61 trans-1,2-Dich.
- + 65 Hexane
- + 69 Vinyl Acetate
- + 70 1,1-Dichloroetl
- + 75 2-Butanone



t100504.d

Hit#	RT (min)	Response	Amount	Conc	Ratio	Flags	Report:
	8.798	1878			43		
	8.964	1272			29		
2	8.992	6272	0.4542	0.4542	100	a	
	9.102	3314			53		
	8.964	1272			20		
3	9.268	38117	2.760	2.760	100		

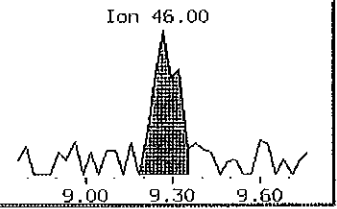
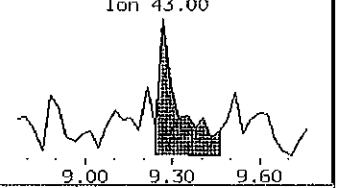
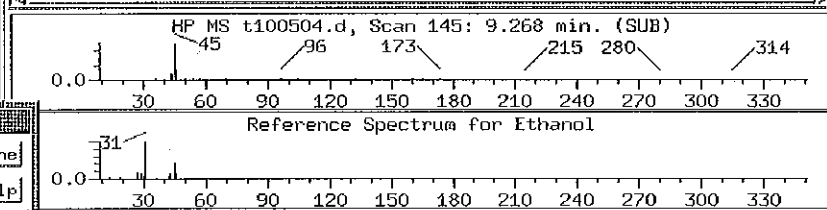
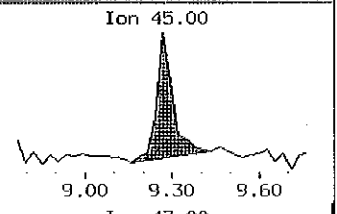
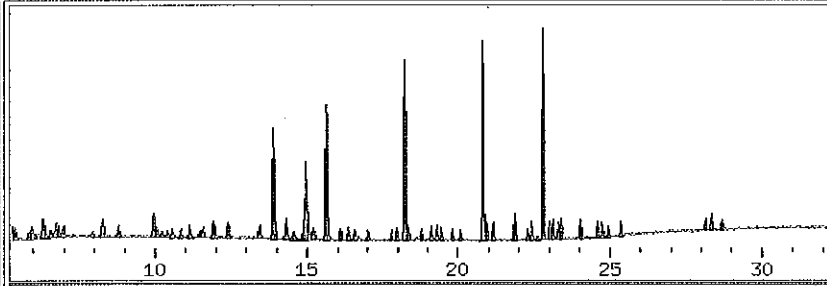
Team A

Date / Initial	10/6/07 <i>SP</i>
Poor Integration	
Split Peak	
Peak Tailing	✓
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

After

Sample: ICAL Level 3 Type: CALIB_3 Inj.Date: 05-OCT-2007 14:33

- ** 81 Bromochlorometl
- ** 97 1,4-Difluorober
- ** 126 Chlorobenzene-
- ** 90 1,2-Dichloroetl
- ** 113 Toluene-d8
- ** 137 Bromofluoroben.
- + 11 Propylene
- + 12 Dichlorodifluo
- + 16 Freon 114
- + 18 Chloromethane
- + 20 Vinyl Chloride
- + 22 1,3-Butadiene
- + 25 Bromomethane
- + 27 Chloroethane
- + 31 Trichlorofluor
- + 38 Ethanol**
- + 42 Freon 113
- + 43 1,1-Dichloroetl
- + 45 Acetone



Time: 9.268 Done

Area: 19964 Help

Height: 5843

Snap to Data

Snap to Int Marks

Overlap Peaks

Assign Baseline

Split Peak

#	RT (min)	Response	Amount	Conc	Ratio	Flags	Report:
1	9.268	19964	1.664	1.664	100	AM	
2	9.268	7798			39		
3	9.268	9632			48		

Mark Ethanol Undetected.

SPM 10/6/07

Date / Initial	10/6/07 <i>SPM</i>
Poor Integration	
Split Peak	
Peak Tailing	<input checked="" type="checkbox"/>
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

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

Report Date: 08-Oct-2007 10:40

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100512.d
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Inj Date : 05-OCT-2007 20:23
 Operator : dm Inst ID: msdt.i
 Smp Info : 50mL #1443-347
 Misc Info : 200ppbv-50ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886 (1.000)	130	267032	25.0000		80.00-	120.00	100.00	
13.886	13.886 (1.000)	128	210954			27.31-	127.31	79.00	
13.886	13.886 (1.000)	49	888732			298.50-	398.50	332.82	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.627 (1.000)	114	1077994	25.0000		80.00-	120.00	100.00	
15.628	15.627 (1.000)	88	193940			0.00-	67.89	17.99	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798 (1.000)	117	933836	25.0000		80.00-	120.00	100.00	
20.798	20.798 (1.000)	82	600310			11.55-	111.55	64.28	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964 (1.078)	65	502225	24.5839	24.584	80.00-	120.00	100.00	
14.964	14.964 (1.078)	67	281977			3.71-	103.71	56.15	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227 (1.166)	98	1057423	25.0497	25.050	80.00-	120.00	100.00	
18.227	18.227 (1.166)	70	147837			0.00-	62.83	13.98	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.227	18.227	(1.166)	100	756145			22.56- 122.56	71.51
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

22.789	22.789	(1.096)	174	466480	25.8259	25.826	80.00- 120.00	100.00
22.789	22.789	(1.096)	95	764628			110.52- 210.52	163.91
22.789	22.789	(1.096)	176	450227			45.11- 145.11	96.52

11 Propylene

CAS #: 115-07-1

5.840	5.840	(0.421)	41	919738	48.3359	48.336	80.00- 120.00	100.00
5.840	5.840	(0.421)	42	652890			18.28- 118.28	70.99
5.840	5.840	(0.421)	39	687000			23.47- 123.47	74.70

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.950	5.950	(0.429)	85	2495812	49.6749	49.675	80.00- 120.00	100.00
5.950	5.950	(0.429)	87	821996			0.00- 82.09	32.94

16 Freon 114

CAS #: 76-14-2

6.310	6.310	(0.454)	135	2484782	52.3691	52.369	80.00- 120.00	100.00
6.310	6.310	(0.454)	137	751170			0.00- 84.11	30.23

18 Chloromethane

CAS #: 74-87-3

6.559	6.558	(0.472)	50	971350	47.0692	47.069	80.00- 120.00	100.00
6.559	6.558	(0.472)	52	297476			0.00- 83.72	30.63

20 Vinyl Chloride

CAS #: 75-01-4

6.918	6.918	(0.498)	62	1266633	50.6611	50.661	80.00- 120.00	100.00
6.918	6.918	(0.498)	64	387938			0.00- 88.78	30.63

22 1,3-Butadiene

CAS #: 106-99-0

7.001	6.973	(0.504)	54	1638071	50.9760	50.976	80.00- 120.00	100.00
6.973	6.973	(0.502)	39	1504807			47.92- 147.92	91.86

25 Bromomethane

CAS #: 74-83-9

7.941	7.941	(0.572)	94	906378	48.3817	48.382	80.00- 120.00	100.00
7.941	7.941	(0.572)	96	857330			44.35- 144.35	94.59

27 Chloroethane

CAS #: 75-00-3

8.218	8.217	(0.592)	64	632537	48.1291	48.129	80.00- 120.00	100.00
8.218	8.217	(0.592)	49	202685			0.00- 79.32	32.04
8.218	8.217	(0.592)	66	187197			0.00- 83.65	29.59

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.798	8.798	(0.634)	101	4070767	51.9501	51.950	80.00- 120.00	100.00
8.798	8.798	(0.634)	103	2575515			13.74- 113.74	63.27

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	FINAL	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5			
9.241	9.268	(0.665)	45	750576	55.2795	55.280		80.00- 120.00	100.00
9.268	9.240	(0.667)	43	140016				0.00- 75.47	18.65
9.241	9.268	(0.665)	46	283932				0.00- 89.98	37.83

42 Freon 113						CAS #: 76-13-1			
9.959	9.959	(0.717)	151	3176762	55.3278	55.328		80.00- 120.00	100.00
9.959	9.959	(0.717)	153	1986330				13.42- 113.42	62.53
9.959	9.959	(0.717)	101	4492364				90.80- 190.80	141.41

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.042	10.042	(0.723)	61	2478818	59.0229	59.023		80.00- 120.00	100.00
10.070	10.070	(0.725)	96	1138557				0.00- 98.38	45.93
10.070	10.070	(0.725)	98	731618				0.00- 79.95	29.51

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	735917	46.9102	46.910		80.00- 120.00	100.00
10.208	10.208	(0.735)	43	2381839				257.67- 357.67	323.66

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	3319379	49.7450	49.745		80.00- 120.00	100.00
10.402	10.402	(0.749)	43	703347				0.00- 72.34	21.19
10.402	10.402	(0.749)	59	117661				0.00- 54.25	3.54

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	3115099	49.9089	49.909		80.00- 120.00	100.00

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	539043	48.4104	48.410		80.00- 120.00	100.00
10.844	10.844	(0.781)	41	1984634				318.47- 418.47	368.18

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	1759835	51.8659	51.866		80.00- 120.00	100.00
11.121	11.121	(0.801)	84	916673				4.45- 104.45	52.09
11.121	11.121	(0.801)	51	526105				0.00- 84.40	29.90

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	3288223	55.7847	55.785		80.00- 120.00	100.00
11.453	11.480	(0.825)	57	930982				0.00- 79.52	28.31
11.453	11.452	(0.825)	41	935718				0.00- 84.80	28.46

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	1102860	46.6329	46.633		80.00- 120.00	100.00
11.563	11.563	(0.833)	61	2072641				134.98- 234.98	187.93
11.563	11.563	(0.833)	98	682321				10.75- 110.75	61.87

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	FINAL	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
65 Hexane						CAS #:	110-54-3			
11.923	11.922	(0.859)	57	3039205	50.1718	50.172	80.00-	120.00	100.00	
11.923	11.922	(0.859)	43	1938138			15.98-	115.98	63.77	
11.923	11.922	(0.859)	86	351493			0.00-	62.69	11.57	

69 Vinyl Acetate						CAS #:	108-05-4			
12.393	12.393	(0.892)	86	293011	49.0212	49.021	80.00-	120.00	100.00	
12.365	12.365	(0.890)	43	4254423			1361.23-	1461.23	1451.97	

70 1,1-Dichloroethane						CAS #:	75-34-3			
12.393	12.393	(0.892)	63	2771579	55.0338	55.034	80.00-	120.00	100.00	
12.393	12.393	(0.892)	65	836677			0.00-	81.15	30.19	

75 2-Butanone						CAS #:	78-93-3			
13.416	13.416	(0.966)	72	571371	49.5502	49.550	80.00-	120.00	100.00	
13.416	13.416	(0.966)	43	2998378			462.58-	562.58	524.77	
13.416	13.416	(0.966)	57	235889			0.00-	92.45	41.28	

76 cis-1,2-Dichloroethene						CAS #:	156-59-2			
13.443	13.443	(0.968)	61	1776679	52.8243	52.824	80.00-	120.00	100.00	
13.443	13.443	(0.968)	96	1026340			10.19-	110.19	57.77	
13.443	13.443	(0.968)	98	651459			0.00-	87.73	36.67	

80 Tetrahydrofuran						CAS #:	109-99-9			
13.886	13.886	(1.000)	42	1619787	53.3277	53.328	80.00-	120.00	100.00	
13.886	13.886	(1.000)	71	509244			0.00-	80.74	31.44	
13.886	13.886	(1.000)	72	534860			0.00-	85.37	33.02	

82 Chloroform						CAS #:	67-66-3			
13.969	13.969	(1.006)	83	2100009	54.9791	54.979	80.00-	120.00	100.00	
13.969	13.969	(1.006)	85	1342566			13.19-	113.19	63.93	

83 1,1,1-Trichloroethane						CAS #:	71-55-6			
14.300	14.300	(1.030)	97	2273052	52.2968	52.297	80.00-	120.00	100.00	
14.300	14.300	(1.030)	99	1449670			13.39-	113.39	63.78	

85 Cyclohexane						CAS #:	110-82-7			
14.300	14.300	(1.030)	84	1589769	51.3876	51.388	80.00-	120.00	100.00	
14.300	14.300	(1.030)	56	2502140			112.15-	212.15	157.39	
14.300	14.300	(1.030)	41	1373316			37.02-	137.02	86.38	

87 Carbon Tetrachloride						CAS #:	56-23-5			
14.549	14.549	(1.048)	119	1835977	50.6742	50.674	80.00-	120.00	100.00	
14.549	14.549	(1.048)	117	1944522			54.86-	154.86	105.91	

89 2,2,4-Trimethylpentane						CAS #:	540-84-1			
14.881	14.881	(1.072)	57	6482286	50.4332	50.433	80.00-	120.00	100.00	

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.881	14.881	(1.072)	56	2184257			0.00- 82.88	33.70
14.881	14.881	(1.072)	41	1735226			0.00- 79.52	26.77

91 Benzene						CAS #: 71-43-2		
14.964	14.964	(0.958)	78	3113611	58.0599	58.060	80.00- 120.00	100.00
14.964	14.992	(0.958)	77	661353			0.00- 74.31	21.24

93 1,2-Dichloroethane						CAS #: 107-06-2		
15.102	15.102	(0.966)	62	1626785	57.0610	57.061	80.00- 120.00	100.00
15.102	15.102	(0.966)	64	500064			0.00- 82.31	30.74

94 Heptane						CAS #: 142-82-5		
15.185	15.213	(0.972)	71	1093357	53.9630	53.963	80.00- 120.00	100.00
15.185	15.185	(0.972)	43	2472284			178.63- 278.63	226.12
15.185	15.185	(0.972)	57	1256028			61.28- 161.28	114.88

101 Trichloroethene						CAS #: 79-01-6		
16.098	16.098	(1.030)	95	1130225	53.3823	53.382	80.00- 120.00	100.00
16.098	16.098	(1.030)	130	967132			34.56- 134.56	85.57
16.098	16.098	(1.030)	97	721935			13.95- 113.95	63.88

104 1,2-Dichloropropane						CAS #: 78-87-5		
16.568	16.568	(1.060)	63	1269577	53.2361	53.236	80.00- 120.00	100.00
16.568	16.568	(1.060)	62	956264			22.68- 122.68	75.32
16.568	16.568	(1.060)	41	867781			14.82- 114.82	68.35

106 1,4-Dioxane						CAS #: 123-91-1		
16.706	16.706	(1.069)	88	703273	53.7434	53.743	80.00- 120.00	100.00
16.706	16.706	(1.069)	58	613876			37.83- 137.83	87.29
16.706	16.706	(1.069)	57	213700			0.00- 80.68	30.39

107 Bromodichloromethane						CAS #: 75-27-4		
17.010	17.010	(1.088)	83	2029245	56.5554	56.555	80.00- 120.00	100.00
17.010	17.010	(1.088)	85	1297825			13.94- 113.94	63.96

110 cis-1,3-Dichloropropene						CAS #: 10061-01-5		
17.784	17.784	(1.138)	75	1667988	56.0116	56.012	80.00- 120.00	100.00
17.784	17.784	(1.138)	77	519801			0.00- 81.37	31.16
17.784	17.784	(1.138)	39	1141771			21.20- 121.20	68.45

111 4-Methyl-2-pentanone						CAS #: 108-10-1		
17.978	17.978	(1.150)	58	1207597	56.3447	56.345	80.00- 120.00	100.00
17.978	17.978	(1.150)	43	3206148			211.99- 311.99	265.50
17.978	17.978	(1.150)	85	384352			0.00- 83.31	31.83

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	FINAL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #:	108-88-3		
18.337	18.337	(1.173)	91	3232526	55.3968	55.397	80.00-	120.00	100.00
18.337	18.337	(1.173)	92	2055275			14.39-	114.39	63.58

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6		
18.780	18.780	(0.903)	75	1754601	58.0916	58.092	80.00-	120.00	100.00
18.780	18.780	(0.903)	77	540947			0.00-	80.99	30.83
18.780	18.780	(0.903)	39	1165014			17.76-	117.76	66.40

117 1,1,2-Trichloroethane						CAS #:	79-00-5		
19.111	19.111	(0.919)	97	1150032	54.7061	54.706	80.00-	120.00	100.00
19.111	19.111	(0.919)	99	706674			12.80-	112.80	61.45
19.111	19.111	(0.919)	83	1052934			40.14-	140.14	91.56

120 Tetrachloroethene						CAS #:	127-18-4		
19.277	19.277	(0.927)	166	1250743	53.5859	53.586	80.00-	120.00	100.00
19.277	19.277	(0.927)	129	957641			26.94-	126.94	76.57
19.277	19.277	(0.927)	131	969931			27.85-	127.85	77.55

121 2-Hexanone						CAS #:	591-78-6		
19.443	19.443	(0.935)	58	1651128	55.9463	55.946	80.00-	120.00	100.00
19.443	19.443	(0.935)	43	3236115			145.68-	245.68	195.99
19.443	19.443	(0.935)	100	205550			0.00-	63.81	12.45

122 Dibromochloromethane						CAS #:	124-48-1		
19.803	19.803	(0.952)	129	1698535	56.9998	57.000	80.00-	120.00	100.00
19.803	19.803	(0.952)	127	1328927			26.76-	126.76	78.24

123 1,2-Dibromoethane						CAS #:	106-93-4		
20.079	20.079	(0.965)	107	1781993	53.2178	53.218	80.00-	120.00	100.00
20.079	20.079	(0.965)	109	1660345			43.81-	143.81	93.17

127 Chlorobenzene						CAS #:	108-90-7		
20.853	20.853	(1.003)	112	2429744	53.9719	53.972	80.00-	120.00	100.00
20.853	20.853	(1.003)	114	759898			0.00-	81.67	31.27
20.853	20.853	(1.003)	77	1689714			18.02-	118.02	69.54

128 Ethyl Benzene						CAS #:	100-41-4		
20.936	20.964	(1.007)	106	1303333	54.7384	54.738	80.00-	120.00	100.00
20.936	20.936	(1.007)	91	4211607			270.03-	370.03	323.14

129 m,p-Xylene						CAS #:	108-38-3		
21.157	21.157	(1.017)	106	1599503	54.5345	54.534	80.00-	120.00	100.00
21.157	21.157	(1.017)	91	3339693			161.94-	261.94	208.80

130 o-Xylene						CAS #:	95-47-6		
21.849	21.849	(1.051)	106	1469445	54.7250	54.725	80.00-	120.00	100.00

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)								
21.849	21.849	(1.051)	91	3173648			165.30- 265.30	215.98

131 Styrene						CAS #: 100-42-5		
21.876	21.876	(1.052)	104	2410470	54.7107	54.711	80.00- 120.00	100.00
21.876	21.876	(1.052)	78	1391633			4.53- 104.53	57.73

133 Bromoform						CAS #: 75-25-2		
22.291	22.291	(1.072)	173	1463951	57.4659	57.466	80.00- 120.00	100.00
22.291	22.291	(1.072)	171	771810			2.09- 102.09	52.72

134 Cumene						CAS #: 98-82-8		
22.429	22.429	(1.078)	105	3746788	57.1941	57.194	80.00- 120.00	100.00
22.429	22.429	(1.078)	120	939947			0.00- 78.50	25.09
22.429	22.429	(1.078)	51	543949			0.00- 65.94	14.52

140 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
23.010	23.010	(1.106)	83	2401363	55.0841	55.084	80.00- 120.00	100.00
23.010	23.010	(1.106)	85	1508068			13.84- 113.84	62.80

142 Propylbenzene						CAS #: 103-65-1		
23.121	23.120	(1.112)	91	4527347	54.7044	54.704	80.00- 120.00	100.00
23.121	23.120	(1.112)	120	884211			0.00- 69.31	19.53
23.121	23.120	(1.112)	105	155233			0.00- 53.79	3.43

145 4-Ethyltoluene						CAS #: 622-96-8		
23.286	23.286	(1.120)	105	3444518	54.4787	54.479	80.00- 120.00	100.00
23.286	23.286	(1.120)	120	1004843			0.00- 78.40	29.17

147 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
23.397	23.397	(1.125)	105	2952341	53.1127	53.113	80.00- 120.00	100.00
23.397	23.397	(1.125)	120	1367339			0.00- 97.80	46.31

150 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
24.033	24.033	(1.156)	105	2512409	52.1530	52.153	80.00- 120.00	100.00
24.033	24.033	(1.156)	120	1129754			0.00- 93.56	44.97

155 1,3-Dichlorobenzene						CAS #: 541-73-1		
24.586	24.586	(1.182)	146	1665047	53.0383	53.038	80.00- 120.00	100.00
24.586	24.586	(1.182)	148	1039995			13.27- 113.27	62.46
24.586	24.586	(1.182)	111	698870			0.00- 94.36	41.97

156 1,4-Dichlorobenzene						CAS #: 106-46-7		
24.752	24.752	(1.190)	146	1627224	51.9033	51.903	80.00- 120.00	100.00
24.752	24.752	(1.190)	148	996814			12.89- 112.89	61.26
24.724	24.724	(1.189)	111	638151			0.00- 93.08	39.22

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159	alpha-Chlorotoluene					CAS #: 100-44-7			
24.945	24.945	(1.199)	91	2495190	57.4796	57.480	80.00- 120.00	100.00	
24.945	24.945	(1.199)	126	439782			0.00- 68.80	17.63	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.360	25.360	(1.219)	146	1442709	50.7598	50.760	80.00- 120.00	100.00	
25.360	25.360	(1.219)	148	914932			13.05- 113.05	63.42	
25.360	25.360	(1.219)	111	625668			0.00- 94.07	43.37	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.153	28.153	(1.354)	180	526488	42.8641	42.864	80.00- 120.00	100.00	
28.153	28.153	(1.354)	182	502681			45.06- 145.06	95.48	

166	Hexachlorobutadiene					CAS #: 87-68-3			
28.319	28.319	(1.362)	225	638695	43.2102	43.210	80.00- 120.00	100.00	
28.319	28.319	(1.362)	223	399158			11.27- 111.27	62.50	

29	Isopentane					CAS #: 78-78-4			
8.273	8.273	(0.596)	43	3357913	48.2652	48.265	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	2260416			17.93- 117.93	67.32	

19	Butane					CAS #: 106-97-8			
6.807	6.807	(0.490)	58	378889	49.5210	49.521	80.00- 120.00	100.00	
6.807	6.807	(0.490)	43	3148996			752.21- 852.21	831.11	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.374	16.374	(1.179)	83	1722148	52.1720	52.172	80.00- 120.00	100.00	
16.374	16.374	(1.179)	98	719297			0.00- 96.41	41.77	
16.346	16.374	(1.177)	55	1915867			72.17- 172.17	111.25	

167	Naphthalene					CAS #: 91-20-3			
28.678	28.678	(1.379)	128	1151744	38.7508	38.751	80.00- 120.00	100.00	
28.678	28.678	(1.379)	127	147091			0.00- 64.01	12.77	

Report Date: 08-Oct-2007 10:40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 05-OCT-2007

Lab File ID: t100512.d

Calibration Time: 15:51

Lab Smp Id: lcs-1

Client Smp ID: lcs-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	267032	9.57
97 1,4-Difluorobenze	1065114	639068	1491160	1077994	1.21
126 Chlorobenzene-d5	943018	565811	1320225	933836	-0.97

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

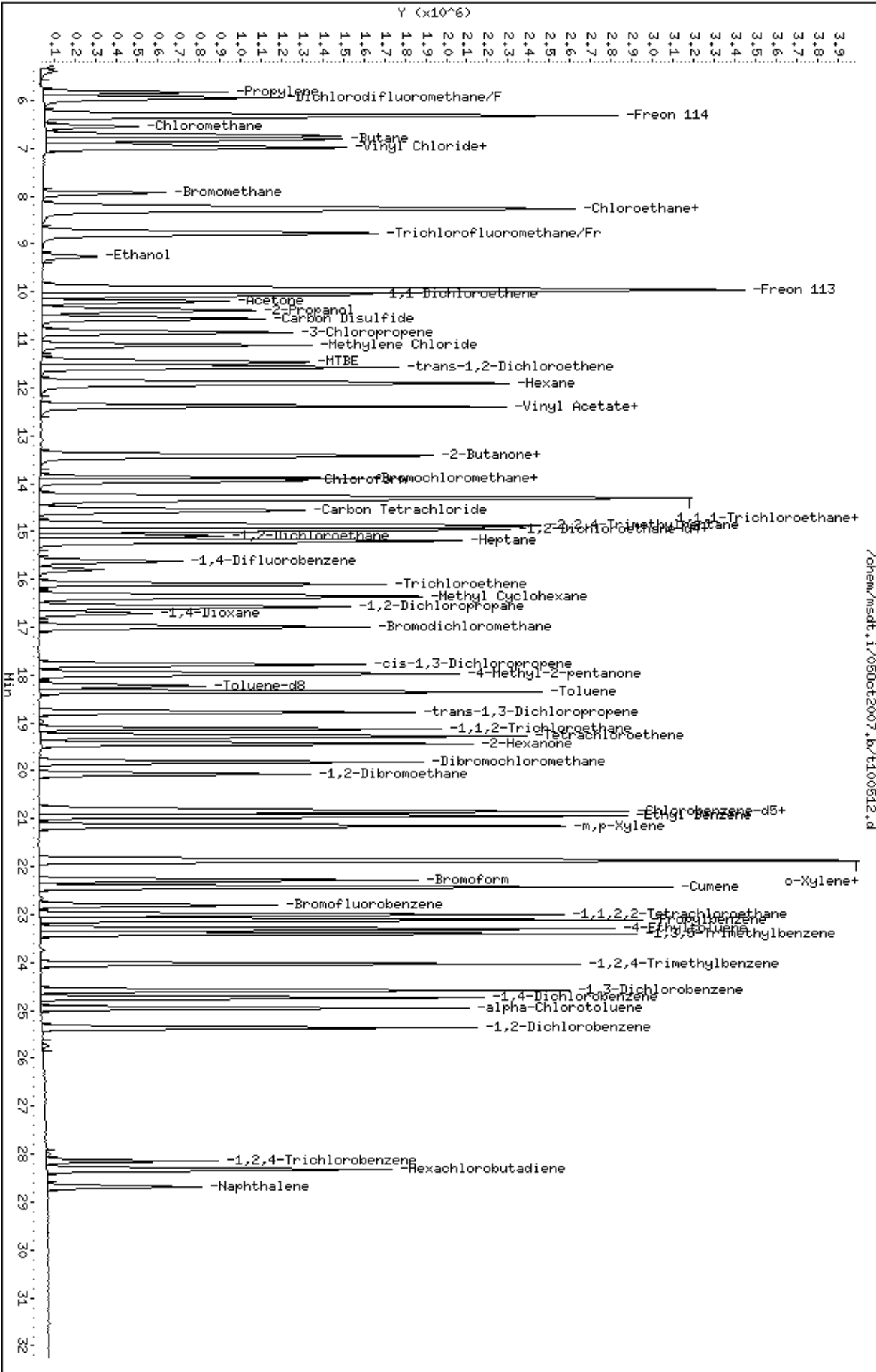
Client Name: Client SDG: 05Oct2007
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Level: LOW Operator: dm
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926Spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m
 Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	49.675	99.35	70-130
16 Freon 114	50.000	52.369	104.74	70-130
18 Chloromethane	50.000	47.069	94.14	70-130
20 Vinyl Chloride	50.000	50.661	101.32	70-130
22 1,3-Butadiene	50.000	50.976	101.95	60-140
25 Bromomethane	50.000	48.382	96.76	70-130
27 Chloroethane	50.000	48.129	96.26	70-130
31 Trichlorofluoromet	50.000	51.950	103.90	70-130
38 Ethanol	50.000	55.280	110.56	60-140
42 Freon 113	50.000	55.328	110.66	70-130
43 1,1-Dichloroethene	50.000	59.023	118.05	70-130
45 Acetone	50.000	46.910	93.82	60-140
47 Carbon Disulfide	50.000	49.909	99.82	60-140
46 2-Propanol	50.000	49.745	99.49	60-140
54 Methylene Chloride	50.000	51.866	103.73	70-130
60 MTBE	50.000	55.785	111.57	60-140
61 trans-1,2-Dichloro	50.000	46.633	93.27	60-140
65 Hexane	50.000	50.172	100.34	60-140
70 1,1-Dichloroethane	50.000	55.034	110.07	70-130
76 cis-1,2-Dichloroet	50.000	52.824	105.65	70-130
75 2-Butanone	50.000	49.550	99.10	60-140
80 Tetrahydrofuran	50.000	53.328	106.66	60-140
82 Chloroform	50.000	54.979	109.96	70-130
85 Cyclohexane	50.000	51.388	102.78	60-140
83 1,1,1-Trichloroeth	50.000	52.297	104.59	70-130
87 Carbon Tetrachlori	50.000	50.674	101.35	70-130
91 Benzene	50.000	58.060	116.12	70-130
93 1,2-Dichloroethane	50.000	57.061	114.12	70-130
94 Heptane	50.000	53.963	107.93	60-140
101 Trichloroethene	50.000	53.382	106.76	70-130
104 1,2-Dichloropropan	50.000	53.236	106.47	70-130
106 1,4-Dioxane	50.000	53.743	107.49	60-140
107 Bromodichlorometha	50.000	56.555	113.11	60-140

Report Date: 08-Oct-2007 10:40

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	56.012	112.02	70-130
111 4-Methyl-2-pentano	50.000	56.345	112.69	60-140
114 Toluene	50.000	55.397	110.79	70-130
116 trans-1,3-Dichloro	50.000	58.092	116.18	70-130
117 1,1,2-Trichloroeth	50.000	54.706	109.41	70-130
120 Tetrachloroethene	50.000	53.586	107.17	70-130
121 2-Hexanone	50.000	55.946	111.89	60-140
122 Dibromochlorometha	50.000	57.000	114.00	60-140
123 1,2-Dibromoethane	50.000	53.218	106.44	70-130
127 Chlorobenzene	50.000	53.972	107.94	70-130
128 Ethyl Benzene	50.000	54.738	109.48	70-130
129 m,p-Xylene	50.000	54.534	109.07	70-130
130 o-Xylene	50.000	54.725	109.45	70-130
131 Styrene	50.000	54.711	109.42	70-130
133 Bromoform	50.000	57.466	114.93	60-140
140 1,1,2,2-Tetrachlor	50.000	55.084	110.17	70-130
145 4-Ethyltoluene	50.000	54.479	108.96	60-140
147 1,3,5-Trimethylben	50.000	53.113	106.23	70-130
150 1,2,4-Trimethylben	50.000	52.153	104.31	70-130
155 1,3-Dichlorobenzen	50.000	53.038	106.08	70-130
156 1,4-Dichlorobenzen	50.000	51.903	103.81	70-130
159 alpha-Chlorotoluen	50.000	57.480	114.96	70-130
161 1,2-Dichlorobenzen	50.000	50.760	101.52	70-130
165 1,2,4-Trichloroben	50.000	42.864	85.73	70-130
166 Hexachlorobutadien	50.000	43.210	86.42	70-130
142 Propylbenzene	50.000	54.704	109.41	60-140
134 Cumene	50.000	57.194	114.39	60-140
51 3-Chloropropene	50.000	48.410	96.82	60-140
89 2,2,4-Trimethylpen	50.000	50.433	100.87	60-140
19 Butane	50.000	49.521	99.04	70-130
29 Isopentane	50.000	48.265	96.53	70-130
102 Methyl Cyclohexane	50.000	52.172	104.34	70-130
11 Propylene	50.000	48.336	96.67	60-140
167 Naphthalene	50.000	38.751	77.50	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.584	98.34	70-130
\$ 113 Toluene-d8	25.000	25.050	100.20	70-130
\$ 137 Bromofluorobenzene	25.000	25.826	103.30	70-130



Report Date: 08-Oct-2007 10:13

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100502.d
 Lab Smp Id: ICAL Level 1 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 12:48
 Operator : lo Inst ID: msdt.i
 Smp Info : 0.2mL #1576-26
 Misc Info : 200ppbv-0.2ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 12:48 Cal File: t100502.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									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	253369	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	196304			27.31- 127.31	77.48	
13.886	13.886	(1.000)	49	610716			298.50- 398.50	241.04	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.627	(1.000)	114	1067646	25.0000		80.00- 120.00	100.00	
15.628	15.627	(1.000)	88	185615			0.00- 67.89	17.39	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	924290	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	557420			11.55- 111.55	60.31	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	435001	25.0000	22.442	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	226373			3.71- 103.71	52.04	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1028518	25.0000	24.601	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	128225			0.00- 62.83	12.47	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

\$ 113 Toluene-d8 (continued)									
18.227	18.227	(1.166)	100	742566			22.56- 122.56	72.20	

\$ 137 Bromofluorobenzene									
						CAS #: 460-00-4			
22.789	22.789	(1.096)	174	420729	25.0000	23.534	80.00- 120.00	100.00	
22.789	22.789	(1.096)	95	664142			110.52- 210.52	157.86	
22.789	22.789	(1.096)	176	416665			45.11- 145.11	99.03	

82 Chloroform									
						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	6339	0.20000	0.1749	80.00- 120.00	100.00(a)	
13.969	13.969	(1.006)	85	3472			13.19- 113.19	54.77	

91 Benzene									
						CAS #: 71-43-2			
14.964	14.964	(0.958)	78	7110	0.20000	0.1339	80.00- 120.00	100.00(a)	
14.964	14.992	(0.958)	77	1887			0.00- 74.31	26.54	

131 Styrene									
						CAS #: 100-42-5			
21.876	21.876	(1.052)	104	7620	0.20000	0.1747	80.00- 120.00	100.00(a)	
21.876	21.876	(1.052)	78	3269			4.53- 104.53	42.90	

134 Cumene									
						CAS #: 98-82-8			
22.429	22.429	(1.078)	105	11548	0.20000	0.1781	80.00- 120.00	100.00(a)	
22.429	22.429	(1.078)	120	4680			0.00- 78.50	40.53	
22.429	22.429	(1.078)	51	2893			0.00- 65.94	25.05	

QC Flag Legend

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

Report Date: 08-Oct-2007 10:13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100502.d
 Lab Smp Id: ICAL Level 1
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: lo
 Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m
 Misc Info: 200ppbv-0.2ppbv

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	253369	3.96
97 1,4-Difluorobenze	1065114	639068	1491160	1067646	0.24
126 Chlorobenzene-d5	943018	565811	1320225	924290	-1.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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/05Oct2007,b/t100502.d

Date : 05-OCT-2007 12:48

Client ID: Calib

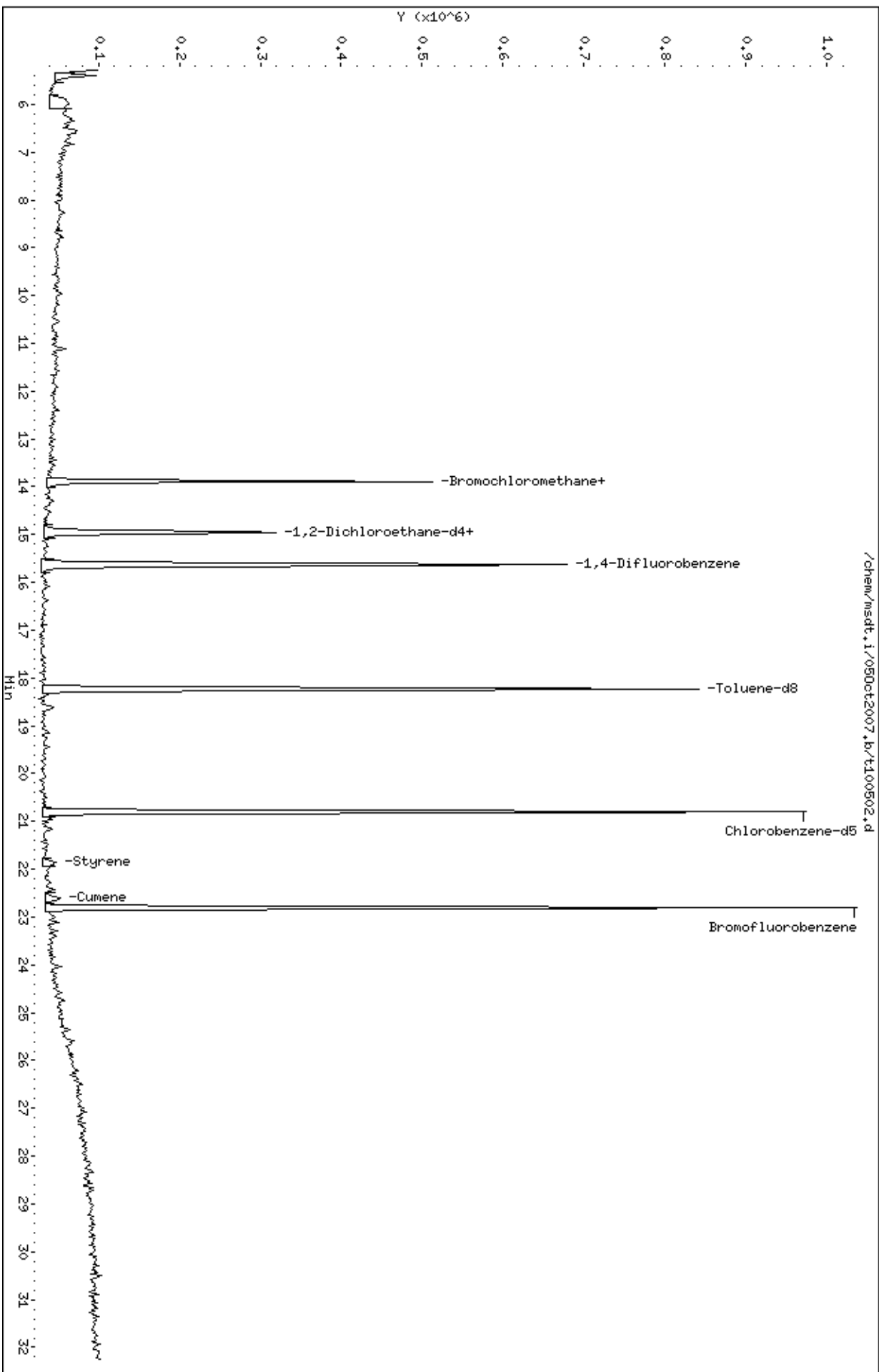
Sample Info: 0.2mL #1576-26

Column phase: RTX-624

Instrument: msdt,i

Operator: lo

Column diameter: 0.53



Report Date: 08-Oct-2007 07:05

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100511.d
 Lab Smp Id: ICAL Client Smp ID: level 2
 Inj Date : 05-OCT-2007 19:30
 Operator : dm Inst ID: msdt.i
 Smp Info : 0.5mL #1576-26
 Misc Info : 200ppbv-0.5ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	CAL-AMT		ON-COL	TARGET RANGE	RATIO	
				RESPONSE	(PPBV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	258590	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	207415			27.31- 127.31	80.21	
13.886	13.886	(1.000)	49	653958			298.50- 398.50	252.89	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.627	(1.000)	114	1053455	25.0000		80.00- 120.00	100.00	
15.628	15.627	(1.000)	88	187425			0.00- 67.89	17.79	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	889099	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	577054			11.55- 111.55	64.90	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	488580	25.0000	24.697	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	244893			3.71- 103.71	50.12	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1004169	25.0000	24.342	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	133992			0.00- 62.83	13.34	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.227	18.227	(1.166)	100	750722			22.56- 122.56	74.76		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
22.789	22.789	(1.096)	174	381264	25.0000	22.170	80.00- 120.00	100.00		
22.789	22.789	(1.096)	95	631525			110.52- 210.52	165.64		
22.789	22.789	(1.096)	176	366278			45.11- 145.11	96.07		

12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8				
5.950	5.950	(0.429)	85	21698	0.50000	0.4460	80.00- 120.00	100.00(a)		
5.950	5.950	(0.429)	87	6659			0.00- 82.09	30.69		

16 Freon 114						CAS #: 76-14-2				
6.310	6.310	(0.454)	135	18783	0.50000	0.4088	80.00- 120.00	100.00(a)		
6.310	6.310	(0.454)	137	8714			0.00- 84.11	46.39		

20 Vinyl Chloride						CAS #: 75-01-4				
6.918	6.918	(0.498)	62	9774	0.50000	0.4037	80.00- 120.00	100.00(a)		
6.946	6.918	(0.500)	64	6161			0.00- 88.78	63.03		

22 1,3-Butadiene						CAS #: 106-99-0				
7.001	6.973	(0.504)	54	12344	0.50000	0.3967	80.00- 120.00	100.00(a)		
6.973	6.973	(0.502)	39	13737			47.92- 147.92	111.28		

25 Bromomethane						CAS #: 74-83-9				
7.941	7.941	(0.572)	94	8062	0.50000	0.4444	80.00- 120.00	100.00(a)		
7.941	7.941	(0.572)	96	9590			44.35- 144.35	118.95		

27 Chloroethane						CAS #: 75-00-3				
8.218	8.217	(0.592)	64	6345	0.50000	0.4985	80.00- 120.00	100.00(a)		
8.605	8.217	(0.620)	49	1340			0.00- 79.32	21.12		
8.218	8.217	(0.592)	66	2972			0.00- 83.65	46.84		

31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4				
8.798	8.798	(0.634)	101	30935	0.50000	0.4077	80.00- 120.00	100.00(a)		
8.798	8.798	(0.634)	103	20986			13.74- 113.74	67.84		

42 Freon 113						CAS #: 76-13-1				
9.960	9.959	(0.717)	151	22600	0.50000	0.4065	80.00- 120.00	100.00(a)		
9.960	9.959	(0.717)	153	16012			13.42- 113.42	70.85		
9.932	9.959	(0.715)	101	33098			90.80- 190.80	146.45		

43 1,1-Dichloroethene						CAS #: 75-35-4				
10.043	10.042	(0.723)	61	13865	0.50000	0.3409	80.00- 120.00	100.00(a)		
10.070	10.070	(0.725)	96	10745			0.00- 98.38	77.50		
10.043	10.070	(0.723)	98	4900			0.00- 79.95	35.34		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

47	Carbon Disulfide					CAS #:	75-15-0		
10.568	10.568	(0.761)	76	26126	0.50000	0.4322	80.00-	120.00	100.00(a)

54	Methylene Chloride					CAS #:	75-09-2		
11.121	11.121	(0.801)	49	15564	0.50000	0.4737	80.00-	120.00	100.00(a)
11.121	11.121	(0.801)	84	8202			4.45-	104.45	52.70
11.121	11.121	(0.801)	51	8054			0.00-	84.40	51.75

60	MTBE					CAS #:	1634-04-4		
11.453	11.480	(0.825)	73	24126	0.50000	0.4226	80.00-	120.00	100.00(a)
11.480	11.480	(0.827)	57	10930			0.00-	79.52	45.30
11.480	11.452	(0.827)	41	14157			0.00-	84.80	58.68

61	trans-1,2-Dichloroethene					CAS #:	156-60-5		
11.563	11.563	(0.833)	96	13502	0.50000	0.5896	80.00-	120.00	100.00
11.563	11.563	(0.833)	61	16893			134.98-	234.98	125.11
11.563	11.563	(0.833)	98	6654			10.75-	110.75	49.28

65	Hexane					CAS #:	110-54-3		
11.895	11.922	(0.857)	57	23479	0.50000	0.4002	80.00-	120.00	100.00(a)
11.923	11.922	(0.859)	43	16905			15.98-	115.98	72.00
11.923	11.922	(0.859)	86	3480			0.00-	62.69	14.82

70	1,1-Dichloroethane					CAS #:	75-34-3		
12.393	12.393	(0.892)	63	17958	0.50000	0.3682	80.00-	120.00	100.00(a)
12.393	12.393	(0.892)	65	6305			0.00-	81.15	35.11

75	2-Butanone					CAS #:	78-93-3		
13.443	13.416	(0.968)	72	5376	0.50000	0.4814	80.00-	120.00	100.00(a)
13.443	13.416	(0.968)	43	18433			462.58-	562.58	342.88
13.416	13.416	(0.966)	57	2524			0.00-	92.45	46.95

76	cis-1,2-Dichloroethene					CAS #:	156-59-2		
13.443	13.443	(0.968)	61	12155	0.50000	0.3732	80.00-	120.00	100.00(a)
13.471	13.443	(0.970)	96	10123			10.19-	110.19	83.28
13.443	13.443	(0.968)	98	5177			0.00-	87.73	42.59

80	Tetrahydrofuran					CAS #:	109-99-9		
13.886	13.886	(1.000)	42	8456	0.50000	0.2875	80.00-	120.00	100.00(a)
13.886	13.886	(1.000)	71	5484			0.00-	80.74	64.85
13.886	13.886	(1.000)	72	3944			0.00-	85.37	46.64

82	Chloroform					CAS #:	67-66-3		
13.941	13.969	(1.004)	83	14302	0.50000	0.3866	80.00-	120.00	100.00(a)
13.969	13.969	(1.006)	85	10650			13.19-	113.19	74.47

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

83	1,1,1-Trichloroethane					CAS #:	71-55-6			
14.301	14.300	(1.030)	97	17507	0.50000	0.4159	80.00-	120.00	100.00(a)	
14.273	14.300	(1.028)	99	8870			13.39-	113.39	50.67	

85	Cyclohexane					CAS #:	110-82-7			
14.301	14.300	(1.030)	84	12377	0.50000	0.4131	80.00-	120.00	100.00(a)	
14.301	14.300	(1.030)	56	20608			112.15-	212.15	166.50	
14.301	14.300	(1.030)	41	12513			37.02-	137.02	101.10	

87	Carbon Tetrachloride					CAS #:	56-23-5			
14.577	14.549	(1.050)	119	15339	0.50000	0.4372	80.00-	120.00	100.00(a)	
14.549	14.549	(1.048)	117	14616			54.86-	154.86	95.29	

91	Benzene					CAS #:	71-43-2			
14.964	14.964	(0.958)	78	23720	0.50000	0.4526	80.00-	120.00	100.00(a)	
14.992	14.992	(0.959)	77	7566			0.00-	74.31	31.90	

89	2,2,4-Trimethylpentane					CAS #:	540-84-1			
14.881	14.881	(1.072)	57	40935	0.50000	0.3289	80.00-	120.00	100.00(a)	
14.881	14.881	(1.072)	56	12387			0.00-	82.88	30.26	
14.909	14.881	(1.074)	41	15884			0.00-	79.52	38.80	

93	1,2-Dichloroethane					CAS #:	107-06-2			
15.075	15.102	(0.965)	62	12427	0.50000	0.4460	80.00-	120.00	100.00(a)	
15.102	15.102	(0.966)	64	4099			0.00-	82.31	32.98	

94	Heptane					CAS #:	142-82-5			
15.213	15.213	(0.973)	71	10103	0.50000	0.5102	80.00-	120.00	100.00	
15.213	15.185	(0.973)	43	20563			178.63-	278.63	203.53	
15.185	15.185	(0.972)	57	8781			61.28-	161.28	86.91	

101	Trichloroethene					CAS #:	79-01-6			
16.098	16.098	(1.030)	95	9665	0.50000	0.4671	80.00-	120.00	100.00(a)	
16.098	16.098	(1.030)	130	6737			34.56-	134.56	69.71	
16.098	16.098	(1.030)	97	7364			13.95-	113.95	76.19	

104	1,2-Dichloropropane					CAS #:	78-87-5			
16.568	16.568	(1.060)	63	9987	0.50000	0.4285	80.00-	120.00	100.00(a)	
16.568	16.568	(1.060)	62	7073			22.68-	122.68	70.82	
16.568	16.568	(1.060)	41	7420			14.82-	114.82	74.30	

107	Bromodichloromethane					CAS #:	75-27-4			
17.010	17.010	(1.088)	83	15151	0.50000	0.4321	80.00-	120.00	100.00(a)	
17.010	17.010	(1.088)	85	9927			13.94-	113.94	65.52	

110	cis-1,3-Dichloropropene					CAS #:	10061-01-5			
17.784	17.784	(1.138)	75	12203	0.50000	0.4193	80.00-	120.00	100.00(a)	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
110 cis-1,3-Dichloropropene (continued)									
17.784	17.784	(1.138)	77	5713			0.00- 81.37	46.82	
17.784	17.784	(1.138)	39	10755			21.20- 121.20	88.13	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	8641	0.50000	0.4126	80.00- 120.00	100.00(a)	
17.978	17.978	(1.150)	43	20151			211.99- 311.99	233.20	
17.978	17.978	(1.150)	85	2864			0.00- 83.31	33.14	

114 Toluene CAS #: 108-88-3									
18.337	18.337	(1.173)	91	24498	0.50000	0.4296	80.00- 120.00	100.00(a)	
18.337	18.337	(1.173)	92	15340			14.39- 114.39	62.62	

116 trans-1,3-Dichloropropene CAS #: 10061-02-6									
18.780	18.780	(0.903)	75	13250	0.50000	0.4608	80.00- 120.00	100.00(a)	
18.780	18.780	(0.903)	77	4591			0.00- 80.99	34.65	
18.780	18.780	(0.903)	39	8898			17.76- 117.76	67.15	

117 1,1,2-Trichloroethane CAS #: 79-00-5									
19.112	19.111	(0.919)	97	9527	0.50000	0.4760	80.00- 120.00	100.00(a)	
19.112	19.111	(0.919)	99	5892			12.80- 112.80	61.85	
19.112	19.111	(0.919)	83	7599			40.14- 140.14	79.76	

120 Tetrachloroethene CAS #: 127-18-4									
19.277	19.277	(0.927)	166	10247	0.50000	0.4611	80.00- 120.00	100.00(a)	
19.305	19.277	(0.928)	129	8791			26.94- 126.94	85.79	
19.277	19.277	(0.927)	131	8339			27.85- 127.85	81.38	

122 Dibromochloromethane CAS #: 124-48-1									
19.803	19.803	(0.952)	129	10705	0.50000	0.3773	80.00- 120.00	100.00(a)	
19.803	19.803	(0.952)	127	7855			26.76- 126.76	73.38	

123 1,2-Dibromoethane CAS #: 106-93-4									
20.079	20.079	(0.965)	107	13079	0.50000	0.4102	80.00- 120.00	100.00(a)	
20.079	20.079	(0.965)	109	13540			43.81- 143.81	103.52	

127 Chlorobenzene CAS #: 108-90-7									
20.853	20.853	(1.003)	112	18713	0.50000	0.4366	80.00- 120.00	100.00(a)	
20.853	20.853	(1.003)	114	7730			0.00- 81.67	41.31	
20.853	20.853	(1.003)	77	20540			18.02- 118.02	109.76	

128 Ethyl Benzene CAS #: 100-41-4									
20.936	20.964	(1.007)	106	8628	0.50000	0.3806	80.00- 120.00	100.00(a)	
20.936	20.936	(1.007)	91	28722			270.03- 370.03	332.89	

129 m,p-Xylene CAS #: 108-38-3									
21.158	21.157	(1.017)	106	10662	0.50000	0.3818	80.00- 120.00	100.00(a)	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
129 m,p-Xylene (continued)									
21.130	21.157	(1.016)	91	24773			161.94- 261.94	232.35	

130 o-Xylene CAS #: 95-47-6									
21.849	21.849	(1.051)	106	11321	0.50000	0.4428	80.00- 120.00	100.00(a)	
21.849	21.849	(1.051)	91	18511			165.30- 265.30	163.51	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	17164	0.50000	0.4092	80.00- 120.00	100.00(a)	
21.876	21.876	(1.052)	78	9479			4.53- 104.53	55.23	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	7515	0.50000	0.3098	80.00- 120.00	100.00(a)	
22.291	22.291	(1.072)	171	4485			2.09- 102.09	59.68	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	26452	0.50000	0.4241	80.00- 120.00	100.00(a)	
22.429	22.429	(1.078)	120	8139			0.00- 78.50	30.77	
22.429	22.429	(1.078)	51	3614			0.00- 65.94	13.66	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	17064	0.50000	0.4111	80.00- 120.00	100.00(a)	
23.010	23.010	(1.106)	85	10423			13.84- 113.84	61.08	

142 Propylbenzene CAS #: 103-65-1									
23.121	23.120	(1.112)	91	30978	0.50000	0.3931	80.00- 120.00	100.00(a)	
23.121	23.120	(1.112)	120	5403			0.00- 69.31	17.44	
23.121	23.120	(1.112)	105	1511			0.00- 53.79	4.88	

145 4-Ethyltoluene CAS #: 622-96-8									
23.287	23.286	(1.120)	105	20359	0.50000	0.3382	80.00- 120.00	100.00(a)	
23.287	23.286	(1.120)	120	5378			0.00- 78.40	26.42	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	20896	0.50000	0.3948	80.00- 120.00	100.00(a)	
23.397	23.397	(1.125)	120	11375			0.00- 97.80	54.44	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	17235	0.50000	0.3758	80.00- 120.00	100.00(a)	
24.033	24.033	(1.156)	120	8009			0.00- 93.56	46.47	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	11642	0.50000	0.3895	80.00- 120.00	100.00(a)	
24.586	24.586	(1.182)	148	7926			13.27- 113.27	68.08	
24.586	24.586	(1.182)	111	6019			0.00- 94.36	51.70	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

156 1,4-Dichlorobenzene			CAS #: 106-46-7						
24.724	24.752	(1.189)	146	11301	0.50000	0.3786	80.00- 120.00	100.00(a)	
24.752	24.752	(1.190)	148	7865			12.89- 112.89	69.60	
24.724	24.724	(1.189)	111	5864			0.00- 93.08	51.89	

159 alpha-Chlorotoluene			CAS #: 100-44-7						
24.946	24.945	(1.199)	91	12517	0.50000	0.3028	80.00- 120.00	100.00(a)	
24.946	24.945	(1.199)	126	2916			0.00- 68.80	23.30	

161 1,2-Dichlorobenzene			CAS #: 95-50-1						
25.360	25.360	(1.219)	146	10340	0.50000	0.3821	80.00- 120.00	100.00(a)	
25.360	25.360	(1.219)	148	8601			13.05- 113.05	83.18	
25.360	25.360	(1.219)	111	6627			0.00- 94.07	64.09	

102 Methyl Cyclohexane			CAS #: 108-87-2						
16.347	16.374	(1.177)	83	10810	0.50000	0.3382	80.00- 120.00	100.00(a)	
16.374	16.374	(1.179)	98	6232			0.00- 96.41	57.65	
16.347	16.374	(1.177)	55	16668			72.17- 172.17	154.19	

QC Flag Legend

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

Report Date: 08-Oct-2007 07:05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 05-OCT-2007

Lab File ID: t100511.d

Calibration Time: 15:51

Lab Smp Id: ICAL

Client Smp ID: level 2

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-0.5ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	258590	6.11
97 1,4-Difluorobenze	1065114	639068	1491160	1053455	-1.09
126 Chlorobenzene-d5	943018	565811	1320225	889099	-5.72

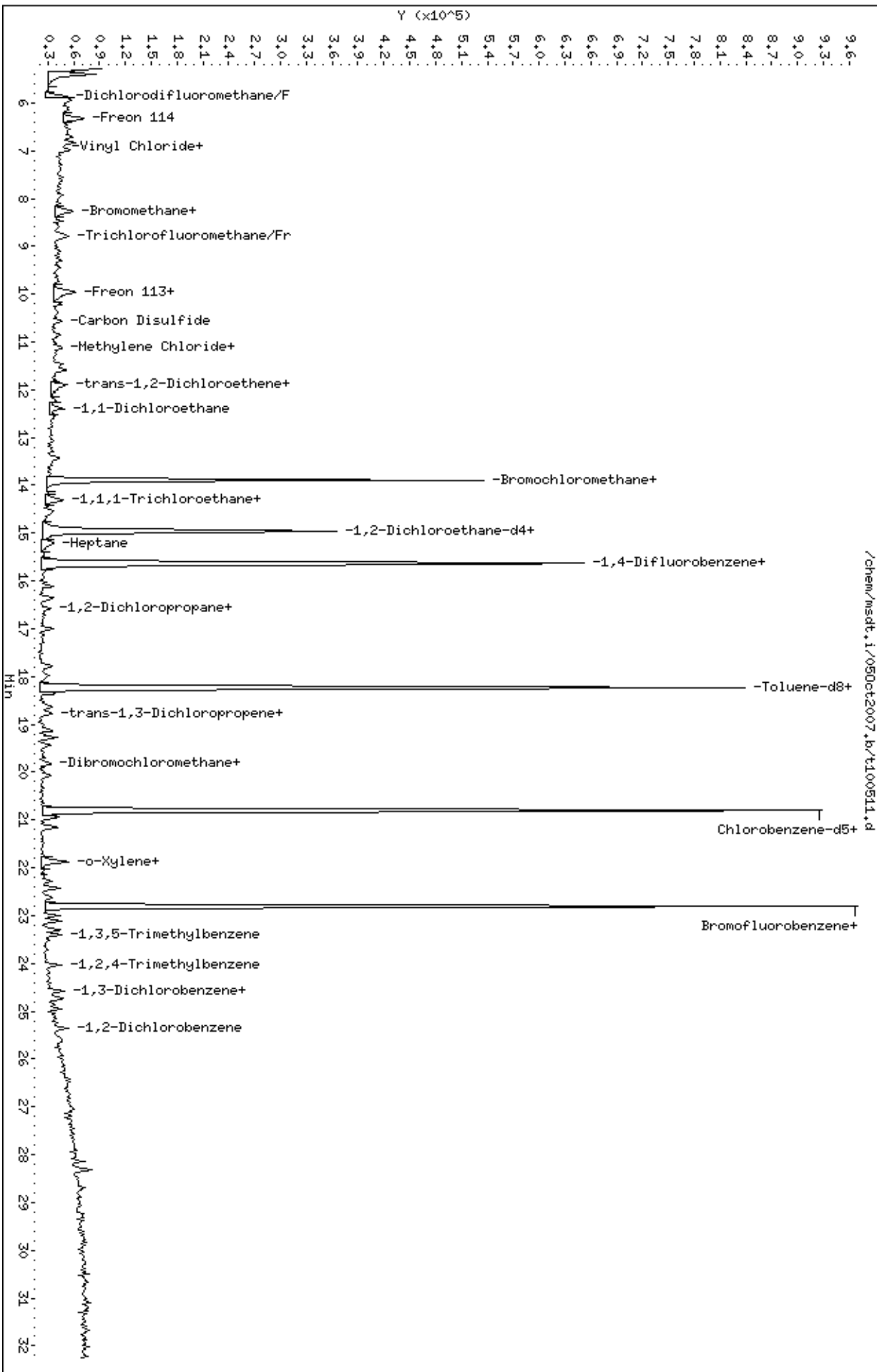
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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: 06-Oct-2007 09:25

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100504.d
 Lab Smp Id: ICAL Level 3 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 14:33
 Operator : lo Inst ID: msdt.i
 Smp Info : 2.0mL #1576-26
 Misc Info : 200ppbv-2.0ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:25 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 14:33 Cal File: t100504.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	CAL-AMT		ON-COL	TARGET RANGE	RATIO	
				RESPONSE	(PPBV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	235876	25.0000		50.00- 150.00	100.00	
13.886	13.886	(1.000)	128	190320			29.56- 129.56	80.69	
13.886	13.886	(1.000)	49	605880			255.39- 355.39	256.86	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.628	(1.000)	114	1053651	25.0000		50.00- 150.00	100.00	
15.628	15.628	(1.000)	88	186749			0.00- 67.65	17.72	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	922221	25.0000		50.00- 150.00	100.00	
20.798	20.798	(1.000)	82	563290			11.55- 111.55	61.08	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	442573	25.0000	24.525	50.00- 150.00	100.00	
14.964	14.964	(1.078)	67	223790			3.71- 103.71	50.57	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1024921	25.0000	24.841	50.00- 150.00	100.00	
18.227	18.227	(1.166)	70	133380			0.00- 62.83	13.01	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.227	18.227	(1.166)	100	748165			22.56- 122.56	73.00		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
22.789	22.789	(1.096)	174	424679	25.0000	23.808	50.00- 150.00	100.00		
22.789	22.789	(1.096)	95	667654			111.16- 211.16	157.21		
22.789	22.789	(1.096)	176	413854			47.89- 147.89	97.45		

11 Propylene										
						CAS #: 115-07-1				
5.840	5.840	(0.421)	41	39875	2.00000	2.372	50.00- 150.00	100.00		
5.840	5.840	(0.421)	42	23486			18.28- 118.28	58.90		
5.840	5.840	(0.421)	39	26927			23.47- 123.47	67.53		

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.950	5.950	(0.429)	85	86465	2.00000	1.948	50.00- 150.00	100.00		
5.950	5.950	(0.429)	87	29511			0.00- 82.09	34.13		

16 Freon 114										
						CAS #: 76-14-2				
6.338	6.338	(0.456)	135	76428	2.00000	1.824	50.00- 150.00	100.00		
6.338	6.338	(0.456)	137	21298			0.00- 84.11	27.87		

18 Chloromethane										
						CAS #: 74-87-3				
6.559	6.559	(0.472)	50	38355	2.00000	2.104	50.00- 150.00	100.00		
6.559	6.559	(0.472)	52	15281			0.00- 83.72	39.84		

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.918	6.918	(0.498)	62	41685	2.00000	1.887	50.00- 150.00	100.00		
6.918	6.918	(0.498)	64	15631			0.00- 88.78	37.50		

22 1,3-Butadiene										
						CAS #: 106-99-0				
7.001	7.001	(0.504)	54	51123	2.00000	1.801	50.00- 150.00	100.00		
7.001	7.001	(0.504)	39	52515			47.92- 147.92	102.72		

25 Bromomethane										
						CAS #: 74-83-9				
7.941	7.941	(0.572)	94	32312	2.00000	1.953	50.00- 150.00	100.00		
7.941	7.941	(0.572)	96	32839			49.96- 149.96	101.63		

27 Chloroethane										
						CAS #: 75-00-3				
8.218	8.218	(0.592)	64	20565	2.00000	1.771	50.00- 150.00	100.00		
8.218	8.218	(0.592)	49	6233			0.00- 79.32	30.31		
8.190	8.190	(0.590)	66	7400			0.00- 83.65	35.98		

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
8.798	8.798	(0.634)	101	119497	2.00000	1.726	50.00- 150.00	100.00		
8.798	8.798	(0.634)	103	82565			15.60- 115.60	69.09		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	19964	2.00000	1.664	50.00- 150.00	100.00(aM)	
9.268	9.268	(0.667)	43	7798			0.00- 75.47	39.06	
9.268	9.268	(0.667)	46	9632			0.00- 89.98	48.25	

42 Freon 113						CAS #: 76-13-1			
9.960	9.960	(0.717)	151	102333	2.00000	2.018	50.00- 150.00	100.00	
9.960	9.960	(0.717)	153	60269			14.04- 114.04	58.89	
9.960	9.960	(0.717)	101	129799			89.20- 189.20	126.84	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.070	10.070	(0.725)	61	69717	2.00000	1.879	50.00- 150.00	100.00	
10.070	10.070	(0.725)	96	36348			4.98- 104.98	52.14	
10.070	10.070	(0.725)	98	22701			0.00- 82.12	32.56	

45 Acetone						CAS #: 67-64-1			
10.236	10.236	(0.737)	58	26646	2.00000	1.923	50.00- 150.00	100.00(a)	
10.208	10.208	(0.735)	43	77860			257.67- 357.67	292.20	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	97077	2.00000	1.647	50.00- 150.00	100.00(a)	
10.402	10.402	(0.749)	43	24661			0.00- 72.34	25.40	
10.402	10.402	(0.749)	59	5934			0.00- 54.25	6.11	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	108347	2.00000	1.965	50.00- 150.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	16568	2.00000	1.684	50.00- 150.00	100.00	
10.844	10.844	(0.781)	41	66241			318.47- 418.47	399.81	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	65432	2.00000	2.183	50.00- 150.00	100.00	
11.121	11.121	(0.801)	84	35834			4.46- 104.46	54.77	
11.121	11.121	(0.801)	51	18625			0.00- 84.40	28.46	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	71956	2.00000	1.382	50.00- 150.00	100.00	
11.480	11.480	(0.827)	57	21701			0.00- 82.41	30.16	
11.453	11.453	(0.825)	41	22143			0.00- 84.80	30.77	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	36665	2.00000	1.755	50.00- 150.00	100.00	
11.563	11.563	(0.833)	61	64147			120.79- 220.79	174.95	
11.563	11.563	(0.833)	98	23592			10.75- 110.75	64.34	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
65 Hexane						CAS #:	110-54-3			
11.923	11.923	(0.859)	57	97695	2.00000	1.826	50.00- 150.00	100.00		
11.923	11.923	(0.859)	43	63383			15.98- 115.98	64.88		
11.923	11.923	(0.859)	86	13149			0.00- 62.69	13.46		

69 Vinyl Acetate						CAS #:	108-05-4			
12.393	12.393	(0.892)	86	10625	2.00000	2.012	50.00- 150.00	100.00		
12.393	12.393	(0.892)	43	126102			1361.23-1461.23	1186.84		

70 1,1-Dichloroethane						CAS #:	75-34-3			
12.393	12.393	(0.892)	63	79679	2.00000	1.791	50.00- 150.00	100.00		
12.393	12.393	(0.892)	65	27498			0.00- 82.36	34.51		

75 2-Butanone						CAS #:	78-93-3			
13.416	13.416	(0.966)	72	18350	2.00000	1.802	50.00- 150.00	100.00		
13.416	13.416	(0.966)	43	92172			433.80- 533.80	502.30		
13.416	13.416	(0.966)	57	8295			0.00- 92.45	45.20		

76 cis-1,2-Dichloroethene						CAS #:	156-59-2			
13.443	13.443	(0.968)	61	59850	2.00000	2.014	50.00- 150.00	100.00		
13.443	13.443	(0.968)	96	36136			14.93- 114.93	60.38		
13.443	13.443	(0.968)	98	20226			0.00- 87.77	33.79		

80 Tetrahydrofuran						CAS #:	109-99-9			
13.886	13.886	(1.000)	42	51507	2.00000	1.920	50.00- 150.00	100.00		
13.886	13.886	(1.000)	71	17064			0.00- 87.75	33.13		
13.886	13.886	(1.000)	72	15789			0.00- 85.37	30.65		

82 Chloroform						CAS #:	67-66-3			
13.969	13.969	(1.006)	83	61408	2.00000	1.820	50.00- 150.00	100.00		
13.969	13.969	(1.006)	85	41269			14.73- 114.73	67.20		

83 1,1,1-Trichloroethane						CAS #:	71-55-6			
14.301	14.301	(1.030)	97	63737	2.00000	1.660	50.00- 150.00	100.00		
14.301	14.301	(1.030)	99	43933			12.26- 112.26	68.93		

85 Cyclohexane						CAS #:	110-82-7			
14.328	14.328	(1.032)	84	46938	2.00000	1.718	50.00- 150.00	100.00		
14.301	14.301	(1.030)	56	81397			116.20- 216.20	173.41		
14.301	14.301	(1.030)	41	47925			43.41- 143.41	102.10		

87 Carbon Tetrachloride						CAS #:	56-23-5			
14.549	14.549	(1.048)	119	52417	2.00000	1.638	50.00- 150.00	100.00		
14.549	14.549	(1.048)	117	59050			54.74- 154.74	112.65		

91 Benzene						CAS #:	71-43-2			
14.992	14.992	(0.959)	78	98824	2.00000	1.885	50.00- 150.00	100.00		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
14.964	14.964	(0.958)	77	22285			0.00- 74.31	22.55	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
14.909	14.909	(1.074)	57	209677	2.00000	1.847	50.00- 150.00	100.00	
14.909	14.909	(1.074)	56	66701			0.00- 82.88	31.81	
14.881	14.881	(1.072)	41	60661			0.00- 79.52	28.93	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	51156	2.00000	1.836	50.00- 150.00	100.00	
15.102	15.102	(0.966)	64	18068			0.00- 82.31	35.32	

94 Heptane CAS #: 142-82-5									
15.213	15.213	(0.973)	71	32756	2.00000	1.654	50.00- 150.00	100.00	
15.213	15.213	(0.973)	43	77191			178.63- 278.63	235.65	
15.213	15.213	(0.973)	57	35966			61.28- 161.28	109.80	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	35427	2.00000	1.712	50.00- 150.00	100.00	
16.098	16.098	(1.030)	130	31817			32.83- 132.83	89.81	
16.098	16.098	(1.030)	97	25050			17.84- 117.84	70.71	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.595	16.595	(1.062)	63	45227	2.00000	1.940	50.00- 150.00	100.00	
16.568	16.568	(1.060)	62	33904			23.85- 123.85	74.96	
16.568	16.568	(1.060)	41	24810			15.65- 115.65	54.86	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	20599	2.00000	1.610	50.00- 150.00	100.00(a)	
16.706	16.706	(1.069)	58	18267			38.66- 138.66	88.68	
16.734	16.734	(1.071)	57	6538			0.00- 80.68	31.74	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	56553	2.00000	1.612	50.00- 150.00	100.00	
17.010	17.010	(1.088)	85	39449			15.05- 115.05	69.76	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.812	17.812	(1.140)	75	50558	2.00000	1.737	50.00- 150.00	100.00	
17.784	17.784	(1.138)	77	18896			0.00- 85.42	37.37	
17.784	17.784	(1.138)	39	40146			25.80- 125.80	79.41	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	32804	2.00000	1.566	50.00- 150.00	100.00	
17.978	17.978	(1.150)	43	86285			211.99- 311.99	263.03	
17.978	17.978	(1.150)	85	11552			0.00- 83.31	35.22	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
114 Toluene						CAS #:	108-88-3			
18.337	18.337	(1.173)	91	97572	2.00000	1.711	50.00-	150.00	100.00	
18.337	18.337	(1.173)	92	65173			13.88-	113.88	66.79	

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6			
18.780	18.780	(0.903)	75	45010	2.00000	1.509	50.00-	150.00	100.00	
18.780	18.780	(0.903)	77	15697			0.00-	82.58	34.87	
18.780	18.780	(0.903)	39	34325			19.22-	119.22	76.26	

117 1,1,2-Trichloroethane						CAS #:	79-00-5			
19.112	19.112	(0.919)	97	35955	2.00000	1.732	50.00-	150.00	100.00	
19.112	19.112	(0.919)	99	22817			12.28-	112.28	63.46	
19.112	19.112	(0.919)	83	33571			38.29-	138.29	93.37	

120 Tetrachloroethene						CAS #:	127-18-4			
19.305	19.305	(0.928)	166	42573	2.00000	1.847	50.00-	150.00	100.00	
19.277	19.277	(0.927)	129	31698			28.08-	128.08	74.46	
19.277	19.277	(0.927)	131	31922			27.36-	127.36	74.98	

121 2-Hexanone						CAS #:	591-78-6			
19.443	19.443	(0.935)	58	45254	2.00000	1.553	50.00-	150.00	100.00(a)	
19.443	19.443	(0.935)	43	83094			143.56-	243.56	183.62	
19.443	19.443	(0.935)	100	7047			0.00-	63.81	15.57	

122 Dibromochloromethane						CAS #:	124-48-1			
19.803	19.803	(0.952)	129	50798	2.00000	1.726	50.00-	150.00	100.00	
19.803	19.803	(0.952)	127	38609			26.76-	126.76	76.00	

123 1,2-Dibromoethane						CAS #:	106-93-4			
20.079	20.079	(0.965)	107	60336	2.00000	1.824	50.00-	150.00	100.00	
20.079	20.079	(0.965)	109	48278			42.92-	142.92	80.02	

127 Chlorobenzene						CAS #:	108-90-7			
20.853	20.853	(1.003)	112	81986	2.00000	1.844	50.00-	150.00	100.00	
20.853	20.853	(1.003)	114	23942			0.00-	83.21	29.20	
20.853	20.853	(1.003)	77	62371			27.87-	127.87	76.08	

128 Ethyl Benzene						CAS #:	100-41-4			
20.964	20.964	(1.008)	106	43626	2.00000	1.855	50.00-	150.00	100.00	
20.936	20.936	(1.007)	91	127978			270.03-	370.03	293.35	

129 m,p-Xylene						CAS #:	108-38-3			
21.158	21.158	(1.017)	106	49093	2.00000	1.695	50.00-	150.00	100.00	
21.158	21.158	(1.017)	91	101963			161.94-	261.94	207.69	

130 o-Xylene						CAS #:	95-47-6			
21.849	21.849	(1.051)	106	40982	2.00000	1.545	50.00-	150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	98480			159.52- 259.52	240.30	

131 Styrene									
21.876	21.876	(1.052)	104	73911	2.00000	1.699	50.00- 150.00	100.00	
21.876	21.876	(1.052)	78	39757			2.79- 102.79	53.79	

133 Bromoform									
22.291	22.291	(1.072)	173	39273	2.00000	1.561	50.00- 150.00	100.00	
22.291	22.291	(1.072)	171	20329			3.36- 103.36	51.76	

134 Cumene									
22.429	22.429	(1.078)	105	109711	2.00000	1.696	50.00- 150.00	100.00	
22.429	22.429	(1.078)	120	26306			0.00- 78.50	23.98	
22.429	22.429	(1.078)	51	16037			0.00- 65.94	14.62	

140 1,1,2,2-Tetrachloroethane									
23.010	23.010	(1.106)	83	74075	2.00000	1.720	50.00- 150.00	100.00	
23.010	23.010	(1.106)	85	51042			14.03- 114.03	68.91	

142 Propylbenzene									
23.121	23.121	(1.112)	91	134685	2.00000	1.648	50.00- 150.00	100.00	
23.121	23.121	(1.112)	120	25220			0.00- 69.31	18.73	
23.121	23.121	(1.112)	105	4816			0.00- 53.79	3.58	

145 4-Ethyltoluene									
23.287	23.287	(1.120)	105	99161	2.00000	1.588	50.00- 150.00	100.00	
23.287	23.287	(1.120)	120	26816			0.00- 77.73	27.04	

147 1,3,5-Trimethylbenzene									
23.397	23.397	(1.125)	105	94929	2.00000	1.729	50.00- 150.00	100.00	
23.397	23.397	(1.125)	120	44124			0.00- 97.80	46.48	

150 1,2,4-Trimethylbenzene									
24.033	24.033	(1.156)	105	84323	2.00000	1.772	50.00- 150.00	100.00	
24.033	24.033	(1.156)	120	34644			0.00- 93.56	41.08	

155 1,3-Dichlorobenzene									
24.586	24.586	(1.182)	146	51213	2.00000	1.652	50.00- 150.00	100.00	
24.586	24.586	(1.182)	148	30443			13.27- 113.27	59.44	
24.586	24.586	(1.182)	111	22808			0.00- 94.36	44.54	

156 1,4-Dichlorobenzene									
24.752	24.752	(1.190)	146	52304	2.00000	1.689	50.00- 150.00	100.00	
24.752	24.752	(1.190)	148	29905			12.89- 112.89	57.18	
24.724	24.724	(1.189)	111	22041			0.00- 93.08	42.14	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159	alpha-Chlorotoluene					CAS #: 100-44-7			
24.946	24.946	(1.199)	91	57142	2.00000	1.333	50.00- 150.00	100.00	
24.946	24.946	(1.199)	126	10204			0.00- 68.80	17.86	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.360	25.360	(1.219)	146	50578	2.00000	1.802	50.00- 150.00	100.00	
25.360	25.360	(1.219)	148	30177			16.30- 116.30	59.66	
25.360	25.360	(1.219)	111	20310			0.00- 96.96	40.16	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.153	28.153	(1.354)	180	26203	2.00000	2.160	50.00- 150.00	100.00	
28.153	28.153	(1.354)	182	25268			46.55- 146.55	96.43	

166	Hexachlorobutadiene					CAS #: 87-68-3			
28.346	28.346	(1.363)	225	30628	2.00000	2.098	50.00- 150.00	100.00	
28.319	28.319	(1.362)	223	18192			11.27- 111.27	59.40	

19	Butane					CAS #: 106-97-8			
6.835	6.835	(0.492)	58	13403	2.00000	1.983	50.00- 150.00	100.00(a)	
6.835	6.835	(0.492)	43	97603			752.21- 852.21	728.22	

29	Isopentane					CAS #: 78-78-4			
8.273	8.273	(0.596)	43	109941	2.00000	1.789	50.00- 150.00	100.00(a)	
8.301	8.301	(0.598)	57	75034			17.93- 117.93	68.25	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.374	16.374	(1.179)	83	50851	2.00000	1.744	50.00- 150.00	100.00	
16.374	16.374	(1.179)	98	24473			0.00- 96.41	48.13	
16.374	16.374	(1.179)	55	62651			72.17- 172.17	123.21	

167	Naphthalene					CAS #: 91-20-3			
28.678	28.678	(1.379)	128	63447	2.00000	2.162	50.00- 150.00	100.00	
28.678	28.678	(1.379)	127	12224			0.00- 64.01	19.27	

QC Flag Legend

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

Report Date: 06-Oct-2007 09:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100504.d
 Lab Smp Id: ICAL Level 3
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: lo

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-2.0ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	235876	-3.21
97 1,4-Difluorobenze	1065114	639068	1491160	1053651	-1.08
126 Chlorobenzene-d5	943018	565811	1320225	922221	-2.21

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

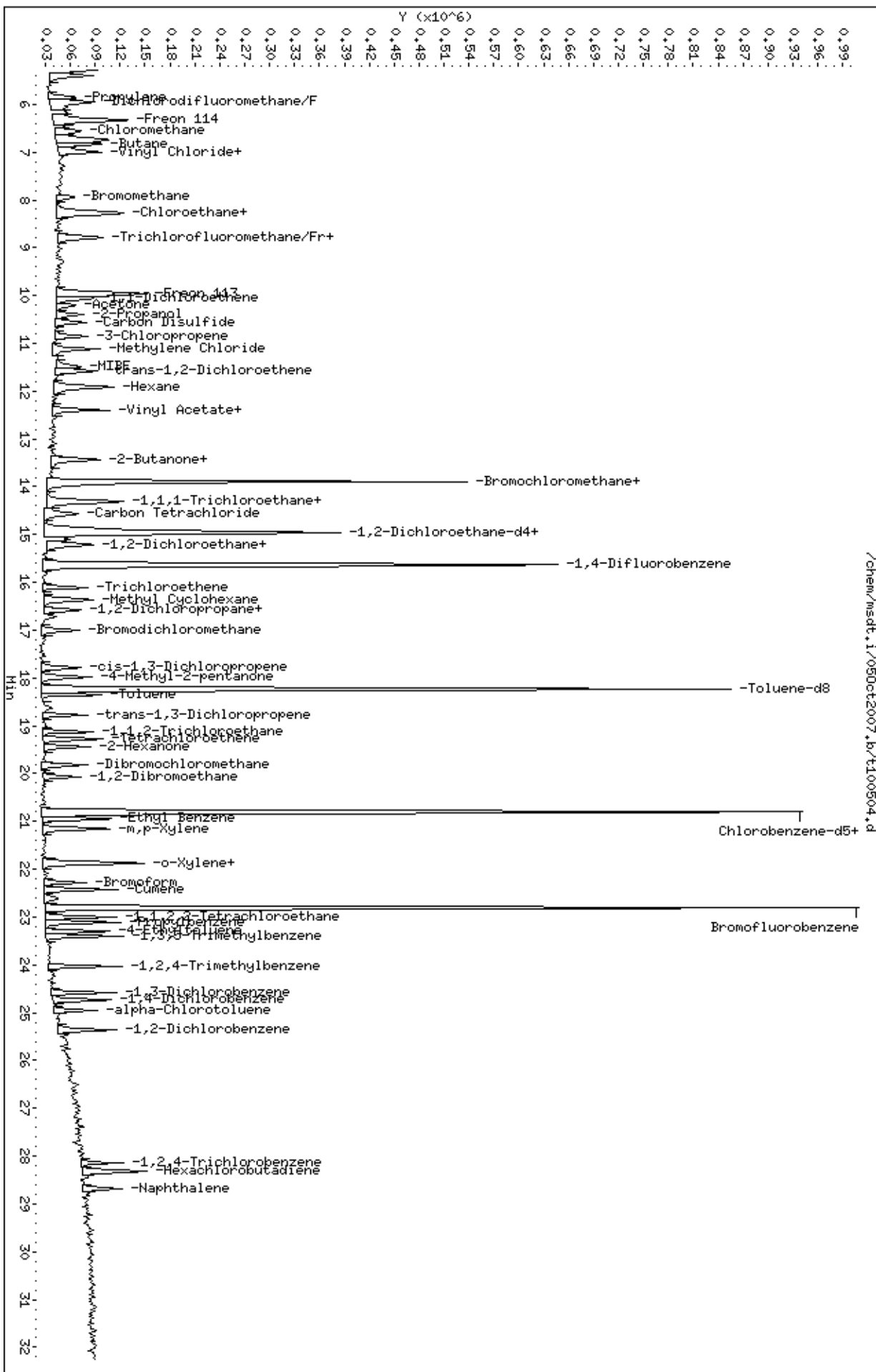
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/05Oct2007.b/t100504.d
Date: 05-OCT-2007 14:33
Client ID: Calib
Sample Info: 2.0mL #1576-26

Column phase: RTX-624

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



Report Date: 08-Oct-2007 10:22

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100505.d
 Lab Smp Id: ICAL Level 4 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 15:11
 Operator : dm Inst ID: msdt.i
 Smp Info : 25mL #1576-26
 Misc Info : 200ppbv-25ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 15:11 Cal File: t100505.d
 Als bottle: 1 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	CAL-AMT		ON-COL	TARGET RANGE	RATIO	
				RESPONSE	(PPBV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

* 81	Bromochloromethane			CAS #: 74-97-5					
13.886	13.886	(1.000)	130	258965	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	211479			27.31- 127.31	81.66	
13.886	13.886	(1.000)	49	780030			298.50- 398.50	301.21	

* 97	1,4-Difluorobenzene			CAS #: 540-36-3					
15.628	15.627	(1.000)	114	1127560	25.0000		80.00- 120.00	100.00	
15.628	15.627	(1.000)	88	197208			0.00- 67.89	17.49	

* 126	Chlorobenzene-d5			CAS #: 3114-55-4					
20.798	20.798	(1.000)	117	977852	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	585751			11.55- 111.55	59.90	

\$ 90	1,2-Dichloroethane-d4			CAS #: 17060-07-0					
14.964	14.964	(1.078)	65	486685	25.0000	24.565	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	251509			3.71- 103.71	51.68	

\$ 113	Toluene-d8			CAS #: 2037-26-5					
18.227	18.227	(1.166)	98	1087915	25.0000	24.639	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	136721			0.00- 62.83	12.57	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.227	18.227	(1.166)	100	782150			22.56- 122.56	71.89		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
22.789	22.789	(1.096)	174	475618	25.0000	25.146	80.00- 120.00	100.00		
22.789	22.789	(1.096)	95	764375			110.52- 210.52	160.71		
22.789	22.789	(1.096)	176	468644			45.11- 145.11	98.53		

11 Propylene										
						CAS #: 115-07-1				
5.840	5.840	(0.421)	41	450780	25.0000	24.428	80.00- 120.00	100.00		
5.840	5.840	(0.421)	42	321017			18.28- 118.28	71.21		
5.840	5.840	(0.421)	39	332414			23.47- 123.47	73.74		

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.950	5.950	(0.429)	85	1309770	25.0000	26.881	80.00- 120.00	100.00		
5.950	5.950	(0.429)	87	426555			0.00- 82.09	32.57		

16 Freon 114										
						CAS #: 76-14-2				
6.310	6.310	(0.454)	135	1621385	25.0000	35.237	80.00- 120.00	100.00		
6.310	6.310	(0.454)	137	530527			0.00- 84.11	32.72		

18 Chloromethane										
						CAS #: 74-87-3				
6.559	6.558	(0.472)	50	516392	25.0000	25.802	80.00- 120.00	100.00		
6.559	6.558	(0.472)	52	163556			0.00- 83.72	31.67		

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.918	6.918	(0.498)	62	665267	25.0000	27.437	80.00- 120.00	100.00		
6.918	6.918	(0.498)	64	207330			0.00- 88.78	31.16		

22 1,3-Butadiene										
						CAS #: 106-99-0				
7.001	6.973	(0.504)	54	992086	25.0000	31.835	80.00- 120.00	100.00		
7.001	6.973	(0.504)	39	914794			47.92- 147.92	92.21		

25 Bromomethane										
						CAS #: 74-83-9				
7.941	7.941	(0.572)	94	489178	25.0000	26.925	80.00- 120.00	100.00		
7.941	7.941	(0.572)	96	455730			44.35- 144.35	93.16		

27 Chloroethane										
						CAS #: 75-00-3				
8.218	8.217	(0.592)	64	356693	25.0000	27.986	80.00- 120.00	100.00		
8.218	8.217	(0.592)	49	103531			0.00- 79.32	29.03		
8.218	8.217	(0.592)	66	106890			0.00- 83.65	29.97		

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
8.798	8.798	(0.634)	101	2289736	25.0000	30.131	80.00- 120.00	100.00		
8.798	8.798	(0.634)	103	1459854			13.74- 113.74	63.76		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	422904	25.0000	32.117	80.00- 120.00	100.00	
9.268	9.240	(0.667)	43	92110			0.00- 75.47	21.78	
9.268	9.268	(0.667)	46	159600			0.00- 89.98	37.74	

42 Freon 113						CAS #: 76-13-1			
9.959	9.959	(0.717)	151	1628623	25.0000	29.248	80.00- 120.00	100.00	
9.959	9.959	(0.717)	153	1038723			13.42- 113.42	63.78	
9.959	9.959	(0.717)	101	2294324			90.80- 190.80	140.88	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.070	10.042	(0.725)	61	1162937	25.0000	28.553	80.00- 120.00	100.00	
10.070	10.070	(0.725)	96	573207			0.00- 98.38	49.29	
10.070	10.070	(0.725)	98	371387			0.00- 79.95	31.94	

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	418523	25.0000	27.509	80.00- 120.00	100.00	
10.208	10.208	(0.735)	43	1265234			257.67- 357.67	302.31	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	1752226	25.0000	27.077	80.00- 120.00	100.00	
10.402	10.402	(0.749)	43	388885			0.00- 72.34	22.19	
10.402	10.402	(0.749)	59	65344			0.00- 54.25	3.73	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	1627069	25.0000	26.880	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	281035	25.0000	26.025	80.00- 120.00	100.00	
10.844	10.844	(0.781)	41	1047359			318.47- 418.47	372.68	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	870056	25.0000	26.441	80.00- 120.00	100.00	
11.121	11.121	(0.801)	84	483479			4.45- 104.45	55.57	
11.121	11.121	(0.801)	51	263872			0.00- 84.40	30.33	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	1883122	25.0000	32.942	80.00- 120.00	100.00	
11.480	11.480	(0.827)	57	541695			0.00- 79.52	28.77	
11.480	11.452	(0.827)	41	536095			0.00- 84.80	28.47	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.591	11.563	(0.835)	96	603346	25.0000	26.306	80.00- 120.00	100.00	
11.563	11.563	(0.833)	61	1101366			134.98- 234.98	182.54	
11.591	11.563	(0.835)	98	383356			10.75- 110.75	63.54	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
11.923	11.922	(0.859)	57	1600266	25.0000	27.240	80.00- 120.00	100.00	
11.923	11.922	(0.859)	43	1036100			15.98- 115.98	64.75	
11.923	11.922	(0.859)	86	195463			0.00- 62.69	12.21	

69 Vinyl Acetate						CAS #: 108-05-4			
12.393	12.393	(0.892)	86	150741	25.0000	26.005	80.00- 120.00	100.00	
12.393	12.365	(0.892)	43	2243817			1361.23-1461.23	1488.52	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.393	12.393	(0.892)	63	1418191	25.0000	29.037	80.00- 120.00	100.00	
12.393	12.393	(0.892)	65	434190			0.00- 81.15	30.62	

75 2-Butanone						CAS #: 78-93-3			
13.416	13.416	(0.966)	72	302097	25.0000	27.014	80.00- 120.00	100.00	
13.416	13.416	(0.966)	43	1604322			462.58- 562.58	531.06	
13.416	13.416	(0.966)	57	122303			0.00- 92.45	40.48	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.443	13.443	(0.968)	61	925486	25.0000	28.374	80.00- 120.00	100.00	
13.443	13.443	(0.968)	96	564441			10.19- 110.19	60.99	
13.443	13.443	(0.968)	98	345068			0.00- 87.73	37.29	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.886	13.886	(1.000)	42	884642	25.0000	30.032	80.00- 120.00	100.00	
13.886	13.886	(1.000)	71	260572			0.00- 80.74	29.46	
13.886	13.886	(1.000)	72	284659			0.00- 85.37	32.18	

82 Chloroform						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	1083269	25.0000	29.244	80.00- 120.00	100.00	
13.969	13.969	(1.006)	85	696836			13.19- 113.19	64.33	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.300	14.300	(1.030)	97	1165314	25.0000	27.646	80.00- 120.00	100.00	
14.300	14.300	(1.030)	99	750300			13.39- 113.39	64.39	

85 Cyclohexane						CAS #: 110-82-7			
14.328	14.300	(1.032)	84	827777	25.0000	27.590	80.00- 120.00	100.00	
14.300	14.300	(1.030)	56	1386169			112.15- 212.15	167.46	
14.300	14.300	(1.030)	41	740695			37.02- 137.02	89.48	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.549	14.549	(1.048)	119	951148	25.0000	27.070	80.00- 120.00	100.00	
14.549	14.549	(1.048)	117	1014162			54.86- 154.86	106.63	

91 Benzene						CAS #: 71-43-2			
14.992	14.964	(0.959)	78	1652304	25.0000	29.456	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
14.992	14.992	(0.959)	77	361222			0.00- 74.31	21.86	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
14.909	14.881	(1.074)	57	3519246	25.0000	28.233	80.00- 120.00	100.00	
14.909	14.881	(1.074)	56	1216491			0.00- 82.88	34.57	
14.909	14.881	(1.074)	41	945192			0.00- 79.52	26.86	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	807685	25.0000	27.085	80.00- 120.00	100.00	
15.102	15.102	(0.966)	64	258234			0.00- 82.31	31.97	

94 Heptane CAS #: 142-82-5									
15.213	15.213	(0.973)	71	556591	25.0000	26.263	80.00- 120.00	100.00	
15.213	15.185	(0.973)	43	1321350			178.63- 278.63	237.40	
15.213	15.185	(0.973)	57	664981			61.28- 161.28	119.47	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	614798	25.0000	27.761	80.00- 120.00	100.00	
16.098	16.098	(1.030)	130	524343			34.56- 134.56	85.29	
16.098	16.098	(1.030)	97	394025			13.95- 113.95	64.09	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.568	16.568	(1.060)	63	673399	25.0000	26.996	80.00- 120.00	100.00	
16.595	16.568	(1.062)	62	510451			22.68- 122.68	75.80	
16.568	16.568	(1.060)	41	455153			14.82- 114.82	67.59	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	363004	25.0000	26.521	80.00- 120.00	100.00	
16.706	16.706	(1.069)	58	327878			37.83- 137.83	90.32	
16.706	16.706	(1.069)	57	107421			0.00- 80.68	29.59	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	1033907	25.0000	27.548	80.00- 120.00	100.00	
17.010	17.010	(1.088)	85	641520			13.94- 113.94	62.05	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.784	17.784	(1.138)	75	858947	25.0000	27.576	80.00- 120.00	100.00	
17.784	17.784	(1.138)	77	260902			0.00- 81.37	30.37	
17.784	17.784	(1.138)	39	590751			21.20- 121.20	68.78	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	616580	25.0000	27.504	80.00- 120.00	100.00	
17.978	17.978	(1.150)	43	1662741			211.99- 311.99	269.67	
17.978	17.978	(1.150)	85	196755			0.00- 83.31	31.91	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.337	18.337	(1.173)	91	1689699	25.0000	27.684	80.00-	120.00	100.00
18.337	18.337	(1.173)	92	1073802			14.39-	114.39	63.55

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	876303	25.0000	27.707	80.00-	120.00	100.00
18.780	18.780	(0.903)	77	273766			0.00-	80.99	31.24
18.780	18.780	(0.903)	39	591510			17.76-	117.76	67.50

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.111	19.111	(0.919)	97	605795	25.0000	27.520	80.00-	120.00	100.00
19.111	19.111	(0.919)	99	371456			12.80-	112.80	61.32
19.111	19.111	(0.919)	83	539593			40.14-	140.14	89.07

120 Tetrachloroethene						CAS #: 127-18-4			
19.277	19.277	(0.927)	166	678098	25.0000	27.744	80.00-	120.00	100.00
19.277	19.277	(0.927)	129	523182			26.94-	126.94	77.15
19.277	19.277	(0.927)	131	522304			27.85-	127.85	77.02

121 2-Hexanone						CAS #: 591-78-6			
19.443	19.443	(0.935)	58	829411	25.0000	26.838	80.00-	120.00	100.00
19.443	19.443	(0.935)	43	1632117			145.68-	245.68	196.78
19.443	19.443	(0.935)	100	111516			0.00-	63.81	13.45

122 Dibromochloromethane						CAS #: 124-48-1			
19.803	19.803	(0.952)	129	870935	25.0000	27.911	80.00-	120.00	100.00
19.803	19.803	(0.952)	127	681185			26.76-	126.76	78.21

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.079	20.079	(0.965)	107	986901	25.0000	28.146	80.00-	120.00	100.00
20.079	20.079	(0.965)	109	916695			43.81-	143.81	92.89

127 Chlorobenzene						CAS #: 108-90-7			
20.853	20.853	(1.003)	112	1300169	25.0000	27.581	80.00-	120.00	100.00
20.853	20.853	(1.003)	114	415805			0.00-	81.67	31.98
20.853	20.853	(1.003)	77	872355			18.02-	118.02	67.10

128 Ethyl Benzene						CAS #: 100-41-4			
20.964	20.964	(1.008)	106	698540	25.0000	28.017	80.00-	120.00	100.00
20.964	20.936	(1.008)	91	2262676			270.03-	370.03	323.92

129 m,p-Xylene						CAS #: 108-38-3			
21.158	21.157	(1.017)	106	868954	25.0000	28.293	80.00-	120.00	100.00
21.158	21.157	(1.017)	91	1790354			161.94-	261.94	206.04

130 o-Xylene						CAS #: 95-47-6			
21.849	21.849	(1.051)	106	800193	25.0000	28.459	80.00-	120.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	1689445			165.30- 265.30	211.13	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	1320839	25.0000	28.630	80.00- 120.00	100.00	
21.876	21.876	(1.052)	78	725233			4.53- 104.53	54.91	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	767587	25.0000	28.774	80.00- 120.00	100.00	
22.291	22.291	(1.072)	171	391985			2.09- 102.09	51.07	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	1919242	25.0000	27.978	80.00- 120.00	100.00	
22.429	22.429	(1.078)	120	491508			0.00- 78.50	25.61	
22.429	22.429	(1.078)	51	260954			0.00- 65.94	13.60	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	1268079	25.0000	27.779	80.00- 120.00	100.00	
23.010	23.010	(1.106)	85	792451			13.84- 113.84	62.49	

142 Propylbenzene CAS #: 103-65-1									
23.121	23.120	(1.112)	91	2328378	25.0000	26.868	80.00- 120.00	100.00	
23.121	23.120	(1.112)	120	477500			0.00- 69.31	20.51	
23.121	23.120	(1.112)	105	82706			0.00- 53.79	3.55	

145 4-Ethyltoluene CAS #: 622-96-8									
23.287	23.286	(1.120)	105	1817018	25.0000	27.444	80.00- 120.00	100.00	
23.287	23.286	(1.120)	120	525285			0.00- 78.40	28.91	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	1571215	25.0000	26.994	80.00- 120.00	100.00	
23.397	23.397	(1.125)	120	726421			0.00- 97.80	46.23	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	1321367	25.0000	26.194	80.00- 120.00	100.00	
24.033	24.033	(1.156)	120	575490			0.00- 93.56	43.55	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	879858	25.0000	26.765	80.00- 120.00	100.00	
24.586	24.586	(1.182)	148	559720			13.27- 113.27	63.61	
24.586	24.586	(1.182)	111	366671			0.00- 94.36	41.67	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	872358	25.0000	26.573	80.00- 120.00	100.00	
24.752	24.752	(1.190)	148	548480			12.89- 112.89	62.87	
24.724	24.724	(1.189)	111	361982			0.00- 93.08	41.49	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159 alpha-Chlorotoluene						CAS #: 100-44-7			
24.945	24.945	(1.199)	91	1216036	25.0000	26.752	80.00- 120.00	100.00	
24.945	24.945	(1.199)	126	208136			0.00- 68.80	17.12	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.360	25.360	(1.219)	146	775592	25.0000	26.060	80.00- 120.00	100.00	
25.360	25.360	(1.219)	148	491882			13.05- 113.05	63.42	
25.360	25.360	(1.219)	111	338081			0.00- 94.07	43.59	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.153	28.153	(1.354)	180	253513	25.0000	19.711	80.00- 120.00	100.00	
28.153	28.153	(1.354)	182	248501			45.06- 145.06	98.02	

166 Hexachlorobutadiene						CAS #: 87-68-3			
28.319	28.319	(1.362)	225	324074	25.0000	20.938	80.00- 120.00	100.00	
28.319	28.319	(1.362)	223	202021			11.27- 111.27	62.34	

19 Butane						CAS #: 106-97-8			
6.835	6.807	(0.492)	58	232837	25.0000	31.380	80.00- 120.00	100.00	
6.807	6.807	(0.490)	43	1863962			752.21- 852.21	800.54	

29 Isopentane						CAS #: 78-78-4			
8.273	8.273	(0.596)	43	1864740	25.0000	27.638	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	1258116			17.93- 117.93	67.47	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.374	16.374	(1.179)	83	929355	25.0000	29.032	80.00- 120.00	100.00	
16.374	16.374	(1.179)	98	387965			0.00- 96.41	41.75	
16.374	16.374	(1.179)	55	1020897			72.17- 172.17	109.85	

167 Naphthalene						CAS #: 91-20-3			
28.678	28.678	(1.379)	128	614376	25.0000	19.740	80.00- 120.00	100.00	
28.678	28.678	(1.379)	127	74612			0.00- 64.01	12.14	

Report Date: 08-Oct-2007 10:22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100505.d
 Lab Smp Id: ICAL Level 4
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: dm

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-25ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	258965	6.26
97 1,4-Difluorobenze	1065114	639068	1491160	1127560	5.86
126 Chlorobenzene-d5	943018	565811	1320225	977852	3.69

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

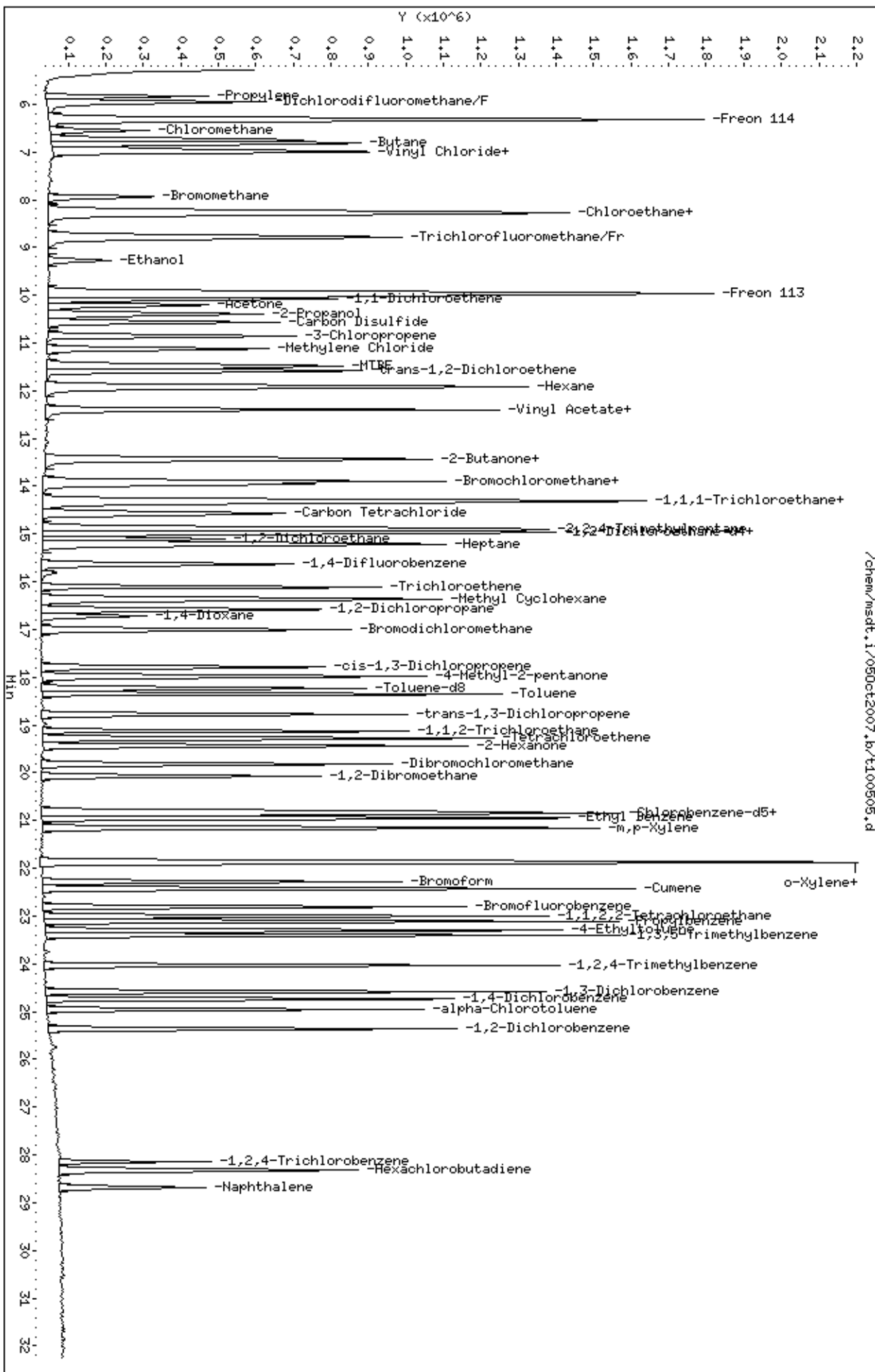
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/050ct2007,b/t100505.d
 Date: 05-OCT-2007 15:11
 Client ID: Calib
 Sample Info: 25mL #1576-26

Column phase: RTX-624

Instrument: msdt,i
 Operator: dm
 Column diameter: 0.53



Report Date: 08-Oct-2007 10:27

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100506.d
 Lab Smp Id: ICAL Level 5 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 15:51
 Operator : dm Inst ID: msdt.i
 Smp Info : 50mL #1576-26
 Misc Info : 200ppbv-50ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 15:51 Cal File: t100506.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	CAL-AMT		ON-COL		TARGET RANGE	RATIO
				RESPONSE	(PPBV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	243707	25.0000			80.00- 120.00	100.00
13.886	13.886	(1.000)	128	188417				27.31- 127.31	77.31
13.886	13.886	(1.000)	49	849308				298.50- 398.50	348.50

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.627	15.627	(1.000)	114	1065114	25.0000			80.00- 120.00	100.00
15.627	15.627	(1.000)	88	190517				0.00- 67.89	17.89

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	943018	25.0000			80.00- 120.00	100.00
20.798	20.798	(1.000)	82	580236				11.55- 111.55	61.53

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	476449	25.0000	25.554		80.00- 120.00	100.00
14.964	14.964	(1.078)	67	274164				3.71- 103.71	57.54

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1037434	25.0000	24.873		80.00- 120.00	100.00
18.227	18.227	(1.166)	70	132859				0.00- 62.83	12.81

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

\$ 113 Toluene-d8 (continued)									
18.227	18.227	(1.166)	100	742993			22.56- 122.56	71.62	

\$ 137 Bromofluorobenzene									
						CAS #: 460-00-4			
22.789	22.789	(1.096)	174	503821	25.0000	27.622	80.00- 120.00	100.00	
22.789	22.789	(1.096)	95	808731			110.52- 210.52	160.52	
22.789	22.789	(1.096)	176	479204			45.11- 145.11	95.11	

11 Propylene									
						CAS #: 115-07-1			
5.840	5.840	(0.421)	41	849120	50.0000	48.896	80.00- 120.00	100.00	
5.840	5.840	(0.421)	42	604600			18.28- 118.28	71.20	
5.840	5.840	(0.421)	39	647926			23.47- 123.47	76.31	

12 Dichlorodifluoromethane/Fr12									
						CAS #: 75-71-8			
5.950	5.950	(0.428)	85	2441231	50.0000	53.239	80.00- 120.00	100.00	
5.950	5.950	(0.428)	87	773638			0.00- 82.09	31.69	

16 Freon 114									
						CAS #: 76-14-2			
6.310	6.310	(0.454)	135	2507819	50.0000	57.913	80.00- 120.00	100.00	
6.310	6.310	(0.454)	137	807360			0.00- 84.11	32.19	

18 Chloromethane									
						CAS #: 74-87-3			
6.558	6.558	(0.472)	50	955144	50.0000	50.714	80.00- 120.00	100.00	
6.558	6.558	(0.472)	52	302714			0.00- 83.72	31.69	

20 Vinyl Chloride									
						CAS #: 75-01-4			
6.918	6.918	(0.498)	62	1257611	50.0000	55.114	80.00- 120.00	100.00	
6.918	6.918	(0.498)	64	397748			0.00- 88.78	31.63	

22 1,3-Butadiene									
						CAS #: 106-99-0			
6.973	6.973	(0.502)	54	1750216	50.0000	59.679	80.00- 120.00	100.00	
6.973	6.973	(0.502)	39	1605889			47.92- 147.92	91.75	

25 Bromomethane									
						CAS #: 74-83-9			
7.941	7.941	(0.572)	94	907273	50.0000	53.064	80.00- 120.00	100.00	
7.941	7.941	(0.572)	96	856031			44.35- 144.35	94.35	

27 Chloroethane									
						CAS #: 75-00-3			
8.217	8.217	(0.592)	64	634389	50.0000	52.890	80.00- 120.00	100.00	
8.217	8.217	(0.592)	49	213505			0.00- 79.32	33.66	
8.217	8.217	(0.592)	66	184991			0.00- 83.65	29.16	

31 Trichlorofluoromethane/Fr11									
						CAS #: 75-69-4			
8.798	8.798	(0.634)	101	4187709	50.0000	58.557	80.00- 120.00	100.00	
8.798	8.798	(0.634)	103	2669402			13.74- 113.74	63.74	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	742224	50.0000	59.896	80.00- 120.00	100.00	
9.240	9.240	(0.665)	43	147831			0.00- 75.47	19.92	
9.268	9.268	(0.667)	46	265128			0.00- 89.98	35.72	

42 Freon 113						CAS #: 76-13-1			
9.959	9.959	(0.717)	151	2940056	50.0000	56.106	80.00- 120.00	100.00	
9.959	9.959	(0.717)	153	1864438			13.42- 113.42	63.42	
9.959	9.959	(0.717)	101	4139646			90.80- 190.80	140.80	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.042	10.042	(0.723)	61	2259503	50.0000	58.950	80.00- 120.00	100.00	
10.070	10.070	(0.725)	96	1093048			0.00- 98.38	48.38	
10.070	10.070	(0.725)	98	676802			0.00- 79.95	29.95	

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	770456	50.0000	53.812	80.00- 120.00	100.00	
10.208	10.208	(0.735)	43	2454357			257.67- 357.67	318.56	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	3396797	50.0000	55.777	80.00- 120.00	100.00	
10.402	10.402	(0.749)	43	717100			0.00- 72.34	21.11	
10.402	10.402	(0.749)	59	115765			0.00- 54.25	3.41	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	3092802	50.0000	54.294	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	573559	50.0000	56.440	80.00- 120.00	100.00	
10.844	10.844	(0.781)	41	1991033			318.47- 418.47	347.14	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	1631693	50.0000	52.692	80.00- 120.00	100.00	
11.121	11.121	(0.801)	84	888427			4.45- 104.45	54.45	
11.121	11.121	(0.801)	51	497365			0.00- 84.40	30.48	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	3214879	50.0000	59.760	80.00- 120.00	100.00	
11.480	11.480	(0.827)	57	949085			0.00- 79.52	29.52	
11.452	11.452	(0.825)	41	904813			0.00- 84.80	28.14	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	1118094	50.0000	51.802	80.00- 120.00	100.00	
11.563	11.563	(0.833)	61	2068306			134.98- 234.98	184.98	
11.563	11.563	(0.833)	98	705828			10.75- 110.75	63.13	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
11.922	11.922	(0.859)	57	3107085	50.0000	56.201	80.00- 120.00	100.00	
11.922	11.922	(0.859)	43	2006274			15.98- 115.98	64.57	
11.922	11.922	(0.859)	86	364517			0.00- 62.69	11.73	

69 Vinyl Acetate						CAS #: 108-05-4			
12.393	12.393	(0.892)	86	283688	50.0000	52.004	80.00- 120.00	100.00	
12.365	12.365	(0.890)	43	4214507			1361.23-1461.23	1485.61	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.393	12.393	(0.892)	63	2634631	50.0000	57.321	80.00- 120.00	100.00	
12.393	12.393	(0.892)	65	820747			0.00- 81.15	31.15	

75 2-Butanone						CAS #: 78-93-3			
13.416	13.416	(0.966)	72	583366	50.0000	55.432	80.00- 120.00	100.00	
13.416	13.416	(0.966)	43	2990195			462.58- 562.58	512.58	
13.416	13.416	(0.966)	57	224737			0.00- 92.45	38.52	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.443	13.443	(0.968)	61	1702140	50.0000	55.452	80.00- 120.00	100.00	
13.443	13.443	(0.968)	96	1024561			10.19- 110.19	60.19	
13.443	13.443	(0.968)	98	642159			0.00- 87.73	37.73	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.886	13.886	(1.000)	42	1603795	50.0000	57.855	80.00- 120.00	100.00	
13.886	13.886	(1.000)	71	493013			0.00- 80.74	30.74	
13.886	13.886	(1.000)	72	545916			0.00- 85.37	34.04	

82 Chloroform						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	2037774	50.0000	58.456	80.00- 120.00	100.00	
13.969	13.969	(1.006)	85	1287569			13.19- 113.19	63.19	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.300	14.300	(1.030)	97	2254171	50.0000	56.826	80.00- 120.00	100.00	
14.300	14.300	(1.030)	99	1429026			13.39- 113.39	63.39	

85 Cyclohexane						CAS #: 110-82-7			
14.300	14.300	(1.030)	84	1619532	50.0000	57.360	80.00- 120.00	100.00	
14.300	14.300	(1.030)	56	2626140			112.15- 212.15	162.15	
14.300	14.300	(1.030)	41	1409378			37.02- 137.02	87.02	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.549	14.549	(1.048)	119	1857707	50.0000	56.181	80.00- 120.00	100.00	
14.549	14.549	(1.048)	117	1948053			54.86- 154.86	104.86	

91 Benzene						CAS #: 71-43-2			
14.964	14.964	(0.958)	78	3062044	50.0000	57.789	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
14.992	14.992	(0.959)	77	660505			0.00- 74.31	21.57	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
14.881	14.881	(1.072)	57	6897657	50.0000	58.801	80.00- 120.00	100.00	
14.881	14.881	(1.072)	56	2339197			0.00- 82.88	33.91	
14.881	14.881	(1.072)	41	1827336			0.00- 79.52	26.49	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	1517085	50.0000	53.857	80.00- 120.00	100.00	
15.102	15.102	(0.966)	64	460301			0.00- 82.31	30.34	

94 Heptane CAS #: 142-82-5									
15.213	15.213	(0.973)	71	1081118	50.0000	54.004	80.00- 120.00	100.00	
15.185	15.185	(0.972)	43	2503819			178.63- 278.63	231.60	
15.185	15.185	(0.972)	57	1303021			61.28- 161.28	120.53	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	1126397	50.0000	53.845	80.00- 120.00	100.00	
16.098	16.098	(1.030)	130	952504			34.56- 134.56	84.56	
16.098	16.098	(1.030)	97	720350			13.95- 113.95	63.95	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.568	16.568	(1.060)	63	1284790	50.0000	54.526	80.00- 120.00	100.00	
16.568	16.568	(1.060)	62	933768			22.68- 122.68	72.68	
16.568	16.568	(1.060)	41	832776			14.82- 114.82	64.82	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	698174	50.0000	53.999	80.00- 120.00	100.00	
16.706	16.706	(1.069)	58	613212			37.83- 137.83	87.83	
16.706	16.706	(1.069)	57	214913			0.00- 80.68	30.78	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	1945671	50.0000	54.882	80.00- 120.00	100.00	
17.010	17.010	(1.088)	85	1244061			13.94- 113.94	63.94	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.784	17.784	(1.138)	75	1609942	50.0000	54.716	80.00- 120.00	100.00	
17.784	17.784	(1.138)	77	505015			0.00- 81.37	31.37	
17.784	17.784	(1.138)	39	1146238			21.20- 121.20	71.20	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	1205240	50.0000	56.915	80.00- 120.00	100.00	
17.978	17.978	(1.150)	43	3259777			211.99- 311.99	270.47	
17.978	17.978	(1.150)	85	395893			0.00- 83.31	32.85	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.337	18.337	(1.173)	91	3146665	50.0000	54.577	80.00- 120.00	100.00	
18.337	18.337	(1.173)	92	2025990			14.39- 114.39	64.39	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	1704440	50.0000	55.881	80.00- 120.00	100.00	
18.780	18.780	(0.903)	77	528283			0.00- 80.99	30.99	
18.780	18.780	(0.903)	39	1154861			17.76- 117.76	67.76	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.111	19.111	(0.919)	97	1147599	50.0000	54.059	80.00- 120.00	100.00	
19.111	19.111	(0.919)	99	720679			12.80- 112.80	62.80	
19.111	19.111	(0.919)	83	1034413			40.14- 140.14	90.14	

120 Tetrachloroethene						CAS #: 127-18-4			
19.277	19.277	(0.927)	166	1257548	50.0000	53.353	80.00- 120.00	100.00	
19.277	19.277	(0.927)	129	967561			26.94- 126.94	76.94	
19.277	19.277	(0.927)	131	979019			27.85- 127.85	77.85	

121 2-Hexanone						CAS #: 591-78-6			
19.443	19.443	(0.935)	58	1638607	50.0000	54.981	80.00- 120.00	100.00	
19.443	19.443	(0.935)	43	3206477			145.68- 245.68	195.68	
19.443	19.443	(0.935)	100	211932			0.00- 63.81	12.93	

122 Dibromochloromethane						CAS #: 124-48-1			
19.803	19.803	(0.952)	129	1700433	50.0000	56.508	80.00- 120.00	100.00	
19.803	19.803	(0.952)	127	1326682			26.76- 126.76	78.02	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.079	20.079	(0.965)	107	1864257	50.0000	55.132	80.00- 120.00	100.00	
20.079	20.079	(0.965)	109	1748942			43.81- 143.81	93.81	

127 Chlorobenzene						CAS #: 108-90-7			
20.853	20.853	(1.003)	112	2510105	50.0000	55.214	80.00- 120.00	100.00	
20.853	20.853	(1.003)	114	794850			0.00- 81.67	31.67	
20.853	20.853	(1.003)	77	1707487			18.02- 118.02	68.02	

128 Ethyl Benzene						CAS #: 100-41-4			
20.964	20.964	(1.008)	106	1370256	50.0000	56.989	80.00- 120.00	100.00	
20.936	20.936	(1.007)	91	4407344			270.03- 370.03	321.64	

129 m,p-Xylene						CAS #: 108-38-3			
21.157	21.157	(1.017)	106	1723569	50.0000	58.192	80.00- 120.00	100.00	
21.157	21.157	(1.017)	91	3496366			161.94- 261.94	202.86	

130 o-Xylene						CAS #: 95-47-6			
21.849	21.849	(1.051)	106	1544714	50.0000	56.968	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	3325697			165.30- 265.30	215.30	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	2632215	50.0000	59.162	80.00- 120.00	100.00	
21.876	21.876	(1.052)	78	1435331			4.53- 104.53	54.53	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	1545680	50.0000	60.083	80.00- 120.00	100.00	
22.291	22.291	(1.072)	171	805121			2.09- 102.09	52.09	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	3811379	50.0000	57.614	80.00- 120.00	100.00	
22.429	22.429	(1.078)	120	956493			0.00- 78.50	25.10	
22.429	22.429	(1.078)	51	536148			0.00- 65.94	14.07	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	2483897	50.0000	56.422	80.00- 120.00	100.00	
23.010	23.010	(1.106)	85	1585815			13.84- 113.84	63.84	

142 Propylbenzene CAS #: 103-65-1									
23.120	23.120	(1.112)	91	4820290	50.0000	57.677	80.00- 120.00	100.00	
23.120	23.120	(1.112)	120	966148			0.00- 69.31	20.04	
23.120	23.120	(1.112)	105	173562			0.00- 53.79	3.60	

145 4-Ethyltoluene CAS #: 622-96-8									
23.286	23.286	(1.120)	105	3832939	50.0000	60.032	80.00- 120.00	100.00	
23.286	23.286	(1.120)	120	1088619			0.00- 78.40	28.40	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	3238877	50.0000	57.700	80.00- 120.00	100.00	
23.397	23.397	(1.125)	120	1480848			0.00- 97.80	45.72	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	2866602	50.0000	58.926	80.00- 120.00	100.00	
24.033	24.033	(1.156)	120	1243267			0.00- 93.56	43.37	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	1878328	50.0000	59.250	80.00- 120.00	100.00	
24.586	24.586	(1.182)	148	1175628			13.27- 113.27	62.59	
24.586	24.586	(1.182)	111	800795			0.00- 94.36	42.63	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	1903510	50.0000	60.125	80.00- 120.00	100.00	
24.752	24.752	(1.190)	148	1177633			12.89- 112.89	61.87	
24.724	24.724	(1.189)	111	765645			0.00- 93.08	40.22	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
24.945	24.945	(1.199)	91	2765894	50.0000	63.095	80.00- 120.00	100.00	
24.945	24.945	(1.199)	126	495586			0.00- 68.80	17.92	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.360	25.360	(1.219)	146	1656816	50.0000	57.725	80.00- 120.00	100.00	
25.360	25.360	(1.219)	148	1044581			13.05- 113.05	63.05	
25.360	25.360	(1.219)	111	730178			0.00- 94.07	44.07	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.153	28.153	(1.354)	180	629958	50.0000	50.789	80.00- 120.00	100.00	
28.153	28.153	(1.354)	182	598812			45.06- 145.06	95.06	

166	Hexachlorobutadiene					CAS #: 87-68-3			
28.319	28.319	(1.362)	225	744350	50.0000	49.868	80.00- 120.00	100.00	
28.319	28.319	(1.362)	223	463491			11.27- 111.27	62.27	

19	Butane					CAS #: 106-97-8			
6.807	6.807	(0.490)	58	380786	50.0000	54.532	80.00- 120.00	100.00	
6.807	6.807	(0.490)	43	3224007			752.21- 852.21	846.67	

29	Isopentane					CAS #: 78-78-4			
8.273	8.273	(0.596)	43	3469027	50.0000	54.634	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	2368280			17.93- 117.93	68.27	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.374	16.374	(1.179)	83	1755626	50.0000	58.276	80.00- 120.00	100.00	
16.374	16.374	(1.179)	98	745440			0.00- 96.41	42.46	
16.374	16.374	(1.179)	55	1954200			72.17- 172.17	111.31	

167	Naphthalene					CAS #: 91-20-3			
28.678	28.678	(1.379)	128	1491509	50.0000	49.694	80.00- 120.00	100.00	
28.678	28.678	(1.379)	127	183793			0.00- 64.01	12.32	

Report Date: 08-Oct-2007 10:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100506.d
 Lab Smp Id: ICAL Level 5
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: dm

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	243707	0.00
97 1,4-Difluorobenze	1065114	639068	1491160	1065114	0.00
126 Chlorobenzene-d5	943018	565811	1320225	943018	0.00

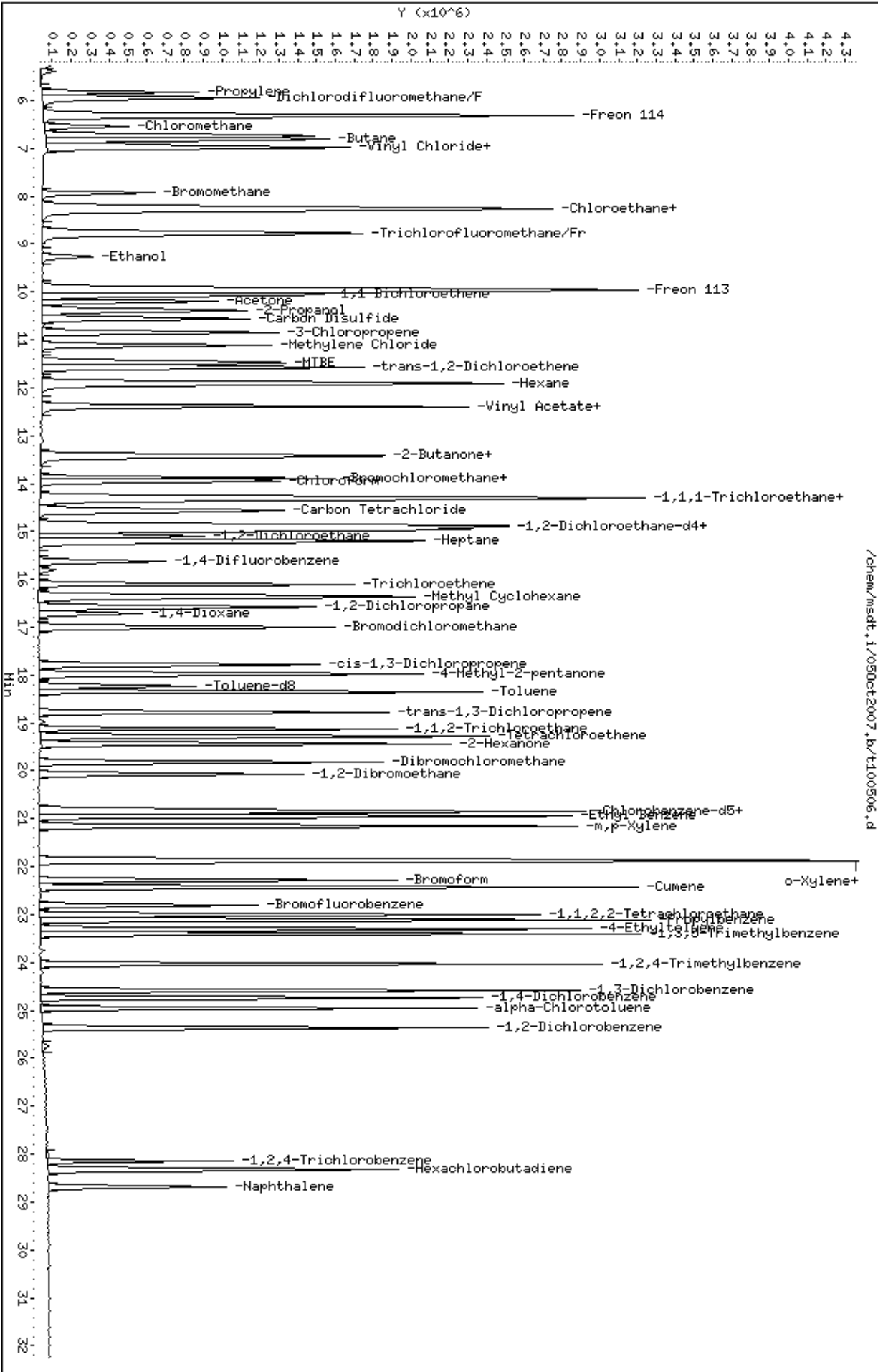
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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-Oct-2007 10:29

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100507.d
 Lab Smp Id: ICAL Level 6 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 16:32
 Operator : dm Inst ID: msdt.i
 Smp Info : 100mL #1576-26
 Misc Info : 200ppbv-100ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 16:32 Cal File: t100507.d
 Als bottle: 1 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	CAL-AMT		ON-COL	TARGET RANGE	RATIO	
				RESPONSE	(PPBV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	242160	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	193726			27.31- 127.31	80.00	
13.886	13.886	(1.000)	49	1045677			298.50- 398.50	431.81	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.627	(1.000)	114	1022504	25.0000		80.00- 120.00	100.00	
15.628	15.627	(1.000)	88	180023			0.00- 67.89	17.61	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	936933	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	576821			11.55- 111.55	61.56	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	472309	25.0000	25.494	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	284951			3.71- 103.71	60.33	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1038329	25.0000	25.932	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	132907			0.00- 62.83	12.80	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 113 Toluene-d8 (continued)									
18.227	18.227	(1.166)	100	746505			22.56- 122.56	71.89	

\$ 137 Bromofluorobenzene									
						CAS #: 460-00-4			
22.789	22.789	(1.096)	174	456507	25.0000	25.190	80.00- 120.00	100.00	
22.789	22.789	(1.096)	95	753390			110.52- 210.52	165.03	
22.789	22.789	(1.096)	176	461721			45.11- 145.11	101.14	

11 Propylene									
						CAS #: 115-07-1			
5.840	5.840	(0.421)	41	1602602	100.000	92.874	80.00- 120.00	100.00	
5.840	5.840	(0.421)	42	1150863			18.28- 118.28	71.81	
5.840	5.840	(0.421)	39	1222611			23.47- 123.47	76.29	

12 Dichlorodifluoromethane/Fr12									
						CAS #: 75-71-8			
5.950	5.950	(0.429)	85	4578239	100.000	100.48	80.00- 120.00	100.00	
5.950	5.950	(0.429)	87	1435429			0.00- 82.09	31.35	

16 Freon 114									
						CAS #: 76-14-2			
6.337	6.310	(0.456)	135	3920059	100.000	91.105	80.00- 120.00	100.00	
6.337	6.310	(0.456)	137	1229696			0.00- 84.11	31.37	

18 Chloromethane									
						CAS #: 74-87-3			
6.559	6.558	(0.472)	50	1764910	100.000	94.307	80.00- 120.00	100.00	
6.559	6.558	(0.472)	52	559225			0.00- 83.72	31.69	

20 Vinyl Chloride									
						CAS #: 75-01-4			
6.918	6.918	(0.498)	62	2349023	100.000	103.60	80.00- 120.00	100.00	
6.918	6.918	(0.498)	64	718417			0.00- 88.78	30.58	

22 1,3-Butadiene									
						CAS #: 106-99-0			
7.001	6.973	(0.504)	54	2845188	100.000	97.635	80.00- 120.00	100.00	
7.001	6.973	(0.504)	39	2606847			47.92- 147.92	91.62	

25 Bromomethane									
						CAS #: 74-83-9			
7.941	7.941	(0.572)	94	1692578	100.000	99.628	80.00- 120.00	100.00	
7.941	7.941	(0.572)	96	1551848			44.35- 144.35	91.69	

27 Chloroethane									
						CAS #: 75-00-3			
8.218	8.217	(0.592)	64	1133747	100.000	95.126	80.00- 120.00	100.00	
8.218	8.217	(0.592)	49	368455			0.00- 79.32	32.50	
8.218	8.217	(0.592)	66	342702			0.00- 83.65	30.23	

31 Trichlorofluoromethane/Fr11									
						CAS #: 75-69-4			
8.798	8.798	(0.634)	101	7091964	100.000	99.802	80.00- 120.00	100.00	
8.798	8.798	(0.634)	103	4509598			13.74- 113.74	63.59	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	1103774	100.000	89.642	80.00- 120.00	100.00	
9.268	9.240	(0.667)	43	232950			0.00- 75.47	21.10	
9.268	9.268	(0.667)	46	421941			0.00- 89.98	38.23	

42 Freon 113						CAS #: 76-13-1			
9.960	9.959	(0.717)	151	4994962	100.000	95.929	80.00- 120.00	100.00	
9.960	9.959	(0.717)	153	3158746			13.42- 113.42	63.24	
9.960	9.959	(0.717)	101	7044938			90.80- 190.80	141.04	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.070	10.042	(0.725)	61	3888463	100.000	102.10	80.00- 120.00	100.00	
10.070	10.070	(0.725)	96	1850799			0.00- 98.38	47.60	
10.070	10.070	(0.725)	98	1198861			0.00- 79.95	30.83	

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	1326536	100.000	93.244	80.00- 120.00	100.00	
10.208	10.208	(0.735)	43	4213397			257.67- 357.67	317.62	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	5878358	100.000	97.142	80.00- 120.00	100.00	
10.402	10.402	(0.749)	43	1213439			0.00- 72.34	20.64	
10.402	10.402	(0.749)	59	219550			0.00- 54.25	3.73	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	5592956	100.000	98.812	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	989059	100.000	97.949	80.00- 120.00	100.00	
10.844	10.844	(0.781)	41	3503741			318.47- 418.47	354.25	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	2856610	100.000	92.837	80.00- 120.00	100.00	
11.121	11.121	(0.801)	84	1566314			4.45- 104.45	54.83	
11.121	11.121	(0.801)	51	885079			0.00- 84.40	30.98	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	5747764	100.000	107.53	80.00- 120.00	100.00	
11.480	11.480	(0.827)	57	1627228			0.00- 79.52	28.31	
11.453	11.452	(0.825)	41	1604561			0.00- 84.80	27.92	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	1981493	100.000	92.390	80.00- 120.00	100.00	
11.563	11.563	(0.833)	61	3692653			134.98- 234.98	186.36	
11.563	11.563	(0.833)	98	1257581			10.75- 110.75	63.47	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
11.923	11.922	(0.859)	57	5616373	100.000	102.24	80.00- 120.00	100.00	
11.923	11.922	(0.859)	43	3578951			15.98- 115.98	63.72	
11.923	11.922	(0.859)	86	629652			0.00- 62.69	11.21	

69 Vinyl Acetate						CAS #: 108-05-4			
12.393	12.393	(0.892)	86	517848	100.000	95.535	80.00- 120.00	100.00	
12.365	12.365	(0.890)	43	7684495			1361.23-1461.23	1483.93	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.393	12.393	(0.892)	63	4713311	100.000	103.20	80.00- 120.00	100.00	
12.393	12.393	(0.892)	65	1433196			0.00- 81.15	30.41	

75 2-Butanone						CAS #: 78-93-3			
13.416	13.416	(0.966)	72	1019922	100.000	97.534	80.00- 120.00	100.00	
13.416	13.416	(0.966)	43	5407542			462.58- 562.58	530.19	
13.416	13.416	(0.966)	57	419250			0.00- 92.45	41.11	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.443	13.443	(0.968)	61	3069991	100.000	100.65	80.00- 120.00	100.00	
13.443	13.443	(0.968)	96	1836199			10.19- 110.19	59.81	
13.443	13.443	(0.968)	98	1149807			0.00- 87.73	37.45	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.886	13.886	(1.000)	42	2921927	100.000	106.08	80.00- 120.00	100.00	
13.886	13.886	(1.000)	71	892855			0.00- 80.74	30.56	
13.886	13.886	(1.000)	72	973828			0.00- 85.37	33.33	

82 Chloroform						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	3656643	100.000	105.56	80.00- 120.00	100.00	
13.969	13.969	(1.006)	85	2356062			13.19- 113.19	64.43	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.301	14.300	(1.030)	97	4090225	100.000	103.77	80.00- 120.00	100.00	
14.301	14.300	(1.030)	99	2614918			13.39- 113.39	63.93	

85 Cyclohexane						CAS #: 110-82-7			
14.301	14.300	(1.030)	84	2902902	100.000	103.47	80.00- 120.00	100.00	
14.301	14.300	(1.030)	56	4687205			112.15- 212.15	161.47	
14.301	14.300	(1.030)	41	2535486			37.02- 137.02	87.34	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.549	14.549	(1.048)	119	3403878	100.000	103.60	80.00- 120.00	100.00	
14.549	14.549	(1.048)	117	3549546			54.86- 154.86	104.28	

91 Benzene						CAS #: 71-43-2			
14.964	14.964	(0.958)	78	5552857	100.000	109.16	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
14.964	14.992	(0.958)	77	1190569			0.00- 74.31	21.44	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
14.881	14.881	(1.072)	57	12176703	100.000	104.47	80.00- 120.00	100.00	
14.881	14.881	(1.072)	56	4123275			0.00- 82.88	33.86	
14.881	14.881	(1.072)	41	3226522			0.00- 79.52	26.50	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	2755383	100.000	101.89	80.00- 120.00	100.00	
15.102	15.102	(0.966)	64	852435			0.00- 82.31	30.94	

94 Heptane CAS #: 142-82-5									
15.185	15.213	(0.972)	71	1958205	100.000	101.89	80.00- 120.00	100.00	
15.185	15.185	(0.972)	43	4601106			178.63- 278.63	234.97	
15.185	15.185	(0.972)	57	2343647			61.28- 161.28	119.68	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	2052435	100.000	102.20	80.00- 120.00	100.00	
16.098	16.098	(1.030)	130	1740429			34.56- 134.56	84.80	
16.098	16.098	(1.030)	97	1319020			13.95- 113.95	64.27	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.568	16.568	(1.060)	63	2298121	100.000	101.59	80.00- 120.00	100.00	
16.568	16.568	(1.060)	62	1723093			22.68- 122.68	74.98	
16.568	16.568	(1.060)	41	1532984			14.82- 114.82	66.71	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	1288000	100.000	103.77	80.00- 120.00	100.00	
16.706	16.706	(1.069)	58	1130717			37.83- 137.83	87.79	
16.706	16.706	(1.069)	57	393990			0.00- 80.68	30.59	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	3641548	100.000	107.00	80.00- 120.00	100.00	
17.010	17.010	(1.088)	85	2330257			13.94- 113.94	63.99	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.784	17.784	(1.138)	75	2998027	100.000	106.14	80.00- 120.00	100.00	
17.784	17.784	(1.138)	77	934426			0.00- 81.37	31.17	
17.784	17.784	(1.138)	39	2143426			21.20- 121.20	71.49	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	2187673	100.000	107.61	80.00- 120.00	100.00	
17.978	17.978	(1.150)	43	5985336			211.99- 311.99	273.59	
17.978	17.978	(1.150)	85	731152			0.00- 83.31	33.42	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
114 Toluene						CAS #: 108-88-3			
18.337	18.337	(1.173)	91	5856586	100.000	105.81	80.00- 120.00	100.00	
18.337	18.337	(1.173)	92	3634741			14.39- 114.39	62.06	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	3183619	100.000	105.06	80.00- 120.00	100.00	
18.780	18.780	(0.903)	77	991100			0.00- 80.99	31.13	
18.780	18.780	(0.903)	39	2146131			17.76- 117.76	67.41	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.112	19.111	(0.919)	97	2127894	100.000	100.89	80.00- 120.00	100.00	
19.112	19.111	(0.919)	99	1319041			12.80- 112.80	61.99	
19.112	19.111	(0.919)	83	1895843			40.14- 140.14	89.09	

120 Tetrachloroethene						CAS #: 127-18-4			
19.277	19.277	(0.927)	166	2344300	100.000	100.10	80.00- 120.00	100.00	
19.277	19.277	(0.927)	129	1782926			26.94- 126.94	76.05	
19.277	19.277	(0.927)	131	1771340			27.85- 127.85	75.56	

121 2-Hexanone						CAS #: 591-78-6			
19.443	19.443	(0.935)	58	3017099	100.000	101.89	80.00- 120.00	100.00	
19.443	19.443	(0.935)	43	5978978			145.68- 245.68	198.17	
19.443	19.443	(0.935)	100	401419			0.00- 63.81	13.30	

122 Dibromochloromethane						CAS #: 124-48-1			
19.803	19.803	(0.952)	129	3186423	100.000	106.58	80.00- 120.00	100.00	
19.803	19.803	(0.952)	127	2490905			26.76- 126.76	78.17	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.079	20.079	(0.965)	107	3438076	100.000	102.34	80.00- 120.00	100.00	
20.079	20.079	(0.965)	109	3243494			43.81- 143.81	94.34	

127 Chlorobenzene						CAS #: 108-90-7			
20.853	20.853	(1.003)	112	4521048	100.000	100.09	80.00- 120.00	100.00	
20.853	20.853	(1.003)	114	1441009			0.00- 81.67	31.87	
20.853	20.853	(1.003)	77	3091899			18.02- 118.02	68.39	

128 Ethyl Benzene						CAS #: 100-41-4			
20.936	20.964	(1.007)	106	2445593	100.000	102.37	80.00- 120.00	100.00	
20.936	20.936	(1.007)	91	8030107			270.03- 370.03	328.35	

129 m,p-Xylene						CAS #: 108-38-3			
21.158	21.157	(1.017)	106	3039553	100.000	103.29	80.00- 120.00	100.00	
21.158	21.157	(1.017)	91	6405775			161.94- 261.94	210.75	

130 o-Xylene						CAS #: 95-47-6			
21.849	21.849	(1.051)	106	2761841	100.000	102.52	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	6002903			165.30- 265.30	217.35	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	4638157	100.000	104.92	80.00- 120.00	100.00	
21.876	21.876	(1.052)	78	2568370			4.53- 104.53	55.37	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	2804172	100.000	109.71	80.00- 120.00	100.00	
22.291	22.291	(1.072)	171	1463868			2.09- 102.09	52.20	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	6913943	100.000	105.19	80.00- 120.00	100.00	
22.429	22.429	(1.078)	120	1729077			0.00- 78.50	25.01	
22.429	22.429	(1.078)	51	1012892			0.00- 65.94	14.65	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	4469108	100.000	102.18	80.00- 120.00	100.00	
23.010	23.010	(1.106)	85	2852229			13.84- 113.84	63.82	

142 Propylbenzene CAS #: 103-65-1									
23.121	23.120	(1.112)	91	8680102	100.000	104.54	80.00- 120.00	100.00	
23.121	23.120	(1.112)	120	1720686			0.00- 69.31	19.82	
23.121	23.120	(1.112)	105	290076			0.00- 53.79	3.34	

145 4-Ethyltoluene CAS #: 622-96-8									
23.287	23.286	(1.120)	105	6775518	100.000	106.81	80.00- 120.00	100.00	
23.287	23.286	(1.120)	120	1887598			0.00- 78.40	27.86	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	5783154	100.000	103.70	80.00- 120.00	100.00	
23.397	23.397	(1.125)	120	2667773			0.00- 97.80	46.13	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	5011220	100.000	103.68	80.00- 120.00	100.00	
24.033	24.033	(1.156)	120	2170046			0.00- 93.56	43.30	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	3178473	100.000	100.91	80.00- 120.00	100.00	
24.586	24.586	(1.182)	148	1990627			13.27- 113.27	62.63	
24.586	24.586	(1.182)	111	1310824			0.00- 94.36	41.24	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	3196239	100.000	101.61	80.00- 120.00	100.00	
24.752	24.752	(1.190)	148	2011877			12.89- 112.89	62.95	
24.724	24.724	(1.189)	111	1267016			0.00- 93.08	39.64	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
24.946	24.945	(1.199)	91	4837213	100.000	111.06	80.00- 120.00	100.00	
24.946	24.945	(1.199)	126	861079			0.00- 68.80	17.80	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.360	25.360	(1.219)	146	2880395	100.000	101.01	80.00- 120.00	100.00	
25.360	25.360	(1.219)	148	1791192			13.05- 113.05	62.19	
25.360	25.360	(1.219)	111	1234909			0.00- 94.07	42.87	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.153	28.153	(1.354)	180	1192296	100.000	96.750	80.00- 120.00	100.00	
28.153	28.153	(1.354)	182	1152649			45.06- 145.06	96.67	

166	Hexachlorobutadiene					CAS #: 87-68-3			
28.319	28.319	(1.362)	225	1505429	100.000	101.51	80.00- 120.00	100.00	
28.319	28.319	(1.362)	223	919715			11.27- 111.27	61.09	

19	Butane					CAS #: 106-97-8			
6.835	6.807	(0.492)	58	612491	100.000	88.275	80.00- 120.00	100.00	
6.835	6.807	(0.492)	43	5104474			752.21- 852.21	833.40	

29	Isopentane					CAS #: 78-78-4			
8.273	8.273	(0.596)	43	6060524	100.000	96.058	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	4105604			17.93- 117.93	67.74	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.374	16.374	(1.179)	83	3172434	100.000	105.98	80.00- 120.00	100.00	
16.374	16.374	(1.179)	98	1334084			0.00- 96.41	42.05	
16.374	16.374	(1.179)	55	3562315			72.17- 172.17	112.29	

167	Naphthalene					CAS #: 91-20-3			
28.678	28.678	(1.379)	128	2933918	100.000	98.386	80.00- 120.00	100.00	
28.678	28.678	(1.379)	127	360941			0.00- 64.01	12.30	

Report Date: 08-Oct-2007 10:29

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100507.d
 Lab Smp Id: ICAL Level 6
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: dm

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-100ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	242160	-0.63
97 1,4-Difluorobenze	1065114	639068	1491160	1022504	-4.00
126 Chlorobenzene-d5	943018	565811	1320225	936933	-0.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

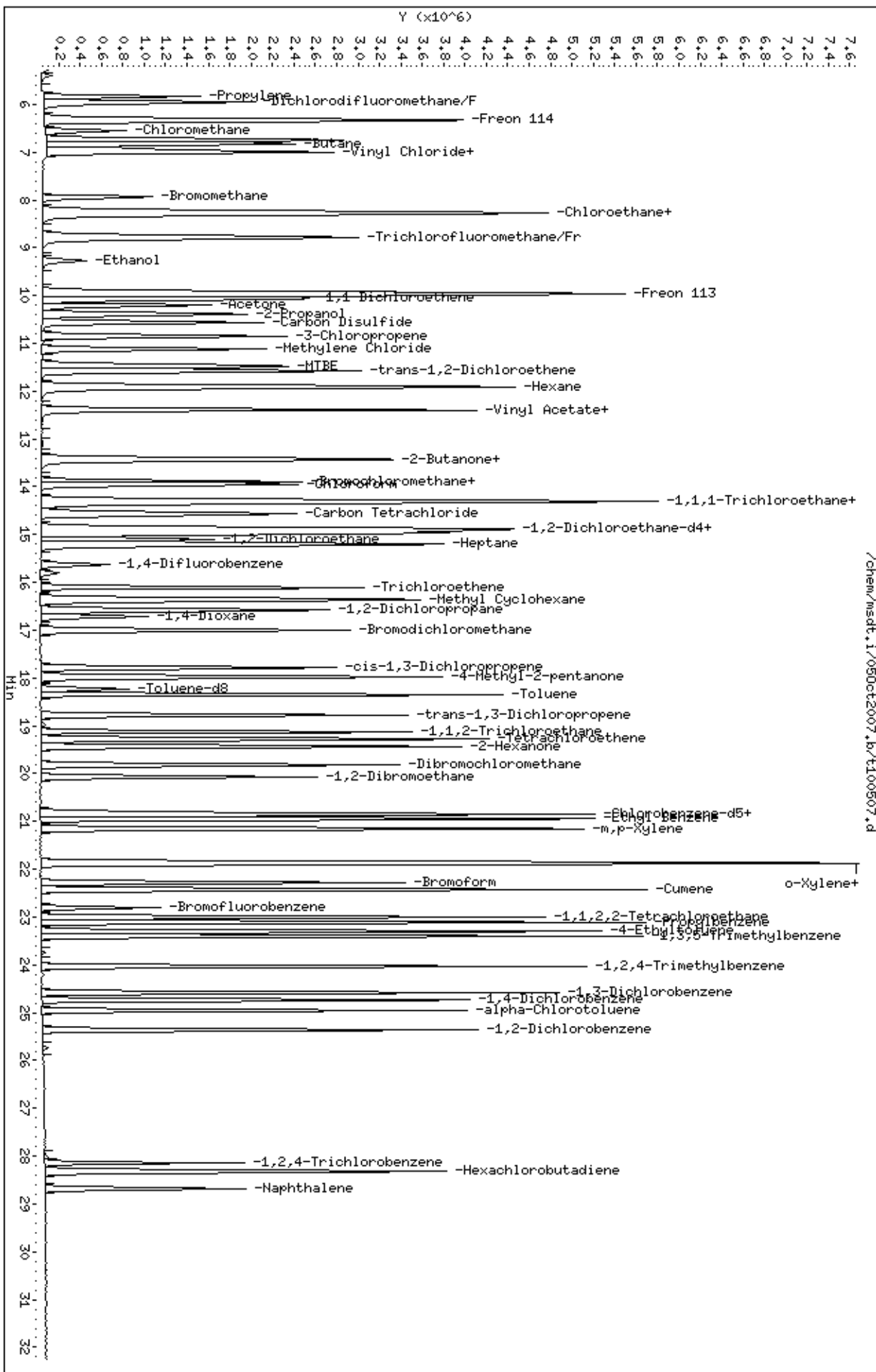
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/050ct2007,b/tl00507.d
Date: 05-OCT-2007 16:32
Client ID: Calib
Sample Info: 100mL #1576-26

Column phase: RTX-624

Instrument: msdt,i
Operator: dm
Column diameter: 0.53



Report Date: 08-Oct-2007 10:30

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Oct2007.b/t100508.d
 Lab Smp Id: ICAL Level 7 Client Smp ID: Calib
 Inj Date : 05-OCT-2007 17:11
 Operator : dm Inst ID: msdt.i
 Smp Info : 200mL #1576-26
 Misc Info : 200ppbv-200ppbv
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/t14q005a.m
 Meth Date : 06-Oct-2007 09:38 sruth Quant Type: ISTD
 Cal Date : 05-OCT-2007 17:11 Cal File: t100508.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	243728	25.0000			80.00- 120.00	100.00
13.886	13.886	(1.000)	128	200111				27.31- 127.31	82.10
13.886	13.886	(1.000)	49	661780				298.50- 398.50	271.52

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.627	(1.000)	114	1038635	25.0000			80.00- 120.00	100.00
15.628	15.627	(1.000)	88	183779				0.00- 67.89	17.69

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	943745	25.0000			80.00- 120.00	100.00
20.798	20.798	(1.000)	82	586339				11.55- 111.55	62.13

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	516921	25.0000	27.723		80.00- 120.00	100.00
14.964	14.964	(1.078)	67	373995				3.71- 103.71	72.35

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	1048171	25.0000	25.771		80.00- 120.00	100.00
18.227	18.227	(1.166)	70	129436				0.00- 62.83	12.35

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.227	18.227	(1.166)	100	762522			22.56- 122.56	72.75		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
22.789	22.789	(1.096)	174	502535	25.0000	27.530	80.00- 120.00	100.00		
22.789	22.789	(1.096)	95	782301			110.52- 210.52	155.67		
22.789	22.789	(1.096)	176	497198			45.11- 145.11	98.94		

11 Propylene										
						CAS #: 115-07-1				
5.840	5.840	(0.421)	41	3230451	200.000	186.00	80.00- 120.00	100.00		
5.840	5.840	(0.421)	42	2303619			18.28- 118.28	71.31		
5.840	5.840	(0.421)	39	2460356			23.47- 123.47	76.16		

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.950	5.950	(0.429)	85	9071979	200.000	197.83	80.00- 120.00	100.00		
5.950	5.950	(0.429)	87	2910166			0.00- 82.09	32.08		

16 Freon 114										
						CAS #: 76-14-2				
6.310	6.310	(0.454)	135	6858509	200.000	158.37	80.00- 120.00	100.00		
6.310	6.310	(0.454)	137	2157775			0.00- 84.11	31.46		

18 Chloromethane										
						CAS #: 74-87-3				
6.559	6.558	(0.472)	50	3610846	200.000	191.70	80.00- 120.00	100.00		
6.559	6.558	(0.472)	52	1145813			0.00- 83.72	31.73		

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.918	6.918	(0.498)	62	4623686	200.000	202.61	80.00- 120.00	100.00(A)		
6.918	6.918	(0.498)	64	1425971			0.00- 88.78	30.84		

22 1,3-Butadiene										
						CAS #: 106-99-0				
6.973	6.973	(0.502)	54	5061066	200.000	172.56	80.00- 120.00	100.00		
6.973	6.973	(0.502)	39	4685090			47.92- 147.92	92.57		

25 Bromomethane										
						CAS #: 74-83-9				
7.941	7.941	(0.572)	94	3420932	200.000	200.07	80.00- 120.00	100.00(A)		
7.941	7.941	(0.572)	96	3197182			44.35- 144.35	93.46		

27 Chloroethane										
						CAS #: 75-00-3				
8.218	8.217	(0.592)	64	2371978	200.000	197.74	80.00- 120.00	100.00		
8.218	8.217	(0.592)	49	763413			0.00- 79.32	32.18		
8.218	8.217	(0.592)	66	704650			0.00- 83.65	29.71		

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
8.798	8.798	(0.634)	101	13546488	200.000	189.41	80.00- 120.00	100.00		
8.798	8.798	(0.634)	103	8534043			13.74- 113.74	63.00		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
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38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	1954868	200.000	157.74	80.00- 120.00	100.00	
9.268	9.240	(0.667)	43	398600			0.00- 75.47	20.39	
9.268	9.268	(0.667)	46	721859			0.00- 89.98	36.93	

42 Freon 113						CAS #: 76-13-1			
9.960	9.959	(0.717)	151	9714874	200.000	185.38	80.00- 120.00	100.00	
9.960	9.959	(0.717)	153	6097487			13.42- 113.42	62.76	
9.960	9.959	(0.717)	101	13594972			90.80- 190.80	139.94	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.043	10.042	(0.723)	61	7945701	200.000	207.28	80.00- 120.00	100.00(A)	
10.070	10.070	(0.725)	96	3793907			0.00- 98.38	47.75	
10.070	10.070	(0.725)	98	2398400			0.00- 79.95	30.18	

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	2661864	200.000	185.90	80.00- 120.00	100.00	
10.208	10.208	(0.735)	43	8770392			257.67- 357.67	329.48	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	12259417	200.000	201.29	80.00- 120.00	100.00(A)	
10.402	10.402	(0.749)	43	2455300			0.00- 72.34	20.03	
10.402	10.402	(0.749)	59	452013			0.00- 54.25	3.69	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	11435939	200.000	200.74	80.00- 120.00	100.00(A)	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	2049799	200.000	201.69	80.00- 120.00	100.00(A)	
10.844	10.844	(0.781)	41	7297975			318.47- 418.47	356.03	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	5705933	200.000	184.24	80.00- 120.00	100.00	
11.121	11.121	(0.801)	84	3169781			4.45- 104.45	55.55	
11.121	11.121	(0.801)	51	1718068			0.00- 84.40	30.11	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	9420774	200.000	175.10	80.00- 120.00	100.00	
11.453	11.480	(0.825)	57	2678314			0.00- 79.52	28.43	
11.453	11.452	(0.825)	41	2603639			0.00- 84.80	27.64	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	4019919	200.000	186.23	80.00- 120.00	100.00	
11.563	11.563	(0.833)	61	7406978			134.98- 234.98	184.26	
11.563	11.563	(0.833)	98	2520421			10.75- 110.75	62.70	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
11.923	11.922	(0.859)	57	11617095	200.000	210.11	80.00- 120.00	100.00(A)	
11.923	11.922	(0.859)	43	7429868			15.98- 115.98	63.96	
11.923	11.922	(0.859)	86	1343462			0.00- 62.69	11.56	

69 Vinyl Acetate						CAS #: 108-05-4			
12.393	12.393	(0.892)	86	1045495	200.000	191.64	80.00- 120.00	100.00	
12.365	12.365	(0.890)	43	15394145			1361.23-1461.23	1472.43	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.393	12.393	(0.892)	63	9451032	200.000	205.61	80.00- 120.00	100.00(A)	
12.393	12.393	(0.892)	65	2874787			0.00- 81.15	30.42	

75 2-Butanone						CAS #: 78-93-3			
13.416	13.416	(0.966)	72	2045600	200.000	194.36	80.00- 120.00	100.00	
13.416	13.416	(0.966)	43	10758842			462.58- 562.58	525.95	
13.416	13.416	(0.966)	57	821443			0.00- 92.45	40.16	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.443	13.443	(0.968)	61	6114296	200.000	199.17	80.00- 120.00	100.00	
13.443	13.443	(0.968)	96	3620569			10.19- 110.19	59.21	
13.443	13.443	(0.968)	98	2304653			0.00- 87.73	37.69	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.886	13.886	(1.000)	42	5799792	200.000	209.20	80.00- 120.00	100.00(A)	
13.886	13.886	(1.000)	71	1825392			0.00- 80.74	31.47	
13.886	13.886	(1.000)	72	1929433			0.00- 85.37	33.27	

82 Chloroform						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	7304575	200.000	209.52	80.00- 120.00	100.00(A)	
13.969	13.969	(1.006)	85	4696946			13.19- 113.19	64.30	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.301	14.300	(1.030)	97	8394452	200.000	211.60	80.00- 120.00	100.00(A)	
14.301	14.300	(1.030)	99	5316728			13.39- 113.39	63.34	

85 Cyclohexane						CAS #: 110-82-7			
14.301	14.300	(1.030)	84	5813369	200.000	205.88	80.00- 120.00	100.00(A)	
14.301	14.300	(1.030)	56	9547034			112.15- 212.15	164.23	
14.301	14.300	(1.030)	41	5148546			37.02- 137.02	88.56	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.549	14.549	(1.048)	119	7038961	200.000	212.86	80.00- 120.00	100.00(A)	
14.549	14.549	(1.048)	117	7436303			54.86- 154.86	105.64	

91 Benzene						CAS #: 71-43-2			
14.992	14.964	(0.959)	78	10923901	200.000	211.42	80.00- 120.00	100.00(A)	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
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91 Benzene (continued)									
14.992	14.992	(0.959)	77	2343914			0.00- 74.31	21.46	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
14.881	14.881	(1.072)	57	25078013	200.000	213.77	80.00- 120.00	100.00(A)	
14.881	14.881	(1.072)	56	8481915			0.00- 82.88	33.82	
14.881	14.881	(1.072)	41	6622133			0.00- 79.52	26.41	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	5551768	200.000	202.11	80.00- 120.00	100.00(A)	
15.102	15.102	(0.966)	64	1690848			0.00- 82.31	30.46	

94 Heptane CAS #: 142-82-5									
15.213	15.213	(0.973)	71	3915778	200.000	200.59	80.00- 120.00	100.00(A)	
15.185	15.185	(0.972)	43	9170694			178.63- 278.63	234.20	
15.185	15.185	(0.972)	57	4714669			61.28- 161.28	120.40	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	4081587	200.000	200.08	80.00- 120.00	100.00(A)	
16.098	16.098	(1.030)	130	3440867			34.56- 134.56	84.30	
16.098	16.098	(1.030)	97	2613882			13.95- 113.95	64.04	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.568	16.568	(1.060)	63	4533446	200.000	197.30	80.00- 120.00	100.00	
16.568	16.568	(1.060)	62	3419313			22.68- 122.68	75.42	
16.568	16.568	(1.060)	41	3079102			14.82- 114.82	67.92	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	2562513	200.000	203.24	80.00- 120.00	100.00(A)	
16.706	16.706	(1.069)	58	2269420			37.83- 137.83	88.56	
16.706	16.706	(1.069)	57	774167			0.00- 80.68	30.21	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	7328732	200.000	211.99	80.00- 120.00	100.00(A)	
17.010	17.010	(1.088)	85	4661562			13.94- 113.94	63.61	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.784	17.784	(1.138)	75	5934234	200.000	206.82	80.00- 120.00	100.00(A)	
17.784	17.784	(1.138)	77	1858654			0.00- 81.37	31.32	
17.784	17.784	(1.138)	39	4292909			21.20- 121.20	72.34	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	4449192	200.000	215.46	80.00- 120.00	100.00(A)	
17.978	17.978	(1.150)	43	12114643			211.99- 311.99	272.29	
17.978	17.978	(1.150)	85	1457401			0.00- 83.31	32.76	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
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114 Toluene						CAS #: 108-88-3			
18.337	18.337	(1.173)	91	11563339	200.000	205.67	80.00- 120.00	100.00(A)	
18.337	18.337	(1.173)	92	7185756			14.39- 114.39	62.14	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	6395195	200.000	209.51	80.00- 120.00	100.00(A)	
18.780	18.780	(0.903)	77	2015743			0.00- 80.99	31.52	
18.780	18.780	(0.903)	39	4411314			17.76- 117.76	68.98	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.112	19.111	(0.919)	97	4211643	200.000	198.24	80.00- 120.00	100.00	
19.112	19.111	(0.919)	99	2605812			12.80- 112.80	61.87	
19.112	19.111	(0.919)	83	3749607			40.14- 140.14	89.03	

120 Tetrachloroethene						CAS #: 127-18-4			
19.277	19.277	(0.927)	166	4606555	200.000	195.29	80.00- 120.00	100.00	
19.277	19.277	(0.927)	129	3464438			26.94- 126.94	75.21	
19.277	19.277	(0.927)	131	3507086			27.85- 127.85	76.13	

121 2-Hexanone						CAS #: 591-78-6			
19.443	19.443	(0.935)	58	6153488	200.000	206.31	80.00- 120.00	100.00(A)	
19.443	19.443	(0.935)	43	12146380			145.68- 245.68	197.39	
19.443	19.443	(0.935)	100	807739			0.00- 63.81	13.13	

122 Dibromochloromethane						CAS #: 124-48-1			
19.803	19.803	(0.952)	129	6444063	200.000	213.98	80.00- 120.00	100.00(A)	
19.803	19.803	(0.952)	127	5018858			26.76- 126.76	77.88	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.079	20.079	(0.965)	107	6871981	200.000	203.07	80.00- 120.00	100.00(A)	
20.079	20.079	(0.965)	109	6342738			43.81- 143.81	92.30	

127 Chlorobenzene						CAS #: 108-90-7			
20.853	20.853	(1.003)	112	9065908	200.000	199.27	80.00- 120.00	100.00	
20.853	20.853	(1.003)	114	2861911			0.00- 81.67	31.57	
20.853	20.853	(1.003)	77	6153253			18.02- 118.02	67.87	

128 Ethyl Benzene						CAS #: 100-41-4			
20.936	20.964	(1.007)	106	4942319	200.000	205.39	80.00- 120.00	100.00(A)	
20.936	20.936	(1.007)	91	16203691			270.03- 370.03	327.86	

129 m,p-Xylene						CAS #: 108-38-3			
21.158	21.157	(1.017)	106	6286744	200.000	212.09	80.00- 120.00	100.00(A)	
21.158	21.157	(1.017)	91	12973613			161.94- 261.94	206.36	

130 o-Xylene						CAS #: 95-47-6			
21.849	21.849	(1.051)	106	5637330	200.000	207.74	80.00- 120.00	100.00(A)	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
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130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	12237240			165.30- 265.30	217.08	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	9625969	200.000	216.19	80.00- 120.00	100.00(A)	
21.876	21.876	(1.052)	78	5306432			4.53- 104.53	55.13	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	5921710	200.000	230.01	80.00- 120.00	100.00(A)	
22.291	22.291	(1.072)	171	3071877			2.09- 102.09	51.87	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	14433867	200.000	218.02	80.00- 120.00	100.00(A)	
22.429	22.429	(1.078)	120	3601953			0.00- 78.50	24.95	
22.429	22.429	(1.078)	51	2064986			0.00- 65.94	14.31	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	9305714	200.000	211.22	80.00- 120.00	100.00(A)	
23.010	23.010	(1.106)	85	5911818			13.84- 113.84	63.53	

142 Propylbenzene CAS #: 103-65-1									
23.121	23.120	(1.112)	91	18670625	200.000	223.23	80.00- 120.00	100.00(A)	
23.121	23.120	(1.112)	120	3747029			0.00- 69.31	20.07	
23.121	23.120	(1.112)	105	622981			0.00- 53.79	3.34	

145 4-Ethyltoluene CAS #: 622-96-8									
23.287	23.286	(1.120)	105	14863423	200.000	232.61	80.00- 120.00	100.00(A)	
23.287	23.286	(1.120)	120	4191855			0.00- 78.40	28.20	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	12077699	200.000	215.00	80.00- 120.00	100.00(A)	
23.397	23.397	(1.125)	120	5569978			0.00- 97.80	46.12	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	10702376	200.000	219.83	80.00- 120.00	100.00(A)	
24.033	24.033	(1.156)	120	4687363			0.00- 93.56	43.80	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	7172233	200.000	226.06	80.00- 120.00	100.00(A)	
24.586	24.586	(1.182)	148	4487598			13.27- 113.27	62.57	
24.586	24.586	(1.182)	111	2992608			0.00- 94.36	41.72	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	7075484	200.000	223.32	80.00- 120.00	100.00(A)	
24.752	24.752	(1.190)	148	4543937			12.89- 112.89	64.22	
24.724	24.724	(1.189)	111	2870521			0.00- 93.08	40.57	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
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159 alpha-Chlorotoluene							CAS #: 100-44-7		
24.946	24.945	(1.199)	91	11276866	200.000	257.05	80.00- 120.00	100.00(A)	
24.946	24.945	(1.199)	126	2022622			0.00- 68.80	17.94	

161 1,2-Dichlorobenzene							CAS #: 95-50-1		
25.360	25.360	(1.219)	146	6479252	200.000	225.57	80.00- 120.00	100.00(A)	
25.360	25.360	(1.219)	148	4054800			13.05- 113.05	62.58	
25.360	25.360	(1.219)	111	2786487			0.00- 94.07	43.01	

165 1,2,4-Trichlorobenzene							CAS #: 120-82-1		
28.153	28.153	(1.354)	180	2850521	200.000	229.64	80.00- 120.00	100.00(A)	
28.153	28.153	(1.354)	182	2697552			45.06- 145.06	94.63	

166 Hexachlorobutadiene							CAS #: 87-68-3		
28.319	28.319	(1.362)	225	3289060	200.000	220.18	80.00- 120.00	100.00(A)	
28.319	28.319	(1.362)	223	2067785			11.27- 111.27	62.87	

19 Butane							CAS #: 106-97-8		
6.808	6.807	(0.490)	58	1089157	200.000	155.96	80.00- 120.00	100.00	
6.808	6.807	(0.490)	43	8869012			752.21- 852.21	814.30	

29 Isopentane							CAS #: 78-78-4		
8.273	8.273	(0.596)	43	12023473	200.000	189.34	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	8099888			17.93- 117.93	67.37	

102 Methyl Cyclohexane							CAS #: 108-87-2		
16.374	16.374	(1.179)	83	6417707	200.000	213.01	80.00- 120.00	100.00(A)	
16.374	16.374	(1.179)	98	2692263			0.00- 96.41	41.95	
16.374	16.374	(1.179)	55	7163224			72.17- 172.17	111.62	

167 Naphthalene							CAS #: 91-20-3		
28.678	28.678	(1.379)	128	6919700	200.000	230.37	80.00- 120.00	100.00(A)	
28.678	28.678	(1.379)	127	844392			0.00- 64.01	12.20	

QC Flag Legend

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

Report Date: 08-Oct-2007 10:30

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t100508.d
 Lab Smp Id: ICAL Level 7
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: dm

Calibration Date: 05-OCT-2007
 Calibration Time: 15:51
 Client Smp ID: Calib
 Level: LOW
 Sample Type: AIR

Method File: /chem/msdt.i/05Oct2007.b/t14q005a.m

Misc Info: 200ppbv-200ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	243707	146224	341190	243728	0.01
97 1,4-Difluorobenze	1065114	639068	1491160	1038635	-2.49
126 Chlorobenzene-d5	943018	565811	1320225	943745	0.08

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

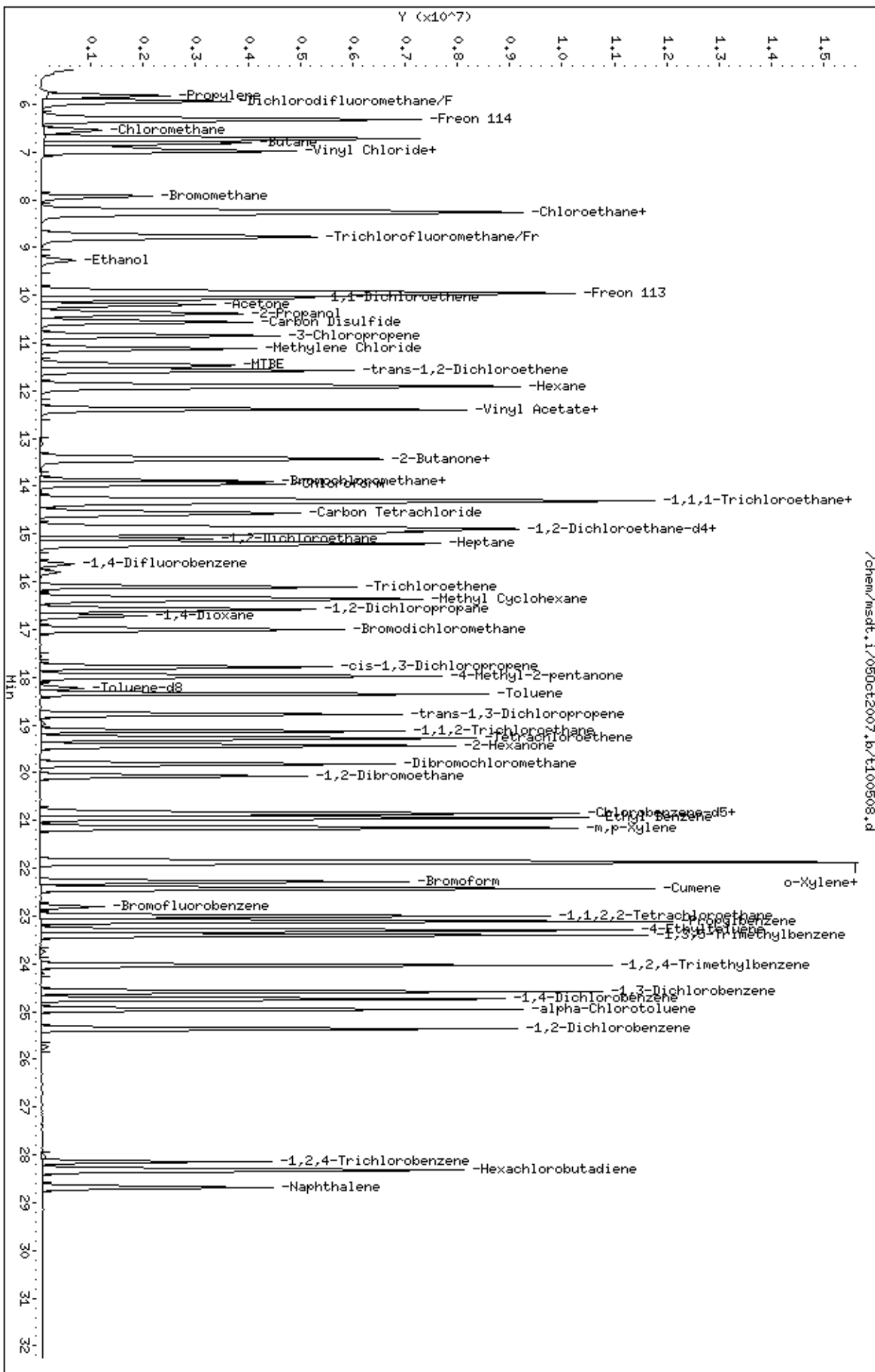
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/050ct2007,b/tl00508.d
Date: 05-OCT-2007 17:11
Client ID: Calib
Sample Info: 200mL #1576-26

Column phase: RTX-624

Instrument: msdt,i
Operator: dm
Column diameter: 0.53



Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
9 Freon 13	+++++	+++++	0.54601	0.54037	0.58386	+++++		0.52068	14.340
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
11 Propylene	+++++	+++++	1.04274	1.10709	1.03313	1.05428		1.05995	2.700
12 Dichlorodifluoromethane/Fr12	+++++	3.35058	3.44328	3.79202	3.46559	3.66041		3.54805	4.540
13 Freon 134a	+++++	+++++	0.90746	0.90526	0.93405	+++++		0.90530	2.693
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
15 Freon 152a	+++++	+++++	0.80941	0.76207	0.77701	+++++		0.76844	4.542
16 Freon 114	+++++	2.38488	2.47210	2.68230	2.42193	2.27842		2.35834	10.888
17 Freon 22	+++++	+++++	2.24127	2.18827	2.22407	+++++		2.21709	0.998

Air Toxics Ltd.

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 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
18 Chloromethane	200.000 1.15861	+++++	1.24709	1.18634	1.10218	1.10164		1.15917	5.287
19 Butane	0.29259	+++++	0.28890	0.30516	0.28710	0.28996		0.29274	2.467
20 Vinyl Chloride	1.66290	1.46137	1.63384	1.77486	1.69356	1.68257		1.65152	6.324
21 Isobutane	1.87959	+++++	2.10521	+++++	2.05922	+++++		2.01467	5.918
22 1,3-Butadiene	1.29883	1.08816	1.27276	1.32900	1.25704	1.26665		1.25207	6.743
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
25 Bromomethane	1.58819	1.27650	1.38238	1.55943	1.50678	1.55983		1.47885	8.339
26 Methanol	0.36619	+++++	0.71777	0.43600	0.40562	+++++		0.48140	33.268
27 Chloroethane	0.92567	0.57319	0.69744	0.87994	0.89279	0.90790		0.81282	17.693

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
29 Isopentane	+++++	+++++	1.80290	1.98411	1.94961	1.92667		1.92111	3.610
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	2.96767	3.29580	3.81046	3.70484	3.63428		3.50100	8.942
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.23957	2.20096	2.36697	+++++		2.26524	3.150
35 1-Pentene	+++++	+++++	1.47060	+++++	1.59451	+++++		1.51770	4.420
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
37 Pentane	+++++	+++++	2.29870	+++++	2.45050	+++++		2.34710	3.818

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 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
38 Ethanol	200.000 0.57642	+++++	0.50568	0.59192	0.57050	0.59504		0.56791	6.388
39 Ethyl Ether	0.74975	+++++	0.69753	+++++	0.81287	+++++		0.75339	7.666
40 Freon123a	1.31881	+++++	1.32730	1.31797	1.45283	+++++		1.35423	4.864
41 Freon123	2.33161	+++++	2.45821	2.49983	2.59895	+++++		2.47215	4.479
42 Freon 113	2.06640	1.66206	2.02134	2.36401	2.24032	2.14998		2.08402	11.545
43 1,1-Dichloroethene	2.38582	1.85214	2.24107	2.60634	2.48153	2.39602		2.32715	11.255
44 Acrolein	0.37449	+++++	0.36357	+++++	0.38969	+++++		0.37592	3.490
45 Acetone	0.83153	+++++	0.79562	0.87161	0.82486	0.81563		0.82785	3.377
46 2-Propanol	2.89530	+++++	2.28440	2.91953	2.83092	2.83796		2.75362	9.623
47 Carbon Disulfide	5.08246	3.99394	4.79374	5.61082	5.30056	5.16323		4.99079	11.160

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Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
48 Ethyl acrylate	+++++	+++++	0.06288	+++++	0.08378	+++++		
	0.08228						0.07632	15.275
49 Iodomethane	+++++	+++++	3.47868	+++++	4.19841	+++++		
	3.69363						3.79024	9.748
50 Methyl Methacrylate	+++++	+++++	0.57104	+++++	0.68760	+++++		
	0.67944						0.64603	10.072
51 3-Chloropropene	+++++	+++++	0.79697	1.00981	0.95481	0.92968		
	0.92581						0.92342	8.472
52 Acetonitrile	+++++	+++++	0.71657	+++++	0.83930	+++++		
	0.78334						0.77974	7.880
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 Methylene Chloride	+++++	1.61212	1.62053	1.86972	1.75354	1.74541		
	1.78353						1.73081	5.723
55 Cyclopentene	+++++	+++++	5.14267	+++++	5.42631	+++++		
	4.85435						5.14111	5.563
56 Cyclopentane	+++++	+++++	0.94289	+++++	1.02978	+++++		
	0.94094						0.97120	5.224
57 tert-Butyl-Alcohol	+++++	+++++	2.87870	2.84855	2.90656	+++++		
	1.70939						2.58580	22.614

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
60 MTBE	+++++	3.20350	3.58917	3.98817	3.22919	2.81964		3.24863	15.038
61 trans-1,2-Dichloroethene	+++++	1.48138	1.82364	2.09468	1.95801	1.87774		1.84200	11.116
62 Acrylonitrile	+++++	+++++	0.69632	+++++	0.84460	+++++		0.79043	10.351
63 2-Pentanone	+++++	+++++	1.00459	+++++	1.33949	+++++		1.22780	15.744
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
65 Hexane	+++++	2.33361	2.60310	3.00735	2.78713	2.76284		2.70747	8.290
66 1-Hexene	+++++	+++++	0.93342	+++++	0.94185	+++++		0.92401	2.596
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
68 Isopropyl ether	200.000 4.19561	+++++	4.51588	4.46522	4.65295	+++++		4.45741	4.301
69 Vinyl Acetate	0.42113	+++++	0.36646	0.45793	0.43730	0.43356		0.42328	8.129
70 1,1-Dichloroethane	2.92857	2.46669	2.87686	3.33767	3.14815	3.02417		2.96369	9.933
71 1-Propanol	0.31479	+++++	0.32306	0.29661	0.32766	+++++		0.31553	4.339
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
73 t-Butylethyl Ether	3.73238	+++++	3.86474	3.85596	4.09810	+++++		3.88780	3.927
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
75 2-Butanone	0.74866	0.51456	0.62005	0.81937	0.78237	0.76875		0.70896	16.501
76 cis-1,2-Dichloroethene	1.98357	1.42449	1.82068	2.21612	2.08706	2.03410		1.92767	14.445
77 Ethyl Acetate	0.41972	+++++	0.46395	0.43268	0.44458	+++++		0.44023	4.268

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 Curve Type : Average

Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	200.000							
	Level 7							
78 2,2-Dichloropropane	+++++	+++++	2.72784	+++++	2.94932	+++++		
	2.68641						2.78786	5.070
79 Methyl Acrylate	+++++	+++++	1.75987	+++++	2.31735	+++++		
	2.24584						2.10769	14.392
80 Tetrahydrofuran	+++++	0.99542	1.42427	1.78387	1.72148	1.69712		
	1.69830						1.55341	19.335
82 Chloroform	2.07496	2.04599	2.48761	2.95078	2.78479	2.66981		
	2.59723						2.51588	13.651
83 1,1,1-Trichloroethane	+++++	1.74551	2.12966	2.59505	2.44482	2.36099		
	2.29159						2.26127	13.108
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 Cyclohexane	+++++	1.29866	1.62603	1.91507	1.79050	1.73781		
	1.66665						1.67245	12.513
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 Carbon Tetrachloride	+++++	1.42398	1.79012	2.21901	2.13788	2.09463		
	2.07851						1.95736	15.276
88 1,1-Dichloropropene	+++++	+++++	0.34556	+++++	0.37176	+++++		
	0.31739						0.34490	7.884

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Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	200.000							
	Level 7							
89 2,2,4-Trimethylpentane	+++++	4.60236	5.30620	6.32437	6.00248	5.80839		
	5.70026						5.62401	10.723
91 Benzene	0.92725	0.86031	1.05969	1.23363	1.14960	1.09203		
	1.00963						1.04745	12.210
92 tert-amyl-Methyl Ether	+++++	+++++	2.71267	2.69608	2.90732	+++++		
	2.63266						2.73718	4.331
93 1,2-Dichloroethane	+++++	0.36224	0.42272	0.50991	0.47969	0.46565		
	0.43849						0.44645	11.516
94 Heptane	+++++	0.24995	0.32439	0.38551	0.35755	0.34490		
	0.31591						0.32970	14.031
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
96 2-Heptanone	+++++	+++++	1.56283	1.50474	1.77942	+++++		
	1.63184						1.61971	7.314
98 1-Butanol	+++++	+++++	0.18922	0.20429	0.26960	+++++		
	0.28563						0.23718	20.043
99 Isobutanol	+++++	+++++	0.02612	0.03261	0.02887	+++++		
	0.02986						0.02936	9.123
100 trans-1,4-dichloro-2-butene	+++++	+++++	0.34560	+++++	0.42168	+++++		
	0.39944						0.38891	10.058

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Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
101 Trichloroethene	+++++	0.35162	0.43238	0.50443	0.46997	0.44712		
	0.40782						0.43555	12.100
102 Methyl Cyclohexane	+++++	1.49783	1.76588	2.22156	2.08156	2.02697		
	1.96978						1.92726	13.383
103 Alphamethylstyrene	+++++	+++++	0.68962	+++++	0.78629	+++++		
	0.68068						0.71886	8.147
104 1,2-Dichloropropane	+++++	0.28811	0.36325	0.44269	0.41679	0.40350		
	0.37676						0.38185	14.127
105 Dibromomethane	+++++	+++++	0.51506	+++++	0.53501	+++++		
	0.45437						0.50148	8.374
106 1,4-Dioxane	+++++	+++++	0.21954	0.28211	0.27130	0.26490		
	0.25082						0.25774	9.377
107 Bromodichloromethane	+++++	0.44538	0.60702	0.77867	0.74559	0.71156		
	0.65505						0.65721	18.374
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.36455	0.47429	0.63237	0.60011	0.58254		
	0.53693						0.53180	18.551

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
111 4-Methyl-2-pentanone	+++++	0.20940	0.26674	0.34699	0.33167	0.33105			
	0.31522							0.30018	17.452
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
114 Toluene	+++++	0.82811	1.05991	1.26613	1.17246	1.11733			
	1.01340							1.07622	13.955
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.47132	0.61493	0.81709	0.80405	0.77783			
	0.74724							0.70541	19.248
117 1,1,2-Trichloroethane	+++++	0.40965	0.54716	0.62868	0.60257	0.57558			
	0.54221							0.55098	13.910
118 1,3-Dichloropropane	+++++	+++++	1.00954	+++++	1.03034	+++++			
	0.86168							0.96719	9.508
119 Butyl Acetate	+++++	+++++	0.33575	0.33946	0.37795	+++++			
	0.35511							0.35207	5.449
120 Tetrachloroethene	+++++	0.48051	0.61007	0.70771	0.66326	0.61222			
	0.55015							0.60399	13.353
121 2-Hexanone	+++++	+++++	0.46813	0.63913	0.63024	0.62942			
	0.61929							0.59724	12.142

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
122 Dibromochloromethane	+++++	0.46847	0.70236	0.91896	0.89226	0.84524			
	0.78725							0.76909	21.647
123 1,2-Dibromoethane	+++++	0.59410	0.81841	0.97532	0.92613	0.87863			
	0.81121							0.83397	15.977
124 Nonane	+++++	+++++	0.89147	+++++	0.96487	+++++			
	0.77825							0.87820	10.706
125 1,1,1,2-Tetrachloroethane	+++++	+++++	0.96332	+++++	0.87047	+++++			
	0.66874							0.83418	18.054
127 Chlorobenzene	+++++	0.91357	1.18087	1.29175	1.20520	1.14660			
	1.06330							1.13355	11.563
128 Ethyl Benzene	+++++	0.46156	0.59307	0.68468	0.63961	0.60839			
	0.56237							0.59162	12.877
129 m,p-Xylene	+++++	0.60390	0.78647	0.86055	0.80306	0.76237			
	0.70208							0.75307	11.893
130 o-Xylene	+++++	0.50335	0.67523	0.73363	0.67907	0.64462			
	0.57764							0.63559	12.974
131 Styrene	0.78740	0.82960	1.14758	1.27099	1.17960	1.10854			
	0.97963							1.04333	17.532
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++							+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
133 Bromoform	+++++	0.33083	0.53227	0.71523	0.69580	0.65598		
	0.58515						0.58588	24.337
134 Cumene	1.44558	1.27372	1.71566	1.79902	1.65540	1.60155		
	1.47853						1.56707	11.461
135 Cyclohexanone	+++++	+++++	0.48567	0.43527	0.49181	+++++		
	0.50623						0.47975	6.436
136 Bromobenzene	+++++	+++++	1.37130	+++++	1.06021	+++++		
	0.69930						1.04361	32.225
138 1,2,3-Trichloropropane	+++++	+++++	0.58528	+++++	0.48451	+++++		
	0.35919						0.47633	23.779
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	0.75575	1.09215	1.09789	1.05508	1.01877		
	0.93276						0.99207	13.163
141 2-Chlorotoluene	+++++	+++++	0.94988	+++++	0.79121	+++++		
	0.59904						0.78004	22.522
142 Propylbenzene	+++++	1.77474	2.28858	2.31821	2.17605	2.09942		
	1.91159						2.09476	10.241
143 4-Chlorotoluene	+++++	+++++	1.03143	+++++	0.86642	+++++		
	0.63814						0.84533	23.363

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
145 4-Ethyltoluene	+++++	1.56431	2.13152	2.06242	1.92574	1.87661		1.87462	11.573
146 Diisobutyl Ketone	+++++	+++++	1.33563	1.19386	1.13487	+++++		1.16358	12.303
147 1,3,5-Trimethylbenzene	+++++	1.17782	1.58103	1.53261	1.37893	1.34972		1.36915	12.181
148 tert-Butylbenzene	+++++	+++++	2.87095	+++++	2.14635	+++++		2.18569	30.492
149 sec-Butylbenzene	+++++	+++++	4.04307	+++++	2.94112	+++++		3.04528	31.196
150 1,2,4-Trimethylbenzene	+++++	1.13726	1.46046	1.44800	1.32474	1.32676		1.31536	9.918
151 bis(2-chloroethyl)ether	+++++	+++++	0.78240	+++++	0.87807	+++++		0.84163	6.149
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
153 p-Cymene	+++++	+++++	3.12282	+++++	2.37972	+++++		2.41030	28.948

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
154 1,2,3-Trimethylbenzene	+++++ 0.75742	+++++	1.17871	+++++	1.01068	+++++		0.98227	21.591
155 1,3-Dichlorobenzene	+++++ 0.83629	0.75596	0.99987	0.97292	0.94340	0.92876		0.90620	10.183
156 1,4-Dichlorobenzene	+++++ 0.85794	0.80399	1.02810	0.99418	0.97047	0.95598		0.93511	9.196
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
158 Butylbenzene	+++++ 0.51963	+++++	0.81645	+++++	0.67275	+++++		0.66961	22.168
159 alpha-Chlorotoluene	+++++ 1.43844	0.84532	1.20113	1.42650	1.45934	1.51959		1.31505	19.355
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
161 1,2-Dichlorobenzene	+++++ 0.78327	0.74085	0.91269	0.85892	0.84375	0.85313		0.83210	7.311
162 1,2-Dibromo-3-Chloropropane	+++++ 0.66416	+++++	0.80841	+++++	0.79997	+++++		0.75751	10.687
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	0.36007	0.22960	0.26424	0.33372		
	0.36820						0.31117	19.685
166 Hexachlorobutadiene	+++++	+++++	0.33707	0.19153	0.20091	0.22765		
	0.22801						0.23704	24.556
167 Naphthalene	+++++	+++++	0.73417	0.44366	0.53463	0.70034		
	0.81651						0.64586	23.627
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
201 Pentachloroethane	+++++	+++++	0.71319	+++++	0.60878	+++++		
	0.44193						0.58796	23.270

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 03-OCT-2007 11:54
 End Cal Date : 04-OCT-2007 14:38
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msd7.i/7-04oct.b/t14q003b.m
 Cal Date : 04-Oct-2007 15:07 ctaylor
 Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	Level 7	RRF	% RSD
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
\$ 90 1,2-Dichloroethane-d4	1.11802	1.12425	1.13103	1.15562	1.18658	1.18145		1.16495	4.212
\$ 113 Toluene-d8	0.86149	0.85360	0.86909	0.88096	0.87168	0.88498		0.87070	1.237
\$ 137 Bromofluorobenzene	0.49797	0.50274	0.50585	0.51259	0.52324	0.52567		0.51378	2.359

Calibration History

Method : /chem/msd7.i/7-04oct.b/t14q003b.m
Start Cal Date: 03-OCT-2007 11:54
End Cal Date : 04-OCT-2007 14:38

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
03-OCT-2007 11:54	AFCEElow	/chem/msd7.i/7-03octa.b/7100302.d
Cal Level: 2 , Cal Amount: 0.50000		
03-OCT-2007 12:33	AT04low+ENSR	/chem/msd7.i/7-03octa.b/7100303.d
Cal Level: 3 , Cal Amount: 2.00000		
04-OCT-2007 13:14	Sp19b	/chem/msd7.i/7-04oct.b/7100406.d
04-OCT-2007 10:38	sp16b	/chem/msd7.i/7-04oct.b/7100402.d
03-OCT-2007 18:51	sp22a	/chem/msd7.i/7-03oct.b/7100311.d
03-OCT-2007 13:32	AT04mdl+ENSR	/chem/msd7.i/7-03octa.b/7100304.d
Cal Level: 4 , Cal Amount: 25.00000		
03-OCT-2007 19:38	sp22a	/chem/msd7.i/7-03oct.b/7100312.d
03-OCT-2007 14:11	AT04mdl+ENSR	/chem/msd7.i/7-03octa.b/7100305.d
Cal Level: 5 , Cal Amount: 50.00000		
04-OCT-2007 14:00	Sp19b	/chem/msd7.i/7-04oct.b/7100407.d
04-OCT-2007 11:17	sp16b	/chem/msd7.i/7-04oct.b/7100403.d
03-OCT-2007 20:17	sp22a	/chem/msd7.i/7-03oct.b/7100313.d
03-OCT-2007 14:49	AT04mdl+ENSR	/chem/msd7.i/7-03octa.b/7100306.d
Cal Level: 6 , Cal Amount: 100.00000		
03-OCT-2007 15:33	AT04mdl+ENSR	/chem/msd7.i/7-03octa.b/7100307.d
Cal Level: 7 , Cal Amount: 200.00000		

04-OCT-2007 14:38	Sp19b	/chem/msd7.i/7-04oct.b/7100408.d
04-OCT-2007 11:56	sp16b	/chem/msd7.i/7-04oct.b/7100404.d
03-OCT-2007 20:55	sp22a	/chem/msd7.i/7-03oct.b/7100314.d
03-OCT-2007 16:13	AT04mdl+ENSR	/chem/msd7.i/7-03octa.b/7100308.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
04-OCT-2007 14:00	Sp19bCCV	/chem/msd7.i/7-04oct.b/7100407a.d
Ccal Level: 5 , Ccal Amount: 50.000		
04-OCT-2007 14:00	Sp19b	/chem/msd7.i/7-04oct.b/7100407.d
Ccal Level: 5 , Ccal Amount: 50.000		
04-OCT-2007 14:00	Sp19bCCV	/chem/msd7.i/7-04oct.b/7100407a.d
Ccal Level: 5 , Ccal Amount: 50.000		
04-OCT-2007 11:17	sp16bCCV	/chem/msd7.i/7-04oct.b/7100403a.d
Ccal Level: 5 , Ccal Amount: 50.000		
04-OCT-2007 11:17	sp16b	/chem/msd7.i/7-04oct.b/7100403.d

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	16.54
75	30.0 - 60.0% of mass 95	36.10
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.69
173	Less than 2.0% of mass 174	(0.58) ¹
174	Greater than 50.0% of mass 95	71.81
175	5.0 - 9.0% of mass 174	(7.03) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.47) ¹
177	5.0 - 9.0% of mass 176	(6.60) ²

BFB Injection Date: 10/3/07
 BFB Injection Time: 1132
 BFB File ID: 700301
 Tekmar Purge Flow: 3.1 x 10⁻⁵ ftm
 Vacuum: 3.1 x 10⁻⁵ ftm
 IS/S Std #: 1443-330
 Exp. Date: 12/26/07
 BCM: 558854
 1,4-DFB: 1930047
 CB-d5: 1418145
 Verified CCV IS vs ICAL mid-point (-40%BD) *PO*

Verify 176/174 m/z Ratio: $\frac{709291}{735274} \times 100 = 96.47\%$

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{Std}}} \times \text{Conc}_{\text{Std}} \times \text{RRF} = \frac{(663127)}{(558854)} \times (25) \times (1.16495) = 25.464$

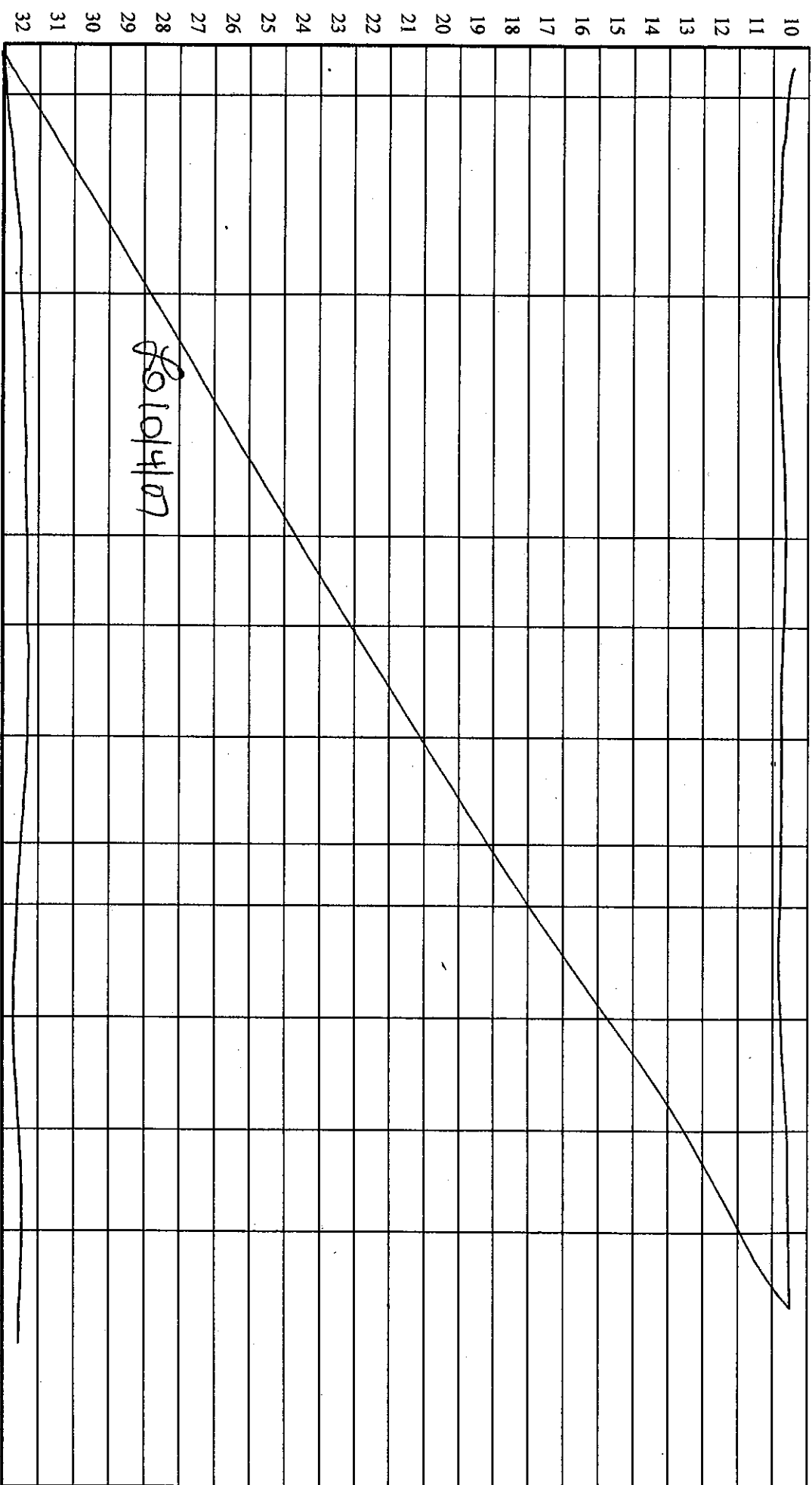
File ID: 7100306
 Compound: 1,2-DCA-d4
 Initials: *CT*

Reported Result: 25.464

Sample #	File #	Sample / Client Name	Can #	Pressure	Am't Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	7100301	BFB Tune Check	147-64	50mg	2ul	1.00	10/3/07	1132	CB	
2	02	ICAL Level 1	1576-21	200 ppb - 0.20ul	0.2ml	1	1154	1233	<i>ANHO</i>	414g08a
3	03			200 ppb - 0.5 ppb	0.5ml	1	1233		<i>PO</i>	
4	04			200 ppb - 2.0ul	2ml	1	1332		<i>PO</i>	
5	05			200 ppb - 2.5ppm	2.5ml	1	1411		<i>PO</i>	
6	06			200 ppb - 5.0ppb	5.0ml	1	1449		<i>PO</i>	
7	07			200 ppb - 100ppm	100ml	1	1533		<i>PO</i>	
8	08			200 ppb - 200ppm	200ml	1	1613		<i>PO</i>	
9										10/4/07

Signature: *Quana Derringer*

Date: 10/4/07



Comments: Flow Controller SN # AA99123141

Nominal: 23.6 mL/min

NIST Flowmeter # 200-7744

Actual: 25.0 mL/min

Exp 8/27/08

CB 10/3/07

Signature *Sandra Drenmya*

Date 10/4/07

@ Air Toxics Ltd.

MSD-7

Logbook #: 1594

ION ABUNDANCE CRITERIA % REL. ABUNDANCE

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	15.69
75	30.0 - 60.0% of mass 95	37.74
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.34
173	Less than 2.0% of mass 174	(0.53) ¹
174	Greater than 50.0% of mass 95	77.68
175	5.0 - 9.0% of mass 174	(9.17) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(97.82) ¹
177	5.0 - 9.0% of mass 176	(6.30) ²

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

Verify 176/174 m/z Ratio: $\frac{866226/885506 \times 100}{97.82} = 97.82$

NOAH Cart #: NA

File #: NA

File #: NA

BFB Injection Date: 10/3/07

BFB Injection Time: 17:37

BFB File ID: 7100309

Tekmar Purge Flow: 200 L/min

Vacuum: 200 mmHg

IS/S Std #: 1443-339 Exp. Date: 12/26/07

BCM: 623805

1,4-DFB: 200 L/min

CB-d5: 150 L/min

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \frac{\text{Conc}_{\text{std}}}{\text{Conc}_{\text{sample}}} = \frac{(730198)}{(623805)} \times \frac{(25)}{(1.16495)} = 25.120$

Reported Result: 25.120

File ID: 7100315

Compound: 1,2-DCA-d4

Initials: CT

%	File #	Sample / Client Name	Can #	Pressure	Ampl	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	7100309	BFB TUNE CHECK	146744	50mg	2.0wL	1.00	10/3/07	17:37	DM/80	
✓	10	System Blank	34190	Humid	200wL	1		1806	DM/80	
✓	11	ICAL level 3	146744	2.0ppm	2.0wL	1		1851	DM/80	
✓	12	ICAL level 4	146744	8.0ppm	8.0wL	1		1938	DM/80	
✓	13	ICAL level 5	146744	50ppm	50wL	1		2017	DM/80	CCV 9999
✓	14	ICAL level 7	146744	200ppm	200wL	1		2055	DM/80	
✓	15	CCV-1 (200ppm)	157621	50ppm	50wL	1		2152	DM/80	
✓	16	LCS-1 (200ppm)	149362	↓	↓	1		2243	DM/80	ICAL LCS
✓	17	Lab Blank	34190	Humid	200wL	1		2357	DM/80	Short list only

Signature: James Orumy

Date: 10/1/07

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	15.28
75	30.0 - 60.0% of mass 95	37.68
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.86
173	Less than 2.0% of mass 174	(0.46) ¹
174	Greater than 50.0% of mass 95	75.11
175	5.0 - 9.0% of mass 174	(7.13) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(97.23) ¹
177	5.0 - 9.0% of mass 176	(6.81) ²

¹ - value in parenthesis is % mass 174

² - value in parenthesis is % mass 176

BFB Injection Date: 10-4-07

BFB Injection Time: 10:16

BFB File ID: 7100401

Tekmar Purge Flow: 17.5 mL/min

Vacuum: 2.6 x 10⁻⁵

IS/S Std #: 1443-339 Exp. Date: 12/26/07

BCM

1,4-DFB

CB-d5

Verified CCV IS vs ICAL mid-point (-40%^d)

NOAH Cart #: N/A

File #: N/A

File ID: _____

Compound: 1,2-DCA-d1

Initials: _____

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{std}}} \times \text{Conc.}_{\text{std}}$

$\frac{2}{10-4-07} \times (1.16495) = 2$

Reported Result: 10-4-07 CF

#	File #	Sample/Client Name	Can #	Pressure	Ampl Loaded	DF	Date Analyzed	Time Analyzed	Review Init	Comments
1	7100401	BFB Tow Truck	1467-64	50 ng	2 µL	1.00	10-4-07	10:16	CF	single scan Apex scan
2	02	ICAL Level 3 (sample)	1483-370	2.0 ppbv	2.0 mL			10:38	CF	T148003b
3	03	ICAL Level 5		50 ppbv	50 mL			11:17	HTF/CF	4P16b CV
4	04	ICAL Level 7		200 ppbv	200 mL			11:56	HTF/CF	
5	05	Labo Blank	34190	Humid	200 mL			12:35	CF	
6	06	ICAL Level 3 (sample)	1443-354	2.0 ppbv	2.0 mL			13:14	CF	T144003b
7	07	ICAL Level 5		50 ppbv	50 mL			14:00	CF	4P14b CV
8	08	ICAL Level 7		200 ppbv	200 mL			14:38	CF	
9	09	Labo Blank	34190	Humid	200 mL				CF	

Signature: C Taylor

Date: 10-4-07

Team A

Date / Initial	10-4-07 GP
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	X

10-4-07 GP

Date / Initial	
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

Before

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 03-OCT-2007 20:55

- ** 81 Bromochlorometl
- ** 97 1,4-Difluorober
- ** 126 Chlorobenzene-
- + 5 Freon 143a
- + 6 Freon142b
- + 9 Freon 13
- + 13 Freon 134a
- + 15 Freon 152a
- + 17 Freon 22
- + 26 Methanol
- + 34 Dichlorofluoro
- + 40 Freon123a
- + 41 Freon123
- + 57 tert-Butyl-Alc
- + 68 Isopropyl ethe
- + 71 1-Propanol
- + 73 t-Butylethyl E
- + 77 Ethyl Acetate
- + 92 tert-nyl-Meth
- + 96 2-Heptanone
- + 98 1-Butanol
- + 99 Isobutanol
- + 119 Butyl Acetate
- + 135 Cyclohexanone
- + 146 Diisobutyl Ket

HP MS 7100314.d, Scan 34: 5.814 min. (SUB)

Reference Spectrum for Freon 22

Ion 51.00

6.0

Ion 67.00

6.0

Ion 85.00

6.0

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	5.448	680770	0.000	0.000	100	a	
	5.307	1655			0		
	5.842	140632			21		
2	5.814	15490423	0.000	0.000	100	a	
	5.842	1249330			8		
	5.842	140632			1		

7100314.d

Team A

cl 10/4/19

Date / Initial	10-4-07 GP
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

ARTS

File: Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 03-OCT-2007 20:55

- *+ 81 Bromochloromet
- *+ 97 1,4-Difluorobe
- *+ 126 Chlorobenzene-
- + 5 Freon 143a
- + 6 Freon142b
- + 9 Freon 13
- + 13 Freon 134a
- + 15 Freon 152a
- + 17 Freon 22**
- + 26 Methanol
- + 34 Dichlorofluoro
- + 40 Freon123a
- + 41 Freon123
- + 57 tert-Butyl-Alc
- + 68 Isopropyl eths
- + 71 1-Propanol
- + 73 t-Butylethyl E-
- + 77 Ethyl Acetate
- + 92 tert-amyl-Meth
- + 96 2-Heptanone
- + 98 1-Butanol
- + 99 Isobutanol
- + 119 Butyl Acetate
- + 135 Cyclohexanone
- + 146 Diisobutyl Ket

HP MS 7100314.d, Scan 34: 5.814 min. (SUB)

Reference Spectrum for Freon 22

Ion 51.00

Ion 67.00

Ion 85.00

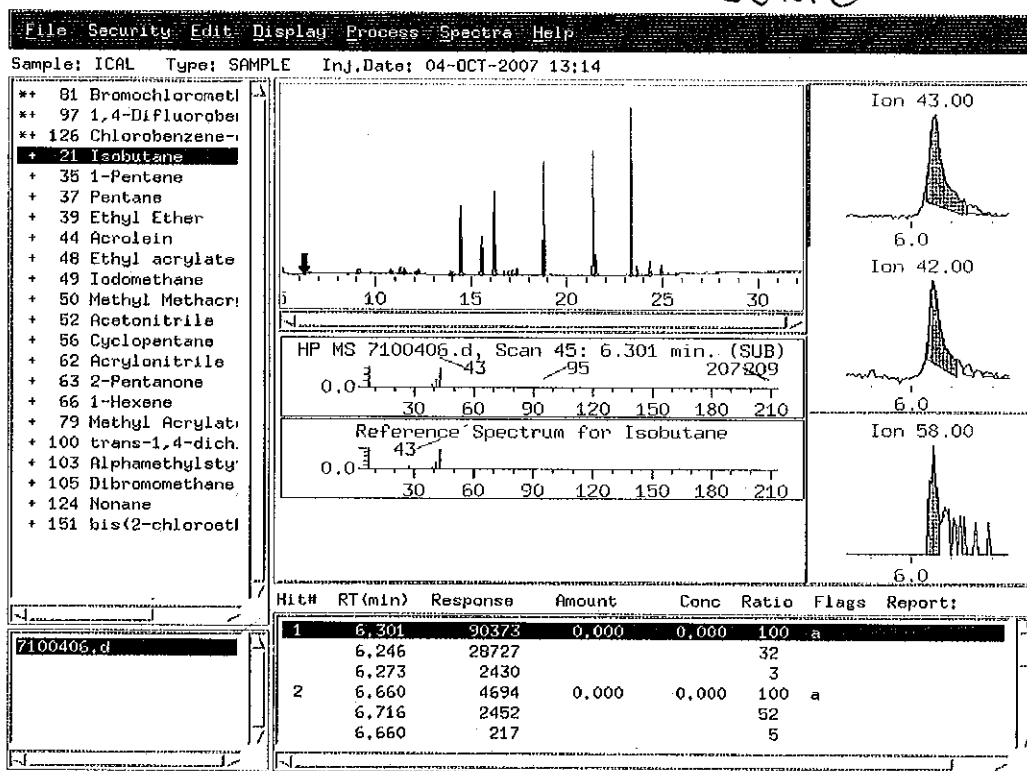
Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	5.814	1179939	0.000	0.000	100	AM	
	5.842	1249330			11		
	5.842	140632			1		

- Mark Freon 22 Undetected.

Team A

Date / Initial	10-4007 C.T.
Poor Integration	X
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

Before



Team A

Date / Initial	10-40825
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

NR
10/14/07

AFTER

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 04-OCT-2007 13:14

** 81 Bromochlorometl		Ion 43.00
** 97 1,4-Difluorober		6.0
** 126 Chlorobenzene-		Ion 42.00
+! 21 Isobutane		6.0
+ 35 1-Pentene		HP MS 7100406.d, Scan 45: 6.301 min. (SUB)
+ 37 Pentane		0.0 43 96 209
+ 39 Ethyl Ether		Reference Spectrum for Isobutane
+ 44 Acrolein		0.0 43
+ 48 Ethyl acrylate		Ion 58.00
+ 49 Iodomethane		6.0
+ 50 Methyl Methacr		
+ 52 Acetonitrile		
+ 56 Cyclopentane		
+ 62 Acrylonitrile		
+ 63 2-Pentanone		
+ 66 1-Hexene		
+ 79 Methyl Acrylat		
+ 100 trans-1,4-dich.		
+ 103 Alphanethylsty		
+ 105 Dibromomethane		
+ 124 Nonane		
+ 151 bis(2-chloroetl		

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.301	124720	0.000	0.000	100	al	
	6.246	28727			23		
	6.273	2430			2		

- Mark Isobutane Undetected.

Team A

Date / Initial	B-4-07 CF
Poor Integration	X
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

NK
10/4/07

Before

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 04-OCT-2007 14:00

- *+ 81 Bromochlorometl
- *+ 97 1,4-Difluorober
- *+ 126 Chlorobenzene-
- *+ 90 1,2-Dichloroetl
- *+ 113 Toluene-d8
- *+ 137 Bromofluoroben:
- + 21 Isobutane
- + 35 1-Pentene
- + 37 Pentane
- + 39 Ethyl Ether
- + 44 Acrolein
- + 48 Ethyl acrylate
- + 49 Iodomethane
- + 50 Methyl Methacr:
- + 52 Acetonitrile
- + 56 Cyclopentane
- + 62 Acrylonitrile
- + 63 2-Pentanone
- + 66 1-Hexene
- + 79 Methyl Acrylat:
- + 100 trans-1,4-dich.
- + 103 Alphanethylsty:
- + 105 Dibromomethane
- + 124 Nonane
- + 151 bis(2-chloroetl

HP MS 7100407.d, Scan 44: 6.274 min. (SUB)

Reference Spectrum for Isobutane

Ion 43.00

Ion 42.00

Ion 58.00

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.274	3046253	0.000	0.000	100	a	
	6.274	1055207			35		
	6.274	70383			2		

- Mark Isobutane Undetected.

Team A

Date / Initial	10-4-07 CS
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

After

Ne
10/4/07

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 04-OCT-2007 14:00

- ** 81 Bromochlorometl
- ** 97 1,4-Difluorober
- ** 126 Chlorobenzene-
- *+ 90 1,2-Dichloroetl
- ** 113 Toluene-d8
- ** 137 Bromofluoroben:
- *+ 21 Isobutane**
- + 36 1-Pentane
- + 37 Pentane
- + 39 Ethyl Ether
- + 44 Acrolein
- + 48 Ethyl acrylate
- + 49 Iodomethane
- + 50 Methyl Methacr:
- + 52 Acetonitrile
- + 56 Cyclopentane
- + 62 Acrylonitrile
- + 63 2-Pentanone
- + 66 1-Hexene
- + 79 Methyl Acrylat:
- + 100 trans-1,4-dich.
- + 103 Alphamethylsty
- + 105 Dibromomethane
- + 124 Nonane
- + 151 bis(2-chloroetl

HP MS 7100407.d, Scan 44: 6.274 min. (SUB)

Reference Spectrum for Isobutane

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.274	3209621	0.000	0.000	100	AM	
	6.274	1055207			33		
	6.274	70383			2		

- Mark Isobutane Undetected.

Team A

Date / Initial	10-10-07
Poor Integration	X
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

Before

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 04-OCT-2007 14:38

- ** 81 Bromochlorometl
- ** 97 1,4-Difluorobe
- ** 126 Chlorobenzene-
- + 21 Isobutane
- + 35 1-Pentene
- + 37 Pentane
- + 39 Ethyl Ether
- + 44 Acrolein
- + 48 Ethyl acrylate
- + 49 Iodomethane
- + 50 Methyl Methacr:
- + 52 Acetonitrile
- + 56 Cyclopentane
- + 62 Acrylonitrile
- + 63 2-Pentanone
- + 66 1-Hexene
- + 79 Methyl Acrylat:
- + 100 trans-1,4-dich.
- + 103 Alphamethylsty
- + 105 Dibromomethane
- + 124 Nonane
- + 151 bis(2-chlorostl
- Unk: Methane, bro
- Unk: Furan, 2,3-d.
- Unk: Unknown

HP MS 7100408.d, Scan 46: 6.329 min. (SUB)

Reference Spectrum for Isobutane

Ion 43.00

Ion 42.00

Ion 58.00

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.329	11462619	0.000	0.000	100	a	
	6.329	3975790			35		
	6.301	199853			2		

- Mark Isobutane Undetected.

Team A

Date / Initial	10-4-07 CP
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

After *Me* *10/4/07*

File Security Edit Display Process Spectra Help

Sample: ICAL Type: SAMPLE Inj.Date: 04-OCT-2007 14:38

- *+ 81 Bromochlorometl
- *+ 97 1,4-Difluorober
- *+ 126 Chlorobenzene-
- + 21 Isobutane**
- + 35 1-Pentene
- + 37 Pentane
- + 39 Ethyl Ether
- + 44 Acrolein
- + 48 Ethyl acrylate
- + 49 Iodomethane
- + 50 Methyl Methacr:
- + 52 Acetonitrile
- + 56 Cyclopentane
- + 62 Acrylonitrile
- + 63 2-Pentanone
- + 66 1-Hexene
- + 79 Methyl Acrylat:
- + 100 trans-1,4-dich.
- + 103 Alphamethylsty
- + 105 Dibromomethane
- + 124 Nonane
- + 151 bis(2-chloroetl
- Unk: Methane, bror
- Unk: Furan, 2,3-d.
- Unk: Unknown

HP MS 7100408.d, Scan 46: 6.329 min. (SUB)

Reference Spectrum for Isobutane

Ion 43.00

6.0

Ion 42.00

6.0

Ion 58.00

6.0

Hit#	RT (min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.329	11756037	0.000	0.000	100	all	
	6.329	3975790			34		
	6.301	199853			2		

- Mark Isobutane Undetected.

Initial Calibration Narrative

A seven point and four point initial calibration was analyzed on MSD-7 on 10-03-2007.:

The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration:

Chloroform, Benzene, Cumene and Styrene.

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

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

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

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

Report Date: 04-Oct-2007 09:20

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03oct.b/7100316.d
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Inj Date : 03-OCT-2007 22:43
 Operator : dm Inst ID: msd7.i
 Smp Info : 50mL #1443-302
 Misc Info : 200ppbv-50ppbv
 Comment :
 Method : /chem/msd7.i/7-03oct.b/t14q003a.m
 Meth Date : 04-Oct-2007 09:20 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 20:55 Cal File: 7100314.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.416	14.416 (1.000)	130	602771	25.0000		80.00-	120.00	100.00	
14.416	14.416 (1.000)	128	461652			27.06-	127.06	76.59	
14.416	14.416 (1.000)	49	1139457			136.80-	236.80	189.04	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.186	16.186 (1.000)	114	1987754	25.0000		80.00-	120.00	100.00	
16.186	16.186 (1.000)	88	306214			0.00-	65.72	15.41	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.356	21.356 (1.000)	117	1463163	25.0000		80.00-	120.00	100.00	
21.356	21.356 (1.000)	82	799710			4.63-	104.63	54.66	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.494	15.494 (1.075)	65	697496	24.8325	24.832	80.00-	120.00	100.00	
15.494	15.494 (1.075)	67	397936			5.39-	105.39	57.05	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.757	18.757 (1.159)	98	1717980	24.8158	24.816	80.00-	120.00	100.00	
18.757	18.757 (1.159)	70	191062			0.00-	60.57	11.12	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.757	18.757	(1.159)	100	1229048			20.85- 120.85	71.54
--------	--------	---------	-----	---------	--	--	---------------	-------

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.347	23.347	(1.093)	174	772332	25.6845	25.684	80.00- 120.00	100.00
23.319	23.319	(1.092)	95	1087127			88.87- 188.87	140.76
23.347	23.347	(1.093)	176	749880			46.01- 146.01	97.09

11 Propylene

CAS #: 115-07-1

5.645	5.617	(0.392)	41	1306830	51.1355	51.135	80.00- 120.00	100.00
5.645	5.617	(0.392)	42	916656			20.61- 120.61	70.14
5.645	5.617	(0.392)	39	956321			23.53- 123.53	73.18

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.758	5.758	(0.399)	85	4344090	50.7805	50.780	80.00- 120.00	100.00
5.758	5.758	(0.399)	87	1398451			0.00- 82.75	32.19

16 Freon 114

CAS #: 76-14-2

6.208	6.180	(0.431)	135	3073900	54.0594	54.059	80.00- 120.00	100.00
6.208	6.208	(0.431)	137	973192			0.00- 81.35	31.66

18 Chloromethane

CAS #: 74-87-3

6.518	6.518	(0.452)	50	1306953	46.7628	46.763	80.00- 120.00	100.00
6.546	6.518	(0.454)	52	442603			0.00- 84.99	33.87

20 Vinyl Chloride

CAS #: 75-01-4

6.884	6.884	(0.478)	62	2005793	50.3722	50.372	80.00- 120.00	100.00
6.884	6.884	(0.478)	64	637463			0.00- 86.07	31.78

22 1,3-Butadiene

CAS #: 106-99-0

6.969	6.940	(0.483)	54	1439415	47.6809	47.681	80.00- 120.00	100.00
6.969	6.940	(0.483)	39	1351312			41.31- 141.31	93.88

25 Bromomethane

CAS #: 74-83-9

8.067	8.039	(0.560)	94	1807453	50.6910	50.691	80.00- 120.00	100.00
8.067	8.039	(0.560)	96	1698633			43.99- 143.99	93.98

27 Chloroethane

CAS #: 75-00-3

8.377	8.377	(0.581)	64	1046396	53.3935	53.393	80.00- 120.00	100.00
8.377	8.377	(0.581)	49	244270			0.00- 73.75	23.34
8.377	8.377	(0.581)	66	333807			0.00- 84.49	31.90

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.968	8.968	(0.622)	101	4351661	51.5526	51.552	80.00- 120.00	100.00
8.968	8.968	(0.622)	103	2784237			14.64- 114.64	63.98

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPEV)	(PPEV)	(PPEV)		
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
38 Ethanol					CAS #: 64-17-5				
9.467	9.439	(0.657)	45	746478	54.5163	54.516	80.00-	120.00	100.00
9.467	9.439	(0.657)	43	143797			0.00-	68.72	19.26
9.467	9.439	(0.657)	46	278199			0.00-	87.77	37.27

42 Freon 113					CAS #: 76-13-1				
10.213	10.213	(0.708)	151	2953632	58.7817	58.782	80.00-	120.00	100.00
10.213	10.213	(0.708)	153	1885588			14.07-	114.07	63.84
10.213	10.213	(0.708)	101	3822597			78.37-	178.37	129.42

43 1,1-Dichloroethene					CAS #: 75-35-4				
10.352	10.352	(0.718)	61	3224279	57.4639	57.464	80.00-	120.00	100.00
10.352	10.352	(0.718)	96	2187384			18.56-	118.56	67.84
10.352	10.352	(0.718)	98	1393997			0.00-	93.18	43.23

45 Acetone					CAS #: 67-64-1				
10.517	10.517	(0.730)	58	986574	49.4273	49.427	80.00-	120.00	100.00
10.517	10.517	(0.730)	43	2685307			213.19-	313.19	272.19

46 2-Propanol					CAS #: 67-63-0				
10.683	10.683	(0.741)	45	3399930	51.2098	51.210	80.00-	120.00	100.00
10.683	10.683	(0.741)	43	783691			0.00-	93.27	23.05
10.711	10.683	(0.743)	59	141504			0.00-	54.21	4.16

47 Carbon Disulfide					CAS #: 75-15-0				
10.905	10.905	(0.756)	76	6268352	52.0921	52.092	80.00-	120.00	100.00

51 3-Chloropropene					CAS #: 107-05-1				
11.181	11.181	(0.776)	76	1114466	50.0561	50.056	80.00-	120.00	100.00
11.181	11.181	(0.776)	41	2592679			181.03-	281.03	232.64

54 Methylene Chloride					CAS #: 75-09-2				
11.485	11.485	(0.797)	49	2213825	53.0495	53.050	80.00-	120.00	100.00
11.485	11.485	(0.797)	84	1863576			37.68-	137.68	84.18
11.485	11.485	(0.797)	51	680913			0.00-	83.61	30.76

60 MTBE					CAS #: 1634-04-4				
11.817	11.817	(0.820)	73	4047470	51.6739	51.674	80.00-	120.00	100.00
11.817	11.817	(0.820)	57	897196			0.00-	71.50	22.17
11.817	11.817	(0.820)	41	794398			0.00-	72.07	19.63

61 trans-1,2-Dichloroethene					CAS #: 156-60-5				
11.955	11.955	(0.829)	96	2301774	51.8277	51.828	80.00-	120.00	100.00
11.955	11.955	(0.829)	61	3074082			80.98-	180.98	133.55
11.955	11.955	(0.829)	98	1472964			12.13-	112.13	63.99

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	ON-COL		FINAL	TARGET RANGE	RATIO	
				RESPONSE	(PPEV)	(PPBV)			
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
65 Hexane					CAS #: 110-54-3				
12.315	12.315	(0.854)	57	3263885	49.9987	49.999	80.00- 120.00	100.00	
12.315	12.315	(0.854)	43	1970404			10.63- 110.63	60.37	
12.315	12.315	(0.854)	86	537666			0.00- 65.99	16.47	

69 Vinyl Acetate					CAS #: 108-05-4				
12.812	12.812	(0.889)	86	525621	51.5032	51.503	80.00- 120.00	100.00	
12.812	12.812	(0.889)	43	5293904			961.24-1061.24	1007.17	

70 1,1-Dichloroethane					CAS #: 75-34-3				
12.840	12.840	(0.891)	63	3847669	53.8459	53.846	80.00- 120.00	100.00	
12.840	12.840	(0.891)	65	1220992			0.00- 81.91	31.73	

75 2-Butanone					CAS #: 78-93-3				
13.918	13.918	(0.965)	72	935966	54.7552	54.755	80.00- 120.00	100.00	
13.918	13.891	(0.965)	43	3639607			333.78- 433.78	388.86	
13.918	13.918	(0.965)	57	288720			0.00- 83.11	30.85	

76 cis-1,2-Dichloroethene					CAS #: 156-59-2				
13.946	13.946	(0.967)	61	2492617	53.6303	53.630	80.00- 120.00	100.00	
13.946	13.946	(0.967)	96	1989633			30.54- 130.54	79.82	
13.946	13.946	(0.967)	98	1269997			1.47- 101.47	50.95	

80 Tetrahydrofuran					CAS #: 109-99-9				
14.416	14.416	(1.000)	42	1991846	53.1811	53.181	80.00- 120.00	100.00	
14.416	14.416	(1.000)	71	796253			0.00- 90.68	39.98	
14.416	14.416	(1.000)	72	864331			0.00- 92.10	43.39	

82 Chloroform					CAS #: 67-66-3				
14.499	14.499	(1.006)	83	3369328	55.5445	55.544	80.00- 120.00	100.00	
14.499	14.499	(1.006)	85	2178568			14.60- 114.60	64.66	

83 1,1,1-Trichloroethane					CAS #: 71-55-6				
14.831	14.831	(1.029)	97	2917006	53.5023	53.502	80.00- 120.00	100.00	
14.858	14.831	(1.031)	99	1868797			14.57- 114.57	64.07	

85 Cyclohexane					CAS #: 110-82-7				
14.858	14.858	(1.031)	84	2067691	51.2766	51.277	80.00- 120.00	100.00	
14.858	14.858	(1.031)	56	2507157			68.50- 168.50	121.25	
14.858	14.858	(1.031)	41	1308565			12.38- 112.38	63.29	

87 Carbon Tetrachloride					CAS #: 56-23-5				
15.107	15.107	(1.048)	119	2549586	54.0241	54.024	80.00- 120.00	100.00	
15.107	15.107	(1.048)	117	2634835			53.89- 153.89	103.34	

89 2,2,4-Trimethylpentane					CAS #: 540-84-1				
15.411	15.411	(1.069)	57	6879164	50.7315	50.731	80.00- 120.00	100.00	

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
15.411	15.411	(1.069)	56	2324132			0.00- 84.63	33.79
15.411	15.411	(1.069)	41	1677388			0.00- 74.25	24.38

91 Benzene CAS #: 71-43-2								
15.522	15.522	(0.959)	78	4653936	55.8811	55.881	80.00- 120.00	100.00
15.522	15.522	(0.959)	77	1002973			0.00- 73.41	21.55

93 1,2-Dichloroethane CAS #: 107-06-2								
15.633	15.633	(0.966)	62	1997941	56.2841	56.284	80.00- 120.00	100.00
15.633	15.633	(0.966)	64	645027			0.00- 82.78	32.28

94 Heptane CAS #: 142-82-5								
15.743	15.743	(0.973)	71	1452539	55.4095	55.409	80.00- 120.00	100.00
15.743	15.743	(0.973)	43	2621593			136.07- 236.07	180.48
15.743	15.716	(0.973)	57	1429480			52.56- 152.56	98.41

101 Trichloroethene CAS #: 79-01-6								
16.656	16.656	(1.029)	95	1891921	54.6308	54.631	80.00- 120.00	100.00
16.656	16.656	(1.029)	130	1808832			47.05- 147.05	95.61
16.656	16.656	(1.029)	97	1214216			14.60- 114.60	64.18

104 1,2-Dichloropropane CAS #: 78-87-5								
17.126	17.126	(1.058)	63	1655973	54.5429	54.543	80.00- 120.00	100.00
17.126	17.126	(1.058)	62	1206141			22.66- 122.66	72.84
17.126	17.126	(1.058)	41	902149			3.78- 103.78	54.48

106 1,4-Dioxane CAS #: 123-91-1								
17.264	17.264	(1.067)	88	1096652	53.5146	53.514	80.00- 120.00	100.00
17.264	17.264	(1.067)	58	742258			18.19- 118.19	67.68
17.264	17.264	(1.067)	57	236321			0.00- 71.64	21.55

107 Bromodichloromethane CAS #: 75-27-4								
17.568	17.568	(1.085)	83	3094917	59.2273	59.227	80.00- 120.00	100.00
17.568	17.568	(1.085)	85	1976003			14.38- 114.38	63.85

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
18.342	18.342	(1.133)	75	2410780	57.0149	57.015	80.00- 120.00	100.00
18.342	18.342	(1.133)	77	779736			0.00- 82.31	32.34
18.342	18.342	(1.133)	39	1234065			0.00- 99.99	51.19

111 4-Methyl-2-pentanone CAS #: 108-10-1								
18.508	18.508	(1.143)	58	1354793	56.7637	56.764	80.00- 120.00	100.00
18.508	18.508	(1.143)	43	3278437			191.34- 291.34	241.99
18.508	18.508	(1.143)	85	541363			0.00- 90.12	39.96

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114	Toluene					CAS #: 108-88-3			
18.895	18.895	(1.167)	91	4842873	56.5950	56.595	80.00- 120.00	100.00	
18.895	18.895	(1.167)	92	3112494			14.54- 114.54	64.27	

116	trans-1,3-Dichloropropene					CAS #: 10061-02-6			
19.310	19.310	(0.904)	75	2401882	58.1777	58.178	80.00- 120.00	100.00	
19.310	19.310	(0.904)	77	773476			0.00- 82.35	32.20	
19.310	19.310	(0.904)	39	1177247			0.00- 98.46	49.01	

117	1,1,2-Trichloroethane					CAS #: 79-00-5			
19.669	19.669	(0.921)	97	1765857	54.7609	54.761	80.00- 120.00	100.00	
19.669	19.669	(0.921)	99	1118680			12.80- 112.80	63.35	
19.669	19.669	(0.921)	83	1503015			34.94- 134.94	85.12	

120	Tetrachloroethene					CAS #: 127-18-4			
19.835	19.835	(0.929)	166	1993782	56.4024	56.402	80.00- 120.00	100.00	
19.835	19.835	(0.929)	129	1488478			23.55- 123.55	74.66	
19.835	19.835	(0.929)	131	1433971			20.96- 120.96	71.92	

121	2-Hexanone					CAS #: 591-78-6			
19.974	19.974	(0.935)	58	1872773	53.5776	53.578	80.00- 120.00	100.00	
19.974	19.974	(0.935)	43	3276359			125.76- 225.76	174.95	
19.974	19.974	(0.935)	100	327577			0.00- 67.82	17.49	

122	Dibromochloromethane					CAS #: 124-48-1			
20.361	20.361	(0.953)	129	2686637	59.6869	59.687	80.00- 120.00	100.00	
20.361	20.361	(0.953)	127	2080040			27.17- 127.17	77.42	

123	1,2-Dibromoethane					CAS #: 106-93-4			
20.637	20.637	(0.966)	107	2669564	54.6939	54.694	80.00- 120.00	100.00	
20.637	20.637	(0.966)	109	2510332			44.30- 144.30	94.04	

127	Chlorobenzene					CAS #: 108-90-7			
21.411	21.411	(1.003)	112	3503579	52.8104	52.810	80.00- 120.00	100.00	
21.411	21.411	(1.003)	114	1119236			0.00- 81.95	31.95	
21.411	21.411	(1.003)	77	2537239			22.63- 122.63	72.42	

128	Ethyl Benzene					CAS #: 100-41-4			
21.494	21.494	(1.006)	106	1831064	52.8824	52.882	80.00- 120.00	100.00	
21.494	21.494	(1.006)	91	5603153			256.06- 356.06	306.01	

129	m,p-Xylene					CAS #: 108-38-3			
21.688	21.688	(1.016)	106	2307593	52.3564	52.356	80.00- 120.00	100.00	
21.688	21.688	(1.016)	91	4389044			136.94- 236.94	190.20	

130	o-Xylene					CAS #: 95-47-6			
22.379	22.379	(1.048)	106	1988543	53.4572	53.457	80.00- 120.00	100.00	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPEV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
22.379	22.379	(1.048)	91	3966051				149.53- 249.53	199.45

131 Styrene CAS #: 100-42-5									
22.434	22.434	(1.050)	104	3385561	55.4440	55.444		80.00- 120.00	100.00
22.407	22.407	(1.049)	78	1603722				0.00- 98.14	47.37

133 Bromoform CAS #: 75-25-2									
22.821	22.821	(1.069)	173	2162224	63.0583	63.058		80.00- 120.00	100.00
22.821	22.821	(1.069)	171	1113646				1.33- 101.33	51.50

134 Cumene CAS #: 98-82-8									
22.960	22.960	(1.075)	105	5005546	54.5772	54.577		80.00- 120.00	100.00
22.960	22.960	(1.075)	120	1383401				0.00- 79.63	27.64
22.960	22.960	(1.075)	51	485844				0.00- 61.53	9.71

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.540	23.540	(1.102)	83	3077021	52.9952	52.995		80.00- 120.00	100.00
23.540	23.540	(1.102)	85	1981813				14.25- 114.25	64.41

142 Propylbenzene CAS #: 103-65-1									
23.651	23.651	(1.107)	91	6508773	53.0898	53.090		80.00- 120.00	100.00
23.651	23.651	(1.107)	120	1469794				0.00- 73.30	22.58
23.651	23.651	(1.107)	105	231120				0.00- 53.98	3.55

145 4-Ethyltoluene CAS #: 622-96-8									
23.817	23.817	(1.115)	105	5312106	48.4174	48.417		80.00- 120.00	100.00
23.817	23.817	(1.115)	120	1695962				0.00- 82.19	31.93

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.927	23.927	(1.120)	105	4325132	53.9752	53.975		80.00- 120.00	100.00
23.927	23.927	(1.120)	120	2231034				3.49- 103.49	51.58

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.563	24.563	(1.150)	105	3972966	51.6082	51.608		80.00- 120.00	100.00
24.563	24.563	(1.150)	120	1957259				0.00- 98.61	49.26

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.144	25.144	(1.177)	146	2837102	53.4932	53.493		80.00- 120.00	100.00
25.144	25.144	(1.177)	148	1795958				12.94- 112.94	63.30
25.116	25.116	(1.176)	111	1130905				0.00- 90.50	39.86

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.282	25.282	(1.184)	146	2865501	52.3583	52.358		80.00- 120.00	100.00
25.282	25.282	(1.184)	148	1816342				13.07- 113.07	63.39
25.282	25.282	(1.184)	111	1088727				0.00- 88.75	37.99

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene						CAS #: 100-44-7			
25.476	25.476	(1.193)	91	4455203	57.8857	57.886	80.00- 120.00	100.00	
25.503	25.503	(1.194)	126	936175			0.00- 71.09	21.01	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.918	25.918	(1.214)	146	2520379	51.7532	51.753	80.00- 120.00	100.00	
25.918	25.918	(1.214)	148	1603706			13.85- 113.85	63.63	
25.918	25.918	(1.214)	111	1031124			0.00- 90.95	40.91	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.821	28.821	(1.350)	180	825438	45.3249	45.325	80.00- 120.00	100.00	
28.821	28.821	(1.350)	182	786926			45.84- 145.84	95.33	

166 Hexachlorobutadiene						CAS #: 87-68-3			
29.015	29.015	(1.359)	225	606222	43.6983	43.698	80.00- 120.00	100.00	
29.015	29.015	(1.359)	223	384595			13.74- 113.74	63.44	

29 Isopentane						CAS #: 78-78-4			
8.377	8.377	(0.581)	43	2210179	47.7158	47.716	80.00- 120.00	100.00	
8.405	8.377	(0.583)	57	1563271			22.21- 122.21	70.73	

19 Butane						CAS #: 106-97-8			
6.771	6.771	(0.470)	58	351056	49.7369	49.737	80.00- 120.00	100.00	
6.771	6.771	(0.470)	43	2606630			713.56- 813.56	742.51	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.932	16.932	(1.175)	83	2400064	51.6498	51.650	80.00- 120.00	100.00	
16.932	16.932	(1.175)	98	1090339			0.00- 97.05	45.43	
16.904	16.904	(1.173)	55	1979093			36.33- 136.33	82.46	

167 Naphthalene						CAS #: 91-20-3			
29.374	29.374	(1.375)	128	1531306	40.5106	40.510	80.00- 120.00	100.00	
29.374	29.374	(1.375)	127	178370			0.00- 61.83	11.65	

Report Date: 04-Oct-2007 09:20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100316.d

Calibration Time: 21:52

Lab Smp Id: lcs-1

Client Smp ID: lcs-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03oct.b/t14q003a.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	623805	374283	873327	602771	-3.37
97 1,4-Difluorobenze	2066060	1239636	2892484	1987754	-3.79
126 Chlorobenzene-d5	1508499	905099	2111899	1463163	-3.01

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.42	14.09	14.75	14.42	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-03oct
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Level: LOW Operator: dm
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msd7.i/7-03oct.b/t14q003a.m
 Misc Info: 200ppbv-50ppbv

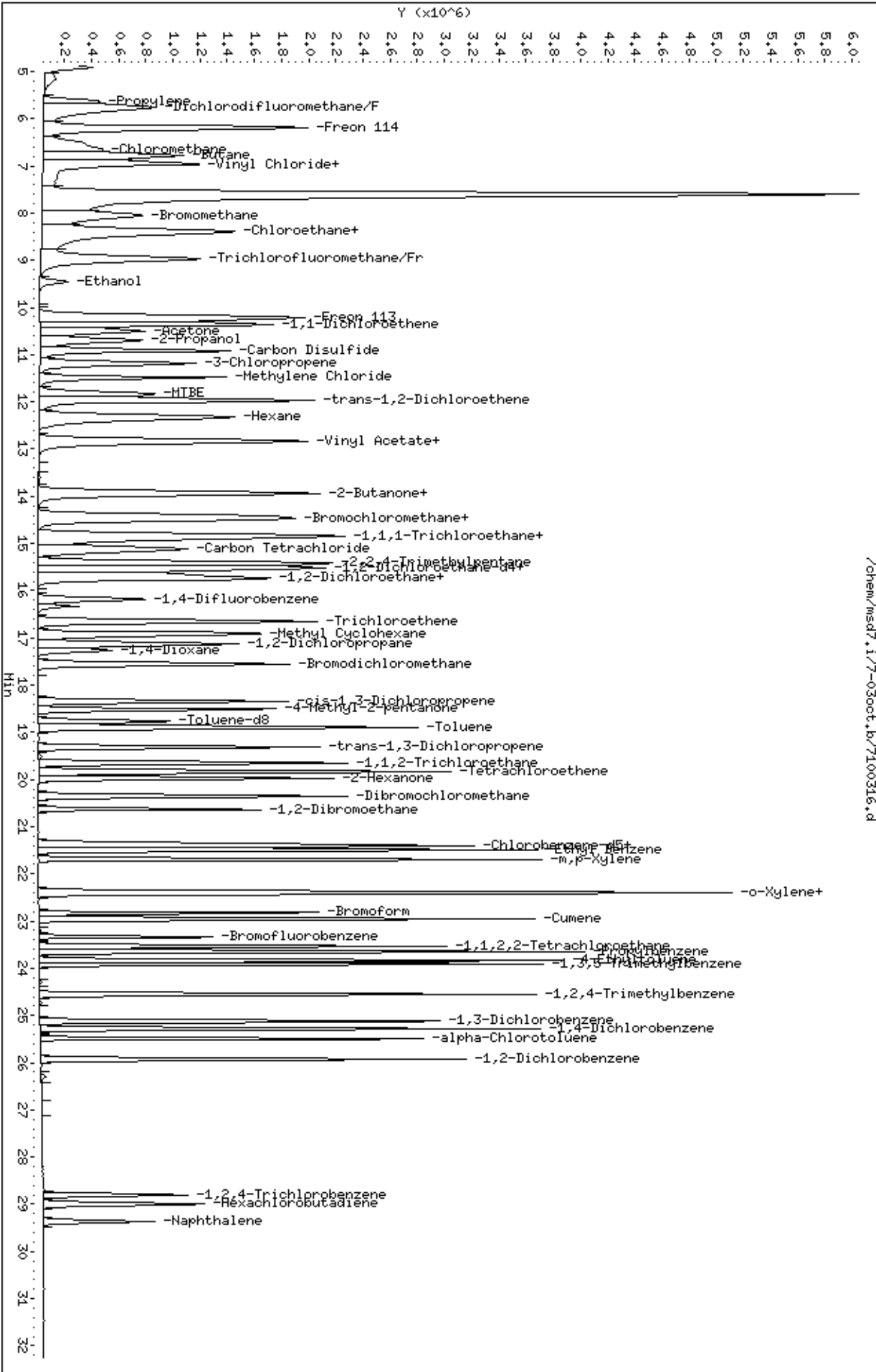
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	50.780	101.56	70-130
16 Freon 114	50.000	54.059	108.12	70-130
18 Chloromethane	50.000	46.763	93.53	70-130
20 Vinyl Chloride	50.000	50.372	100.74	70-130
22 1,3-Butadiene	50.000	47.681	95.36	60-140
25 Bromomethane	50.000	50.691	101.38	70-130
27 Chloroethane	50.000	53.393	106.79	70-130
31 Trichlorofluoromet	50.000	51.552	103.11	70-130
38 Ethanol	50.000	54.516	109.03	60-140
42 Freon 113	50.000	58.782	117.56	70-130
43 1,1-Dichloroethene	50.000	57.464	114.93	70-130
45 Acetone	50.000	49.427	98.85	60-140
47 Carbon Disulfide	50.000	52.092	104.18	60-140
46 2-Propanol	50.000	51.210	102.42	60-140
54 Methylene Chloride	50.000	53.050	106.10	70-130
60 MTBE	50.000	51.674	103.35	60-140
61 trans-1,2-Dichloro	50.000	51.828	103.66	60-140
65 Hexane	50.000	49.999	100.00	60-140
69 Vinyl Acetate	50.000	51.503	103.01	60-140
70 1,1-Dichloroethane	50.000	53.846	107.69	70-130
76 cis-1,2-Dichloroet	50.000	53.630	107.26	70-130
75 2-Butanone	50.000	54.755	109.51	60-140
80 Tetrahydrofuran	50.000	53.181	106.36	60-140
82 Chloroform	50.000	55.544	111.09	70-130
85 Cyclohexane	50.000	51.277	102.55	60-140
83 1,1,1-Trichloroeth	50.000	53.502	107.00	70-130
87 Carbon Tetrachlori	50.000	54.024	108.05	70-130
91 Benzene	50.000	55.881	111.76	70-130
93 1,2-Dichloroethane	50.000	56.284	112.57	70-130
94 Heptane	50.000	55.409	110.82	60-140
101 Trichloroethene	50.000	54.631	109.26	70-130
104 1,2-Dichloropropan	50.000	54.543	109.09	70-130
106 1,4-Dioxane	50.000	53.514	107.03	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	59.227	118.45	60-140
110 cis-1,3-Dichloropr	50.000	57.015	114.03	70-130
111 4-Methyl-2-pentano	50.000	56.764	113.53	60-140
114 Toluene	50.000	56.595	113.19	70-130
116 trans-1,3-Dichloro	50.000	58.178	116.36	70-130
117 1,1,2-Trichloroeth	50.000	54.761	109.52	70-130
120 Tetrachloroethene	50.000	56.402	112.80	70-130
121 2-Hexanone	50.000	53.578	107.16	60-140
122 Dibromochlorometha	50.000	59.687	119.37	60-140
123 1,2-Dibromoethane	50.000	54.694	109.39	70-130
127 Chlorobenzene	50.000	52.810	105.62	70-130
128 Ethyl Benzene	50.000	52.882	105.76	70-130
129 m,p-Xylene	50.000	52.356	104.71	70-130
130 o-Xylene	50.000	53.457	106.91	70-130
131 Styrene	50.000	55.444	110.89	70-130
133 Bromoform	50.000	63.058	126.12	60-140
140 1,1,2,2-Tetrachlor	50.000	52.995	105.99	70-130
145 4-Ethyltoluene	50.000	48.417	96.83	60-140
147 1,3,5-Trimethylben	50.000	53.975	107.95	70-130
150 1,2,4-Trimethylben	50.000	51.608	103.22	70-130
155 1,3-Dichlorobenzen	50.000	53.493	106.99	70-130
156 1,4-Dichlorobenzen	50.000	52.358	104.72	70-130
159 alpha-Chlorotoluen	50.000	57.886	115.77	70-130
161 1,2-Dichlorobenzen	50.000	51.753	103.51	70-130
165 1,2,4-Trichloroben	50.000	45.325	90.65	70-130
166 Hexachlorobutadien	50.000	43.698	87.40	70-130
142 Propylbenzene	50.000	53.090	106.18	60-140
134 Cumene	50.000	54.577	109.15	60-140
51 3-Chloropropene	50.000	50.056	100.11	60-140
89 2,2,4-Trimethylpen	50.000	50.731	101.46	60-140
29 Isopentane	50.000	47.716	95.43	70-130
19 Butane	50.000	49.737	99.47	70-130
102 Methyl Cyclohexane	50.000	51.650	103.30	70-130
11 Propylene	50.000	51.135	102.27	60-140
167 Naphthalene	50.000	40.510	81.02	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.832	99.33	70-130
\$ 113 Toluene-d8	25.000	24.816	99.26	70-130
\$ 137 Bromofluorobenzene	25.000	25.684	102.74	70-130

Column phase: RTX-624

Instrument: msd7.i
Operator: dm
Column diameter: 0.53



Report Date: 04-Oct-2007 08:14

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100302.d
 Lab Smp Id: ICAL Client Smp ID: Level 1
 Inj Date : 03-OCT-2007 11:54
 Operator : cb Inst ID: msd7.i
 Smp Info : 0.2mL #1576-21
 Misc Info : 200ppbv --> 0.2ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:14 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 11:54 Cal File: 7100302.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									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	485672	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	379146				28.07- 128.07	78.07
14.402	14.402	(1.000)	49	734487				101.23- 201.23	151.23

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1676867	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	254198				0.00- 65.16	15.16

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1218888	25.0000			50.00- 150.00	100.00
21.342	21.342	(1.000)	82	653576				3.62- 103.62	53.62

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	542992	25.0000	25.000		50.00- 150.00	100.00
15.508	15.508	(1.075)	67	289026				3.23- 103.23	53.23

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1444599	25.0000	25.000		50.00- 150.00	100.00
18.771	18.771	(1.161)	70	148334				0.00- 60.27	10.27

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.771	18.771	(1.161)	100	1022459			20.78- 120.78	70.78		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
23.333	23.333	(1.092)	174	606970	25.0000	25.000	50.00- 150.00	100.00		
23.333	23.333	(1.092)	95	889948			96.62- 196.62	146.62		
23.333	23.333	(1.092)	176	585573			46.47- 146.47	96.47		

82 Chloroform										
						CAS #: 67-66-3				
14.485	14.485	(1.004)	83	8062	0.20000	0.2000	50.00- 150.00	100.00(a)		
14.485	14.485	(1.004)	85	4899			10.77- 110.77	60.77		

91 Benzene										
						CAS #: 71-43-2				
15.536	15.536	(0.961)	78	12439	0.20000	0.2000	50.00- 150.00	100.00(a)		
15.536	15.536	(0.961)	77	4028			0.00- 82.38	32.38		

131 Styrene										
						CAS #: 100-42-5				
22.421	22.421	(1.049)	104	7678	0.20000	0.2000	50.00- 150.00	100.00(a)		
22.421	22.421	(1.049)	78	6426			33.69- 133.69	83.69		

134 Cumene										
						CAS #: 98-82-8				
22.974	22.974	(1.075)	105	14096	0.20000	0.2000	50.00- 150.00	100.00(a)		
22.974	22.974	(1.075)	120	5441			0.00- 88.60	38.60		
22.946	22.946	(1.074)	51	2715			0.00- 69.26	19.26		

QC Flag Legend

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

Report Date: 04-Oct-2007 08:14

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100302.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 0.2ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	485672	-13.10
97 1,4-Difluorobenze	1930047	1158028	2702066	1676867	-13.12
126 Chlorobenzene-d5	1418145	850887	1985403	1218888	-14.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-03octa.b/7100302.d

Date : 03-OCT-2007 11:54

Client ID: Level 1

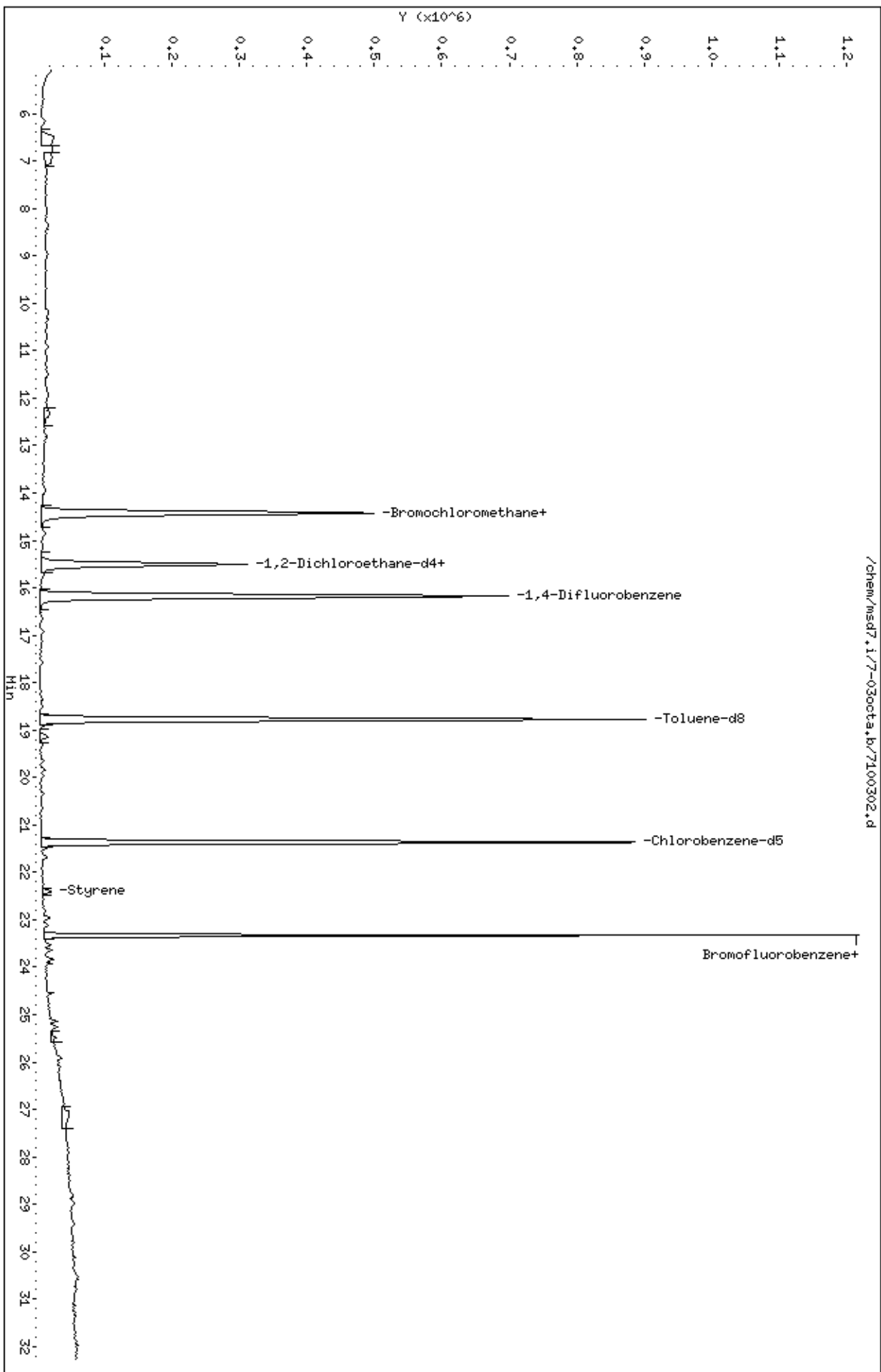
Sample Info: 0.2mL #1576-21

Column phase: RTX-624

Instrument: msd7.1

Operator: cb

Column diameter: 0.53



Report Date: 04-Oct-2007 08:14

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100303.d
 Lab Smp Id: ICAL Client Smp ID: Level 2
 Inj Date : 03-OCT-2007 12:33
 Operator : cb Inst ID: msd7.i
 Smp Info : 0.5mL #1576-21
 Misc Info : 200ppbv --> 0.5ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:14 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 12:33 Cal File: 7100303.d
 Als bottle: 1 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	489542	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	381764			28.03- 128.03	77.98	
14.430	14.430	(1.000)	49	739741			101.17- 201.17	151.11	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	1694160	25.0000		50.00- 150.00	100.00	
16.172	16.172	(1.000)	88	255927			0.00- 65.13	15.11	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1224210	25.0000		50.00- 150.00	100.00	
21.370	21.370	(1.000)	82	660384			3.78- 103.78	53.94	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	550366	25.0000	25.069	50.00- 150.00	100.00	
15.508	15.508	(1.075)	67	289381			2.90- 102.90	52.58	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.159)	98	1446134	25.0000	24.885	50.00- 150.00	100.00	
18.771	18.771	(1.159)	70	149051			0.00- 60.29	10.31	

AMOUNTS

CAL-AMT ON-COL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
 == == ===== == ===== ===== =====

\$ 113 Toluene-d8 (continued)

18.771 18.771 (1.159) 100 1020437 20.67- 120.67 70.56

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.333 23.333 (1.092) 174 615460 25.0000 25.119 50.00- 150.00 100.00

23.333 23.333 (1.092) 95 889348 95.56- 195.56 144.50

23.333 23.333 (1.092) 176 583991 45.68- 145.68 94.89

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.748 5.748 (0.398) 85 32805 0.50000 0.5000 50.00- 150.00 100.00

5.721 5.721 (0.396) 87 11254 0.00- 84.31 34.31

16 Freon 114

CAS #: 76-14-2

6.191 6.191 (0.429) 135 23350 0.50000 0.5000 50.00- 150.00 100.00

6.163 6.163 (0.427) 137 6672 0.00- 78.57 28.57

20 Vinyl Chloride

CAS #: 75-01-4

6.882 6.882 (0.477) 62 14308 0.50000 0.5000 50.00- 150.00 100.00

6.909 6.909 (0.479) 64 7045 0.00- 99.24 49.24

22 1,3-Butadiene

CAS #: 106-99-0

6.909 6.909 (0.479) 54 10654 0.50000 0.5000 50.00- 150.00 100.00

6.909 6.909 (0.479) 39 9555 39.68- 139.68 89.68

25 Bromomethane

CAS #: 74-83-9

8.043 8.043 (0.557) 94 12498 0.50000 0.5000 50.00- 150.00 100.00

8.071 8.071 (0.559) 96 11916 45.34- 145.34 95.34

27 Chloroethane

CAS #: 75-00-3

8.375 8.375 (0.580) 64 5612 0.50000 0.5000 50.00- 150.00 100.00

8.347 8.347 (0.578) 49 1466 0.00- 76.12 26.12

8.347 8.347 (0.578) 66 2571 0.00- 95.81 45.81

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.983 8.983 (0.623) 101 29056 0.50000 0.5000 50.00- 150.00 100.00

8.956 8.956 (0.621) 103 19787 18.10- 118.10 68.10

42 Freon 113

CAS #: 76-13-1

10.200 10.200 (0.707) 151 16273 0.50000 0.5000 50.00- 150.00 100.00

10.227 10.227 (0.709) 153 10647 15.43- 115.43 65.43

10.200 10.200 (0.707) 101 23488 94.34- 194.34 144.34

43 1,1-Dichloroethene

CAS #: 75-35-4

10.366 10.366 (0.718) 61 18134 0.50000 0.5000 50.00- 150.00 100.00

10.338 10.338 (0.716) 96 13944 26.89- 126.89 76.89

10.366 10.366 (0.718) 98 8205 0.00- 95.25 45.25

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

47	Carbon Disulfide					CAS #:	75-15-0		
10.919	10.919	(0.757)	76	39104	0.50000	0.5000	50.00- 150.00	100.00	

54	Methylene Chloride					CAS #:	75-09-2		
11.499	11.499	(0.797)	49	15784	0.50000	0.5000	50.00- 150.00	100.00	
11.499	11.499	(0.797)	84	12962			32.12- 132.12	82.12	
11.499	11.499	(0.797)	51	6566			0.00- 91.60	41.60	

60	MTBE					CAS #:	1634-04-4		
11.831	11.831	(0.820)	73	31365	0.50000	0.5000	50.00- 150.00	100.00	
11.859	11.859	(0.822)	57	7697			0.00- 74.54	24.54	
11.831	11.831	(0.820)	41	8852			0.00- 78.22	28.22	

61	trans-1,2-Dichloroethene					CAS #:	156-60-5		
11.969	11.969	(0.829)	96	14504	0.50000	0.5000	50.00- 150.00	100.00	
11.969	11.969	(0.829)	61	19184			82.27- 182.27	132.27	
11.969	11.969	(0.829)	98	8507			8.65- 108.65	58.65	

65	Hexane					CAS #:	110-54-3		
12.329	12.329	(0.854)	57	22848	0.50000	0.5000	50.00- 150.00	100.00	
12.329	12.329	(0.854)	43	14552			13.69- 113.69	63.69	
12.329	12.329	(0.854)	86	3531			0.00- 65.45	15.45	

70	1,1-Dichloroethane					CAS #:	75-34-3		
12.854	12.854	(0.891)	63	24151	0.50000	0.5000	50.00- 150.00	100.00	
12.854	12.854	(0.891)	65	7546			0.00- 81.25	31.25	

75	2-Butanone					CAS #:	78-93-3		
13.877	13.877	(0.962)	72	5038	0.50000	0.5000	50.00- 150.00	100.00	
13.905	13.905	(0.964)	43	21214			371.08- 471.08	421.08	
13.905	13.905	(0.964)	57	1892			0.00- 87.55	37.55	

76	cis-1,2-Dichloroethene					CAS #:	156-59-2		
13.960	13.960	(0.967)	61	13947	0.50000	0.5000	50.00- 150.00	100.00	
13.960	13.960	(0.967)	96	14313			52.62- 152.62	102.62	
13.960	13.960	(0.967)	98	7871			6.44- 106.44	56.44	

80	Tetrahydrofuran					CAS #:	109-99-9		
14.430	14.430	(1.000)	42	9746	0.50000	0.5000	50.00- 150.00	100.00	
14.430	14.430	(1.000)	71	3719			0.00- 88.16	38.16	
14.402	14.402	(0.998)	72	3984			0.00- 90.88	40.88	

82	Chloroform					CAS #:	67-66-3		
14.485	14.485	(1.004)	83	20032	0.50000	0.4965	50.00- 150.00	100.00(a)	
14.485	14.485	(1.004)	85	12407			11.35- 111.35	61.94	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

83	1,1,1-Trichloroethane					CAS #:	71-55-6			
14.873	14.873	(1.031)	97	17090	0.50000	0.5000	50.00-	150.00	100.00	
14.845	14.845	(1.029)	99	12118			20.91-	120.91	70.91	

85	Cyclohexane					CAS #:	110-82-7			
14.845	14.845	(1.029)	84	12715	0.50000	0.5000	50.00-	150.00	100.00	
14.845	14.845	(1.029)	56	17136			84.77-	184.77	134.77	
14.873	14.873	(1.031)	41	9222			22.53-	122.53	72.53	

87	Carbon Tetrachloride					CAS #:	56-23-5			
15.149	15.149	(1.050)	119	13942	0.50000	0.5000	50.00-	150.00	100.00	
15.121	15.121	(1.048)	117	13950			50.06-	150.06	100.06	

91	Benzene					CAS #:	71-43-2			
15.536	15.536	(0.959)	78	29150	0.50000	0.4813	50.00-	150.00	100.00(a)	
15.564	15.564	(0.961)	77	6572			0.00-	77.46	22.55	

89	2,2,4-Trimethylpentane					CAS #:	540-84-1			
15.425	15.425	(1.069)	57	45061	0.50000	0.5000	50.00-	150.00	100.00	
15.425	15.425	(1.069)	56	16363			0.00-	86.31	36.31	
15.453	15.453	(1.071)	41	11005			0.00-	74.42	24.42	

93	1,2-Dichloroethane					CAS #:	107-06-2			
15.647	15.647	(0.966)	62	12274	0.50000	0.5000	50.00-	150.00	100.00	
15.674	15.674	(0.968)	64	4301			0.00-	85.04	35.04	

94	Heptane					CAS #:	142-82-5			
15.730	15.730	(0.971)	71	8469	0.50000	0.5000	50.00-	150.00	100.00	
15.757	15.757	(0.973)	43	16563			145.57-	245.57	195.57	
15.730	15.730	(0.971)	57	9559			62.87-	162.87	112.87	

101	Trichloroethene					CAS #:	79-01-6			
16.642	16.642	(1.027)	95	11914	0.50000	0.5000	50.00-	150.00	100.00	
16.670	16.670	(1.029)	130	11042			42.68-	142.68	92.68	
16.642	16.642	(1.027)	97	7735			14.92-	114.92	64.92	

104	1,2-Dichloropropane					CAS #:	78-87-5			
17.140	17.140	(1.058)	63	9762	0.50000	0.5000	50.00-	150.00	100.00	
17.140	17.140	(1.058)	62	7780			29.70-	129.70	79.70	
17.140	17.140	(1.058)	41	6848			20.15-	120.15	70.15	

107	Bromodichloromethane					CAS #:	75-27-4			
17.555	17.555	(1.084)	83	15091	0.50000	0.5000	50.00-	150.00	100.00	
17.582	17.582	(1.085)	85	10386			18.82-	118.82	68.82	

110	cis-1,3-Dichloropropene					CAS #:	10061-01-5			
18.356	18.356	(1.133)	75	12352	0.50000	0.5000	50.00-	150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
110 cis-1,3-Dichloropropene (continued)									
18.356	18.356	(1.133)	77	4759			0.00- 88.53	38.53	
18.356	18.356	(1.133)	39	6717			4.38- 104.38	54.38	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.143)	58	7095	0.50000	0.5000	50.00- 150.00	100.00	
18.522	18.522	(1.143)	43	17205			192.49- 292.49	242.49	
18.522	18.522	(1.143)	85	2661			0.00- 87.51	37.51	

114 Toluene CAS #: 108-88-3									
18.909	18.909	(1.167)	91	28059	0.50000	0.5000	50.00- 150.00	100.00	
18.909	18.909	(1.167)	92	18451			15.76- 115.76	65.76	

116 trans-1,3-Dichloropropene CAS #: 10061-02-6									
19.324	19.324	(0.904)	75	11540	0.50000	0.5000	50.00- 150.00	100.00	
19.324	19.324	(0.904)	77	3827			0.00- 83.16	33.16	
19.324	19.324	(0.904)	39	7317			13.41- 113.41	63.41	

117 1,1,2-Trichloroethane CAS #: 79-00-5									
19.656	19.656	(0.920)	97	10030	0.50000	0.5000	50.00- 150.00	100.00	
19.656	19.656	(0.920)	99	6824			18.04- 118.04	68.04	
19.656	19.656	(0.920)	83	8848			38.22- 138.22	88.22	

120 Tetrachloroethene CAS #: 127-18-4									
19.849	19.849	(0.929)	166	11765	0.50000	0.5000	50.00- 150.00	100.00	
19.849	19.849	(0.929)	129	9099			27.34- 127.34	77.34	
19.849	19.849	(0.929)	131	8198			19.68- 119.68	69.68	

122 Dibromochloromethane CAS #: 124-48-1									
20.347	20.347	(0.952)	129	11470	0.50000	0.5000	50.00- 150.00	100.00	
20.375	20.375	(0.953)	127	8631			25.25- 125.25	75.25	

123 1,2-Dibromoethane CAS #: 106-93-4									
20.624	20.624	(0.965)	107	14546	0.50000	0.5000	50.00- 150.00	100.00	
20.624	20.624	(0.965)	109	12785			37.89- 137.89	87.89	

127 Chlorobenzene CAS #: 108-90-7									
21.425	21.425	(1.003)	112	22368	0.50000	0.5000	50.00- 150.00	100.00	
21.425	21.425	(1.003)	114	7297			0.00- 82.62	32.62	
21.398	21.398	(1.001)	77	21015			43.95- 143.95	93.95	

128 Ethyl Benzene CAS #: 100-41-4									
21.508	21.508	(1.006)	106	11301	0.50000	0.5000	50.00- 150.00	100.00	
21.508	21.508	(1.006)	91	34432			254.68- 354.68	304.68	

129 m,p-Xylene CAS #: 108-38-3									
21.702	21.702	(1.016)	106	14786	0.50000	0.5000	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
129 m,p-Xylene (continued)									
21.702	21.702	(1.016)	91	26572			129.71- 229.71	179.71	

130 o-Xylene CAS #: 95-47-6									
22.393	22.393	(1.048)	106	12324	0.50000	0.5000	50.00- 150.00	100.00	
22.393	22.393	(1.048)	91	26198			162.58- 262.58	212.58	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	20312	0.50000	0.5130	50.00- 150.00	100.00	
22.421	22.421	(1.049)	78	8991			13.98- 113.98	44.26	

133 Bromoform CAS #: 75-25-2									
22.836	22.836	(1.069)	173	8100	0.50000	0.5000	50.00- 150.00	100.00	
22.836	22.836	(1.069)	171	3978			0.00- 99.11	49.11	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	31186	0.50000	0.4684	50.00- 150.00	100.00(a)	
22.974	22.974	(1.075)	120	9160			0.00- 83.99	29.37	
22.946	22.946	(1.074)	51	3538			0.00- 65.30	11.34	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	18504	0.50000	0.5000	50.00- 150.00	100.00	
23.527	23.527	(1.101)	85	11501			12.15- 112.15	62.15	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	43453	0.50000	0.5000	50.00- 150.00	100.00	
23.637	23.637	(1.106)	120	10982			0.00- 75.27	25.27	
23.637	23.637	(1.106)	105	2093			0.00- 54.82	4.82	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	38301	0.50000	0.5000	50.00- 150.00	100.00	
23.831	23.831	(1.115)	120	13421			0.00- 85.04	35.04	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	28838	0.50000	0.5000	50.00- 150.00	100.00	
23.914	23.914	(1.119)	120	15299			3.05- 103.05	53.05	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	27845	0.50000	0.5000	50.00- 150.00	100.00	
24.550	24.550	(1.149)	120	12603			0.00- 95.26	45.26	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	18509	0.50000	0.5000	50.00- 150.00	100.00	
25.130	25.130	(1.176)	148	11063			9.77- 109.77	59.77	
25.130	25.130	(1.176)	111	7414			0.00- 90.06	40.06	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

156	1,4-Dichlorobenzene					CAS #: 106-46-7			
25.269	25.269	(1.182)	146	19685	0.50000	0.5000	50.00- 150.00	100.00	
25.269	25.269	(1.182)	148	12241			12.18- 112.18	62.18	
25.269	25.269	(1.182)	111	7321			0.00- 87.19	37.19	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
25.490	25.490	(1.193)	91	20697	0.50000	0.5000	50.00- 150.00	100.00	
25.490	25.490	(1.193)	126	4729			0.00- 72.85	22.85	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.932	25.932	(1.213)	146	18139	0.50000	0.5000	50.00- 150.00	100.00	
25.932	25.932	(1.213)	148	11838			15.26- 115.26	65.26	
25.932	25.932	(1.213)	111	7566			0.00- 91.71	41.71	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.919	16.919	(1.172)	83	14665	0.50000	0.5000	50.00- 150.00	100.00	
16.919	16.919	(1.172)	98	7113			0.00- 98.50	48.50	
16.919	16.919	(1.172)	55	13867			44.56- 144.56	94.56	

QC Flag Legend

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

Report Date: 04-Oct-2007 08:14

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100303.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 2

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 0.5ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	489542	-12.40
97 1,4-Difluorobenze	1930047	1158028	2702066	1694160	-12.22
126 Chlorobenzene-d5	1418145	850887	1985403	1224210	-13.68

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

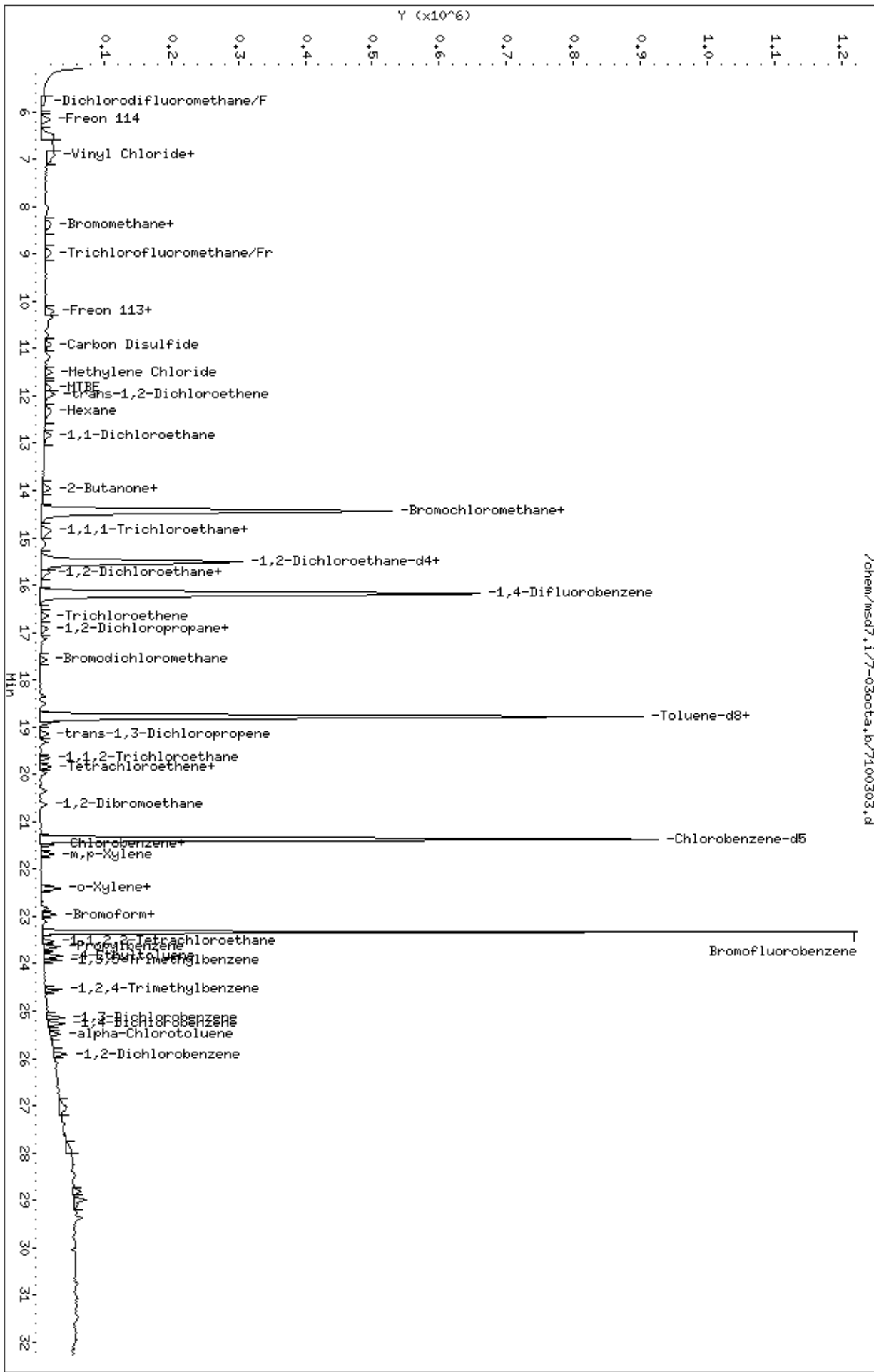
AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Column phase: RTX-624

Instrument: msd7.1
Operator: cb
Column diameter: 0.53



Report Date: 04-Oct-2007 15:07

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100406.d
 Lab Smp Id: ICAL Client Smp ID: Level 3
 Inj Date : 04-OCT-2007 13:14
 Operator : ct Inst ID: msd7.i
 Smp Info : 2.0mL #1443-354
 Misc Info : 2.0ppbv (200ppbv) sp19b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 15:07 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 13:14 Cal File: 7100406.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: Sp19b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	740539	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	575249				27.65- 127.65	77.68
14.430	14.430	(1.000)	49	958736				106.56- 206.56	129.46

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	2297486	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	358435				0.00- 65.45	15.60

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1698816	25.0000			50.00- 150.00	100.00
21.370	21.370	(1.000)	82	925376				4.31- 104.31	54.47

21 Isobutane CAS #: 75-28-5									
6.301	6.301	(0.437)	43	124719	2.00000	2.000		50.00- 150.00	100.00(M)
6.246	6.246	(0.433)	42	28727				0.00- 73.03	23.03
6.273	6.273	(0.435)	58	2430				0.00- 51.95	1.95

35 1-Pentene CAS #: 109-67-1									
9.011	9.011	(0.624)	55	87123	2.00000	2.000		50.00- 150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	====	=====	=====	=====	=====	=====	
35 1-Pentene (continued)									
9.011	9.011	(0.624)	42	191567			169.88- 269.88	219.88	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

37 Pentane CAS #: 109-66-0									
9.149	9.149	(0.634)	43	136182	2.00000	2.000	50.00- 150.00	100.00	
9.121	9.121	(0.632)	57	21929			0.00- 66.10	16.10	
9.177	9.177	(0.636)	72	16293			0.00- 61.96	11.96	

39 Ethyl Ether CAS #: 60-29-7									
9.730	9.730	(0.674)	74	41324	2.00000	2.000	50.00- 150.00	100.00	
9.730	9.730	(0.674)	59	55077			83.28- 183.28	133.28	
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00	

44 Acrolein CAS #: 107-02-8									
10.200	10.200	(0.707)	55	21539	2.00000	2.000	50.00- 150.00	100.00	
10.200	10.200	(0.707)	56	28790			83.66- 183.66	133.66	

48 Ethyl acrylate CAS #: 140-88-5									
16.725	16.725	(0.783)	99	8546	2.00000	2.000	50.00- 150.00	100.00	
16.697	16.697	(0.781)	45	11463			84.13- 184.13	134.13	
16.697	16.697	(0.781)	55	113149			1274.00-1374.00	1324.00	

49 Iodomethane CAS #: 74-88-4									
10.808	10.808	(0.749)	142	206088	2.00000	2.000	50.00- 150.00	100.00	
10.808	10.808	(0.749)	127	67110			0.00- 82.56	32.56	

50 Methyl Methacrylate CAS #: 80-62-6									
17.140	17.140	(0.802)	41	77608	2.00000	2.000	50.00- 150.00	100.00	
17.140	17.140	(0.802)	69	55385			21.37- 121.37	71.37	
17.140	17.140	(0.802)	100	20807			0.00- 76.81	26.81	

52 Acetonitrile CAS #: 75-05-8									
11.278	11.278	(0.782)	40	42452	2.00000	2.000	50.00- 150.00	100.00	
11.278	11.278	(0.782)	41	71142			117.58- 217.58	167.58	
11.278	11.278	(0.782)	38	15974			0.00- 87.63	37.63	

56 Cyclopentane CAS #: 287-92-3									
11.499	11.499	(0.797)	70	55860	2.00000	2.000	50.00- 150.00	100.00	
11.499	11.499	(0.797)	55	69848			75.04- 175.04	125.04	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

62 Acrylonitrile CAS #: 107-13-1									
12.052	12.052	(0.835)	52	41252	2.00000	2.000	50.00- 150.00	100.00	
12.052	12.052	(0.835)	53	60281			96.13- 196.13	146.13	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
63 2-Pentanone						CAS #:	107-87-9			
16.918	16.918	(0.792)	43	136529	2.00000	2.000	50.00- 150.00	100.00		
16.918	16.918	(0.792)	58	11120			0.00- 58.14	8.14		
16.946	16.946	(0.793)	86	24143			0.00- 67.68	17.68		

66 1-Hexene						CAS #:	592-41-6			
12.218	12.218	(0.847)	55	55299	2.00000	2.000	50.00- 150.00	100.00		
12.218	12.218	(0.847)	41	76043			87.51- 187.51	137.51		
12.218	12.218	(0.847)	84	22489			0.00- 90.67	40.67		

79 Methyl Acrylate						CAS #:	96-33-3			
14.043	14.043	(0.973)	55	104260	2.00000	2.000	50.00- 150.00	100.00		
14.043	14.043	(0.973)	85	18998			0.00- 68.22	18.22		
14.043	14.043	(0.973)	58	10255			0.00- 59.84	9.84		

100 trans-1,4-dichloro-2-butene						CAS #:	110-57-6			
23.637	23.637	(1.106)	75	46969	2.00000	2.000	50.00- 150.00	100.00		
23.637	23.637	(1.106)	89	22651			0.00- 98.23	48.23		
23.637	23.637	(1.106)	53	32489			19.17- 119.17	69.17		

103 Alphasethylstyrene						CAS #:	98-83-9			
24.301	24.301	(1.137)	118	93723	2.00000	2.000	50.00- 150.00	100.00		
24.301	24.301	(1.137)	103	47901			1.11- 101.11	51.11		

105 Dibromomethane						CAS #:	74-95-3			
17.388	17.388	(0.814)	174	69999	2.00000	2.000	50.00- 150.00	100.00		
17.361	17.361	(0.812)	93	71710			52.44- 152.44	102.44		
17.361	17.361	(0.812)	95	61109			37.30- 137.30	87.30		

124 Nonane						CAS #:	111-84-2			
21.481	21.481	(1.005)	43	121156	2.00000	2.000	50.00- 150.00	100.00		
21.481	21.481	(1.005)	57	111594			42.11- 142.11	92.11		
21.481	21.481	(1.005)	85	41815			0.00- 84.51	34.51		

151 bis(2-chloroethyl)ether						CAS #:	111-44-4			
24.909	24.909	(1.166)	93	106332	2.00000	2.000	50.00- 150.00	100.00		
24.909	24.909	(1.166)	95	34817			0.00- 82.74	32.74		

QC Flag Legend

M - Compound response manually integrated.

Report Date: 04-Oct-2007 15:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100406.d

Calibration Time: 14:00

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 2.0ppbv (200ppbv) sp19b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	779330	467598	1091062	740539	-4.98
97 1,4-Difluorobenze	2375765	1425459	3326071	2297486	-3.29
126 Chlorobenzene-d5	1739353	1043612	2435094	1698816	-2.33

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100406.d

Date : 04-OCT-2007 13:14

Client ID: Level 3

Sample Info: 2.0mL #1443-354

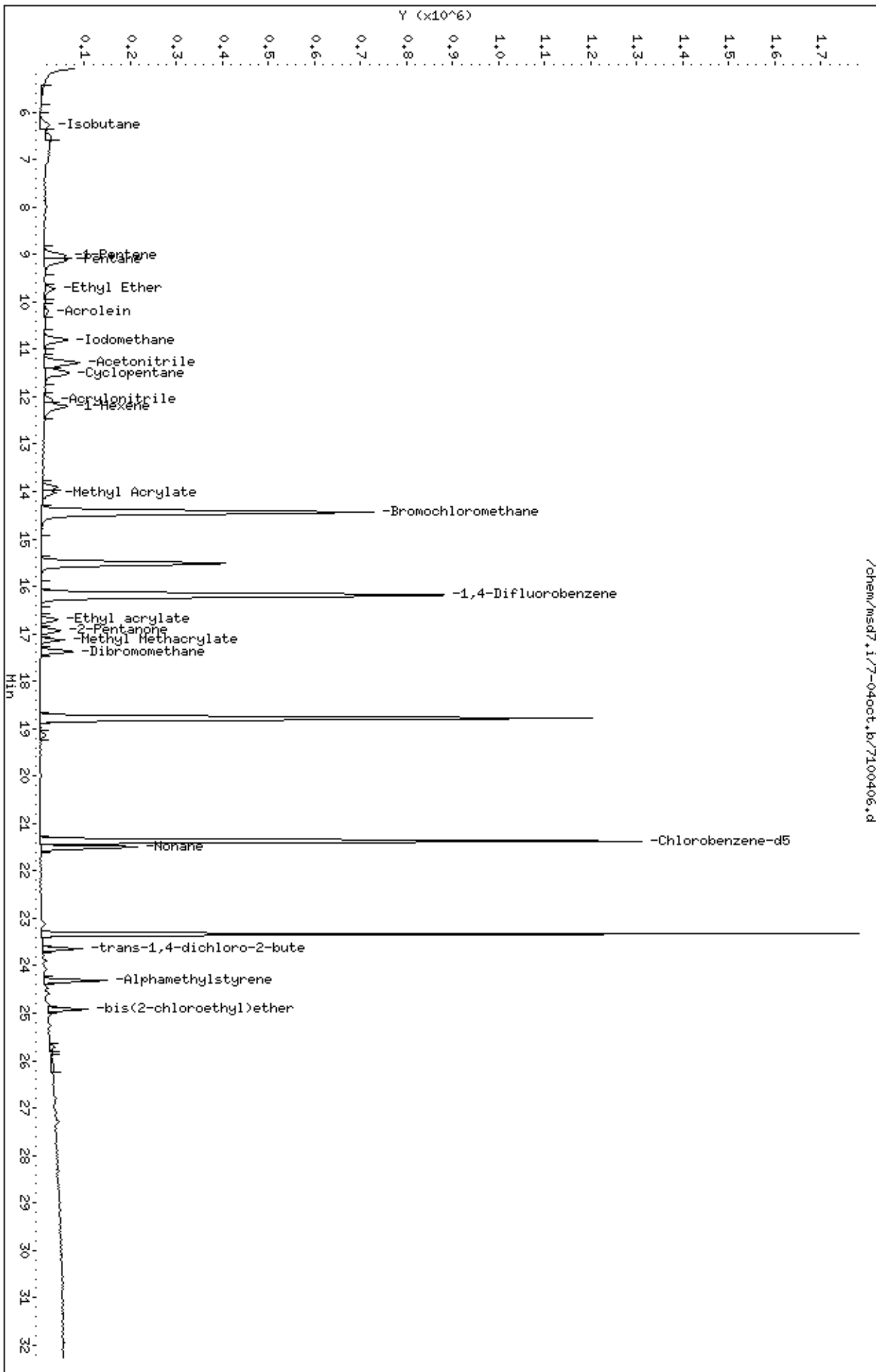
Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53

/chem/msd7.1/7-04oct.b/7100406.d



Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100402.d
 Lab Smp Id: ICAL Client Smp ID: Level 3
 Inj Date : 04-OCT-2007 10:38
 Operator : ct Inst ID: msd7.i
 Smp Info : 2mL #1487-370
 Misc Info : 2.0ppbv (200ppbv) sp16b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 12:17 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 10:38 Cal File: 7100402.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp16b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	795382	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	615321				27.75- 127.75	77.36
14.430	14.430	(1.000)	49	999499				108.83- 208.83	125.66

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	2412040	25.0000			50.00- 150.00	100.00
16.200	16.200	(1.000)	88	377372				0.00- 65.42	15.65

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1762248	25.0000			50.00- 150.00	100.00
21.370	21.370	(1.000)	82	961719				4.58- 104.58	54.57

55 Cyclopentene CAS #: 142-29-0									
11.306	11.306	(0.783)	67	327231	2.00000	2.000		50.00- 150.00	100.00
11.306	11.306	(0.783)	68	131475				0.00- 90.18	40.18
11.278	11.278	(0.782)	53	55921				0.00- 67.09	17.09

78 2,2-Dichloropropane CAS #: 594-20-7									
13.905	13.905	(0.964)	77	173574	2.00000	2.000		50.00- 150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
78 2,2-Dichloropropane (continued)									
13.905	13.905	(0.964)	79	63497			0.00- 86.58	36.58	
13.905	13.905	(0.964)	97	37576			0.00- 71.65	21.65	

88 1,1-Dichloropropane CAS #: 563-58-6									
15.149	15.149	(0.935)	110	66680	2.00000	2.000	50.00- 150.00	100.00	
15.149	15.149	(0.935)	75	180560			220.79- 320.79	270.79	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.988	19.988	(1.234)	76	194804	2.00000	2.000	50.00- 150.00	100.00	
19.988	19.988	(1.234)	41	121755			12.50- 112.50	62.50	
19.988	19.988	(1.234)	78	64837			0.00- 83.28	33.28	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.536	21.536	(1.008)	131	135809	2.00000	2.000	50.00- 150.00	100.00	
21.536	21.536	(1.008)	117	95001			19.95- 119.95	69.95	
21.536	21.536	(1.008)	95	49094			0.00- 86.15	36.15	

136 Bromobenzene CAS #: 108-86-1									
23.637	23.637	(1.106)	156	193326	2.00000	2.000	50.00- 150.00	100.00	
23.637	23.637	(1.106)	158	182611			44.46- 144.46	94.46	
23.610	23.610	(1.105)	77	371426			142.12- 242.12	192.12	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.665	23.665	(1.107)	110	82512	2.00000	2.000	50.00- 150.00	100.00	
23.665	23.665	(1.107)	75	248282			250.90- 350.90	300.90	
23.665	23.665	(1.107)	61	61691			24.77- 124.77	74.77	

141 2-Chlorotoluene CAS #: 95-49-8									
23.886	23.886	(1.118)	126	133914	2.00000	2.000	50.00- 150.00	100.00	
23.886	23.886	(1.118)	91	380732			234.31- 334.31	284.31	
23.886	23.886	(1.118)	65	34734			0.00- 75.94	25.94	

143 4-Chlorotoluene CAS #: 106-43-4									
24.080	24.080	(1.127)	126	145411	2.00000	2.000	50.00- 150.00	100.00	
24.080	24.080	(1.127)	91	413582			234.42- 334.42	284.42	
24.080	24.080	(1.127)	63	47019			0.00- 82.34	32.34	

153 p-Cymene CAS #: 99-87-6									
25.020	25.020	(1.171)	119	440255	2.00000	2.000	50.00- 150.00	100.00	
25.020	25.020	(1.171)	134	123187			0.00- 77.98	27.98	
25.020	25.020	(1.171)	91	102333			0.00- 73.24	23.24	

154 1,2,3-Trimethylbenzene CAS #: 526-73-8									
25.269	25.269	(1.182)	120	166175	2.00000	2.000	50.00- 150.00	100.00	
25.269	25.269	(1.182)	105	362287			168.02- 268.02	218.02	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
154 1,2,3-Trimethylbenzene (continued)									
25.269	25.269	(1.182)	77	45868			0.00- 77.60	27.60	

158 Butylbenzene CAS #: 104-51-8									
25.711	25.711	(1.203)	134	115103	2.00000	2.000	50.00- 150.00	100.00	
25.711	25.711	(1.203)	91	445435			336.99- 436.99	386.99	
25.711	25.711	(1.203)	92	254807			171.37- 271.37	221.37	

148 tert-Butylbenzene CAS #: 98-06-6									
24.467	24.467	(1.145)	119	404746	2.00000	2.000	50.00- 150.00	100.00	
24.467	24.467	(1.145)	134	100382			0.00- 74.80	24.80	
24.467	24.467	(1.145)	91	272245			17.26- 117.26	67.26	

149 sec-Butylbenzene CAS #: 135-98-8									
24.826	24.826	(1.162)	105	569991	2.00000	2.000	50.00- 150.00	100.00	
24.826	24.826	(1.162)	134	113244			0.00- 69.87	19.87	
24.826	24.826	(1.162)	91	85886			0.00- 65.07	15.07	

162 1,2-Dibromo-3-Chloropropane CAS #: 96-12-8									
27.287	27.287	(1.277)	157	113969	2.00000	2.000	50.00- 150.00	100.00	
27.287	27.287	(1.277)	75	91654			30.42- 130.42	80.42	
27.287	27.287	(1.277)	155	87822			27.06- 127.06	77.06	

201 Pentachloroethane CAS #: 76-01-7									
24.605	24.605	(1.151)	167	100545	2.00000	2.000	50.00- 150.00	100.00	
24.605	24.605	(1.151)	117	111301			60.70- 160.70	110.70	
24.605	24.605	(1.151)	169	49715			0.00- 99.45	49.45	

Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100402.d

Calibration Time: 11:17

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 2.0ppbv (200ppbv) spl6b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	797030	478218	1115842	795382	-0.21
97 1,4-Difluorobenze	2404743	1442846	3366640	2412040	0.30
126 Chlorobenzene-d5	1823268	1093961	2552575	1762248	-3.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100402.d

Date : 04-OCT-2007 10:38

Client ID: Level 3

Sample Info: 2mL #1487-370

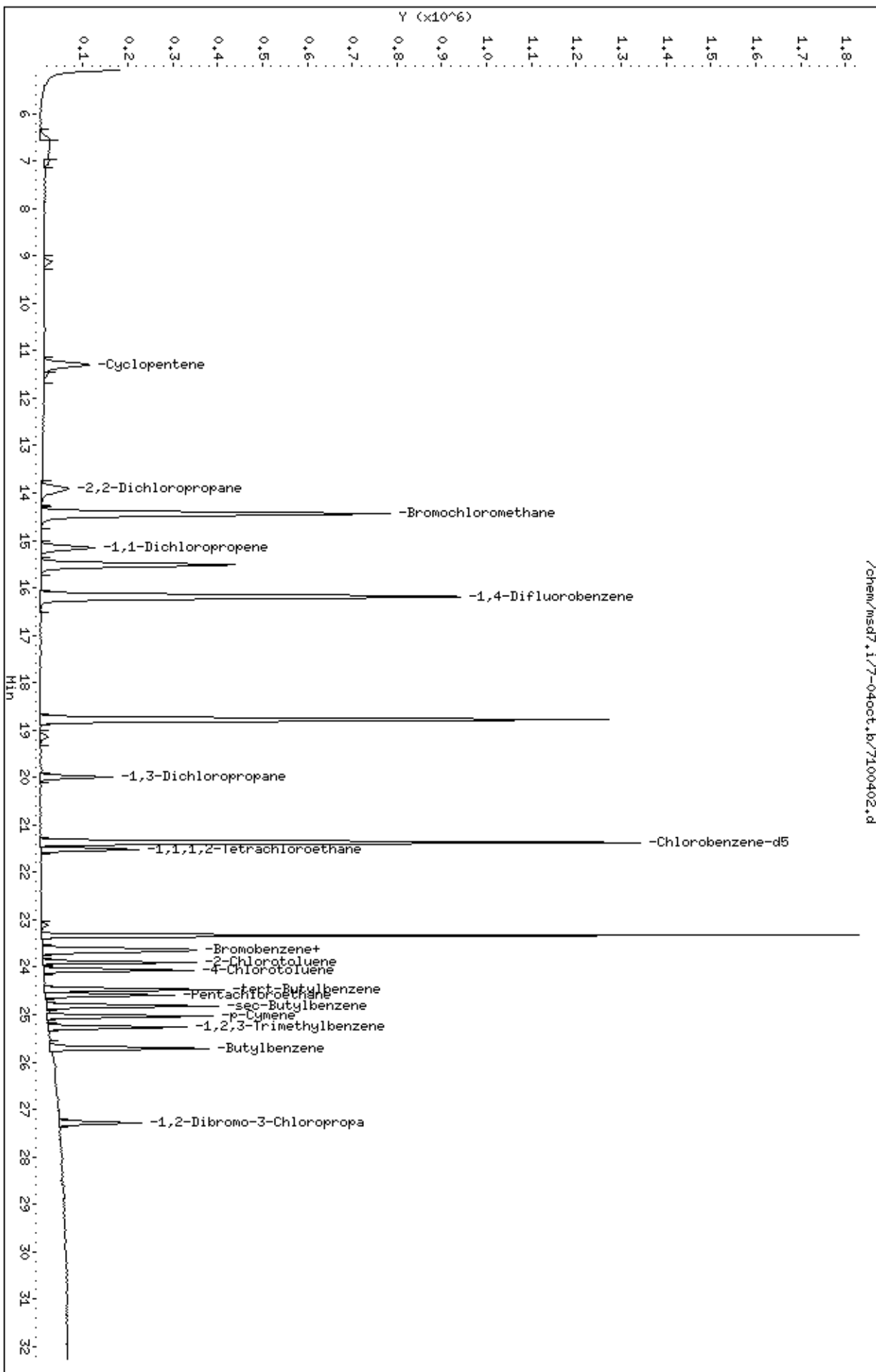
Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53

/chem/msd7.1/7-04oct.b/7100402.d



Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03oct.b/7100311.d
 Lab Smp Id: ICAL Client Smp ID: level 3
 Inj Date : 03-OCT-2007 18:51
 Operator : dm Inst ID: msd7.i
 Smp Info : 2.0mL #1487-393
 Misc Info : 200ppbv-2.0ppbv
 Comment :
 Method : /chem/msd7.i/7-03oct.b/t14q003a.m
 Meth Date : 04-Oct-2007 09:17 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 18:51 Cal File: 7100311.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp22a.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.416	14.416	(1.000)	130	552298	25.0000		50.00- 150.00	100.00	
14.416	14.416	(1.000)	128	433174			27.89- 127.89	78.43	
14.416	14.416	(1.000)	49	833869			127.45- 227.45	150.98	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.185	16.185	(1.000)	114	1859765	25.0000		50.00- 150.00	100.00	
16.185	16.185	(1.000)	88	288492			0.00- 65.36	15.51	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.356	21.356	(1.000)	117	1320248	25.0000		50.00- 150.00	100.00	
21.356	21.356	(1.000)	82	724186			4.45- 104.45	54.85	

5 Freon 143a CAS #: 420-46-2									
5.307	5.307	(0.368)	65	20685	2.00000	2.000	50.00- 150.00	100.00	
5.279	5.279	(0.366)	69	218326			0.00- 50.00	1055.48	
5.335	5.335	(0.370)	64	6182			0.00- 79.89	29.89	

6 Freon142b CAS #: 75-68-3									
6.349	6.349	(0.440)	65	81622	2.00000	2.000	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
6 Freon142b (continued)									
6.349	6.349	(0.440)	45	29045			0.00- 85.58	35.58	

9 Freon 13 CAS #: 75-72-9									
5.222	5.222	(0.362)	85	24125	2.00000	2.000	50.00- 150.00	100.00	
5.194	5.194	(0.360)	87	7931			0.00- 82.87	32.87	
5.279	5.279	(0.366)	69	218068			853.91- 953.91	903.91	

13 Freon 134a CAS #: 811-97-2									
5.448	5.448	(0.378)	83	40095	2.00000	2.000	50.00- 150.00	100.00	
5.279	5.279	(0.366)	69	218659			495.35- 595.35	545.35	
5.448	5.448	(0.378)	63	7231			0.00- 68.03	18.03	

15 Freon 152a CAS #: 75-37-6									
5.673	5.673	(0.394)	65	35763	2.00000	2.000	50.00- 150.00	100.00	
5.701	5.701	(0.395)	51	48395			85.32- 185.32	135.32	
5.673	5.673	(0.394)	47	11280			0.00- 81.54	31.54	

17 Freon 22 CAS #: 75-45-6									
5.814	5.814	(0.403)	51	99028	2.00000	2.000	50.00- 150.00	100.00	
5.814	5.814	(0.403)	67	10359			0.00- 60.46	10.46	
5.814	5.814	(0.403)	85	1226			0.00- 51.24	1.24	

26 Methanol CAS #: 67-56-1									
7.560	7.560	(0.524)	31	190283	12.00000	12.000	50.00- 150.00	100.00(a)	
7.560	7.560	(0.524)	32	997720			474.33- 574.33	524.33	

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4									
8.912	8.912	(0.618)	67	98953	2.00000	2.000	50.00- 150.00	100.00	
8.912	8.912	(0.618)	69	30445			0.00- 80.77	30.77	
8.912	8.912	(0.618)	35	4616			0.00- 54.66	4.66	

40 Freon123a CAS #: 354-23-4									
9.798	9.798	(0.680)	117	58645	2.00000	2.000	50.00- 150.00	100.00	
9.798	9.798	(0.680)	67	89732			103.01- 203.01	153.01	

41 Freon123 CAS #: 306-83-2									
9.964	9.964	(0.691)	83	108613	2.00000	2.000	50.00- 150.00	100.00	
9.964	9.964	(0.691)	133	20811			0.00- 69.16	19.16	
9.964	9.964	(0.691)	85	79909			23.57- 123.57	73.57	

57 tert-Butyl-Alcohol CAS #: 75-65-0									
11.513	11.513	(0.799)	59	127192	2.00000	2.000	50.00- 150.00	100.00	
11.513	11.513	(0.799)	41	25264			0.00- 69.86	19.86	
11.513	11.513	(0.799)	57	13011			0.00- 60.23	10.23	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	====	=====	=====	=====	=====	=====		
68 Isopropyl ether						CAS #:	108-20-3			
12.702	12.702	(0.881)	45	199529	2.00000	2.000	50.00- 150.00	100.00		
12.702	12.702	(0.881)	87	51843			0.00- 75.98	25.98		
12.702	12.702	(0.881)	59	34224			0.00- 67.15	17.15		

71 1-Propanol						CAS #:	71-23-8			
12.840	12.840	(0.891)	42	14274	2.00000	2.000	50.00- 150.00	100.00		
12.702	12.702	(0.881)	59	34224			189.76- 289.76	239.76		
12.729	12.729	(0.883)	41	35966			201.97- 301.97	251.97		

73 t-Butylethyl Ether						CAS #:	637-92-3			
13.393	13.393	(0.929)	59	170759	2.00000	2.000	50.00- 150.00	100.00		
13.393	13.393	(0.929)	87	68068			0.00- 89.86	39.86		
13.393	13.393	(0.929)	41	32672			0.00- 69.13	19.13		

77 Ethyl Acetate						CAS #:	141-78-6			
13.891	13.891	(0.964)	45	20499	2.00000	2.000	50.00- 150.00	100.00		
13.891	13.891	(0.964)	61	18785			41.64- 141.64	91.64		
13.891	13.891	(0.964)	43	119968			535.24- 635.24	585.24		

92 tert-amyl-Methyl Ether						CAS #:	994-05-8			
15.550	15.550	(1.079)	73	119856	2.00000	2.000	50.00- 150.00	100.00		
15.550	15.550	(1.079)	87	26738			0.00- 72.31	22.31		
15.550	15.550	(1.079)	55	34145			0.00- 78.49	28.49		

96 2-Heptanone						CAS #:	110-43-0			
22.517	22.517	(1.562)	58	69052	2.00000	2.000	50.00- 150.00	100.00		
22.517	22.517	(1.562)	43	97731			91.53- 191.53	141.53		

98 1-Butanol						CAS #:	71-36-3			
16.324	16.324	(1.009)	56	28153	2.00000	2.000	50.00- 150.00	100.00		
16.324	16.324	(1.009)	41	19326			18.65- 118.65	68.65		
16.324	16.324	(1.009)	43	15013			3.33- 103.33	53.33		

99 Isobutanol						CAS #:	78-83-1			
15.162	15.162	(1.052)	59	1154	2.00000	2.000	50.00- 150.00	100.00		
15.135	15.135	(1.050)	41	26412			2238.73-2338.73	2288.73		
15.162	15.162	(1.052)	43	37534			3202.51-3302.51	3252.51		

119 Butyl Acetate						CAS #:	123-86-4			
20.084	20.084	(1.241)	56	49954	2.00000	2.000	50.00- 150.00	100.00		
20.084	20.084	(1.241)	73	16986			0.00- 84.00	34.00		
20.084	20.084	(1.241)	43	111675			173.56- 273.56	223.56		

135 Cyclohexanone						CAS #:	108-94-1			
23.291	23.291	(1.091)	55	51296	2.00000	2.000	50.00- 150.00	100.00		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
135 Cyclohexanone (continued)									
23.291	23.291	(1.091)	98	22701			0.00- 94.25	44.25	
23.291	23.291	(1.091)	42	32404			13.17- 113.17	63.17	

146 Diisobutyl Ketone					CAS #: 108-83-8				
24.066	24.066	(1.127)	57	141069	2.00000	2.000	50.00- 150.00	100.00	
24.093	24.093	(1.128)	85	119680			34.84- 134.84	84.84	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

QC Flag Legend

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

Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100311.d

Calibration Time: 20:17

Lab Smp Id: ICAL

Client Smp ID: level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03oct.b/t14q003a.m

Misc Info: 200ppbv-2.0ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	623417	374050	872784	552298	-11.41
97 1,4-Difluorobenze	2025381	1215229	2835533	1859765	-8.18
126 Chlorobenzene-d5	1452610	871566	2033654	1320248	-9.11

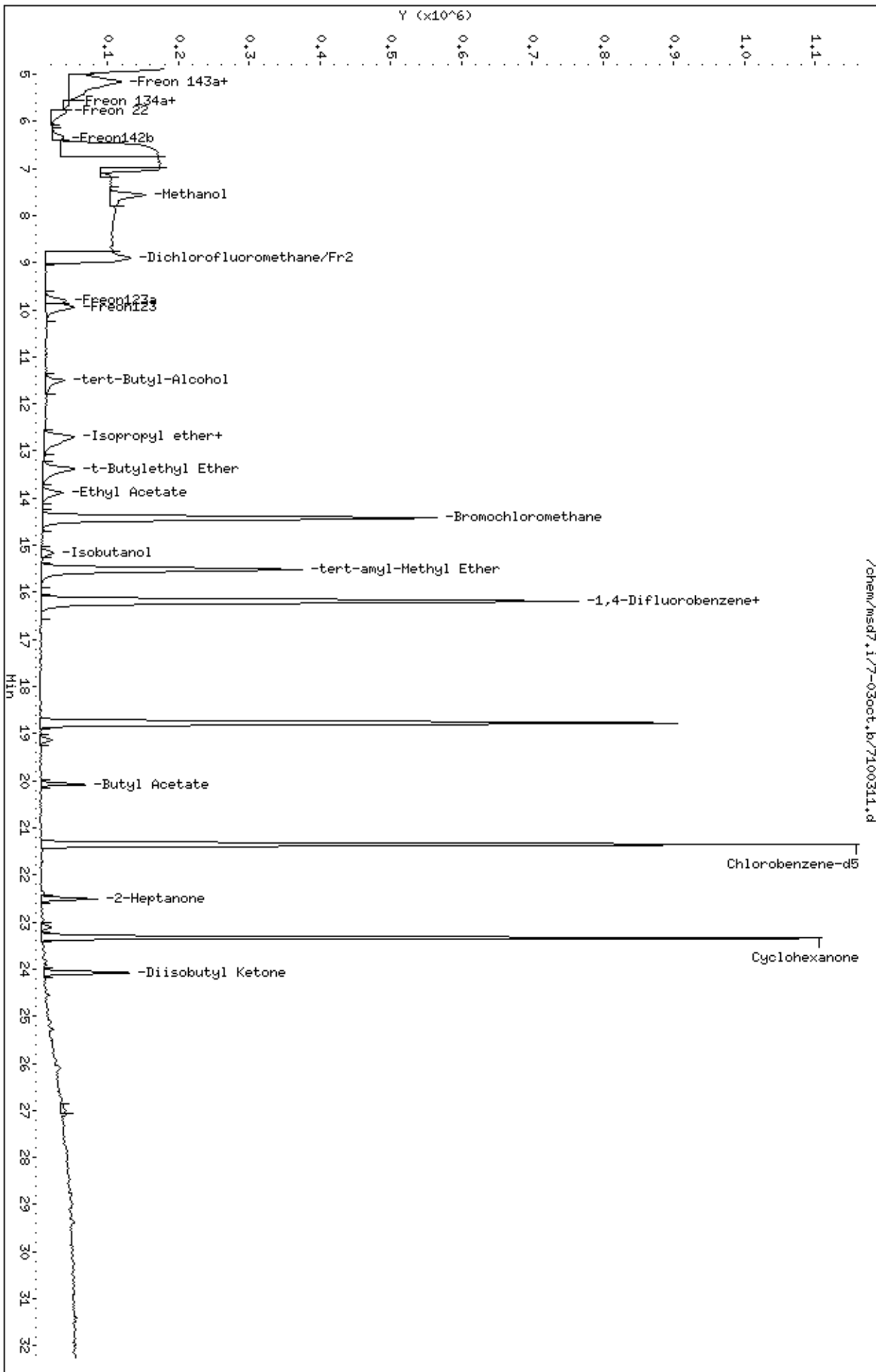
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.44	14.11	14.77	14.42	-0.19
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	0.00

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: 04-Oct-2007 08:14

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100304.d
 Lab Smp Id: ICAL Client Smp ID: Level 3
 Inj Date : 03-OCT-2007 13:32
 Operator : cb Inst ID: msd7.i
 Smp Info : 2mL #1576-21
 Misc Info : 200ppbv --> 2ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:14 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 13:32 Cal File: 7100304.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	506872	25.0000		50.00- 150.00	100.00	
14.430	14.430	(1.000)	128	396345			28.08- 128.08	78.19	
14.403	14.403	(1.000)	49	770667			101.46- 201.46	152.04	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1723934	25.0000		50.00- 150.00	100.00	
16.172	16.172	(1.000)	88	263298			0.00- 65.18	15.27	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1291606	25.0000		50.00- 150.00	100.00	
21.343	21.343	(1.000)	82	692571			3.73- 103.73	53.62	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	573287	25.0000	25.147	50.00- 150.00	100.00	
15.508	15.508	(1.075)	67	304975			3.00- 103.00	53.20	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1498246	25.0000	25.223	50.00- 150.00	100.00	
18.771	18.771	(1.161)	70	157450			0.00- 60.36	10.51	

AMOUNTS

CAL-AMT ON-COL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
 == == ===== == ===== ===== =====

\$ 113 Toluene-d8 (continued)

18.771 18.771 (1.161) 100 1057008 20.63- 120.63 70.55

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.333 23.333 (1.092) 174 653361 25.0000 25.182 50.00- 150.00 100.00

23.333 23.333 (1.092) 95 930787 94.53- 194.53 142.46

23.333 23.333 (1.092) 176 621438 45.49- 145.49 95.11

11 Propylene

CAS #: 115-07-1

5.638 5.638 (0.391) 41 42283 2.00000 2.000 50.00- 150.00 100.00

5.638 5.638 (0.391) 42 30268 21.58- 121.58 71.58

5.638 5.638 (0.391) 39 32853 27.70- 127.70 77.70

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.776 5.776 (0.400) 85 139624 2.00000 2.027 50.00- 150.00 100.00

5.776 5.776 (0.400) 87 45813 0.00- 83.56 32.81

16 Freon 114

CAS #: 76-14-2

6.191 6.191 (0.429) 135 100243 2.00000 2.036 50.00- 150.00 100.00

6.191 6.191 (0.429) 137 31947 0.00- 80.22 31.87

18 Chloromethane

CAS #: 74-87-3

6.550 6.550 (0.454) 50 50569 2.00000 2.000 50.00- 150.00 100.00

6.522 6.522 (0.452) 52 18275 0.00- 86.14 36.14

20 Vinyl Chloride

CAS #: 75-01-4

6.882 6.882 (0.477) 62 66252 2.00000 2.111 50.00- 150.00 100.00

6.882 6.882 (0.477) 64 23271 0.00- 92.18 35.12

22 1,3-Butadiene

CAS #: 106-99-0

6.937 6.937 (0.481) 54 51610 2.00000 2.156 50.00- 150.00 100.00

6.937 6.937 (0.481) 39 46835 40.22- 140.22 90.75

25 Bromomethane

CAS #: 74-83-9

8.071 8.071 (0.559) 94 56055 2.00000 2.080 50.00- 150.00 100.00

8.043 8.043 (0.557) 96 51903 43.97- 143.97 92.59

27 Chloroethane

CAS #: 75-00-3

8.375 8.375 (0.580) 64 28281 2.00000 2.196 50.00- 150.00 100.00

8.347 8.347 (0.578) 49 6307 0.00- 74.21 22.30

8.403 8.403 (0.582) 66 9200 0.00- 89.17 32.53

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.983 8.983 (0.623) 101 133644 2.00000 2.105 50.00- 150.00 100.00

8.956 8.956 (0.621) 103 85272 15.95- 115.95 63.81

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
38 Ethanol						CAS #:	64-17-5			
9.481	9.481	(0.657)	45	20505	2.00000	2.000	50.00- 150.00	100.00		
9.481	9.481	(0.657)	43	3702			0.00- 68.05	18.05		
9.481	9.481	(0.657)	46	7413			0.00- 86.15	36.15		

42 Freon 113						CAS #:	76-13-1			
10.200	10.200	(0.707)	151	81965	2.00000	2.195	50.00- 150.00	100.00		
10.200	10.200	(0.707)	153	54350			15.87- 115.87	66.31		
10.200	10.200	(0.707)	101	111110			89.95- 189.95	135.56		

43 1,1-Dichloroethene						CAS #:	75-35-4			
10.338	10.338	(0.716)	61	90875	2.00000	2.190	50.00- 150.00	100.00		
10.366	10.366	(0.718)	96	60704			21.85- 121.85	66.80		
10.366	10.366	(0.718)	98	39396			0.00- 94.30	43.35		

45 Acetone						CAS #:	67-64-1			
10.504	10.504	(0.728)	58	32262	2.00000	2.000	50.00- 150.00	100.00		
10.504	10.504	(0.728)	43	77853			191.31- 291.31	241.31		

46 2-Propanol						CAS #:	67-63-0			
10.697	10.697	(0.741)	45	92632	2.00000	2.000	50.00- 150.00	100.00		
10.504	10.504	(0.728)	43	97975			55.77- 155.77	105.77		
10.697	10.697	(0.741)	59	3754			0.00- 54.05	4.05		

47 Carbon Disulfide						CAS #:	75-15-0			
10.919	10.919	(0.757)	76	194385	2.00000	2.182	50.00- 150.00	100.00		

51 3-Chloropropene						CAS #:	107-05-1			
11.195	11.195	(0.776)	76	32317	2.00000	2.000	50.00- 150.00	100.00		
11.195	11.195	(0.776)	41	75444			183.45- 283.45	233.45		

54 Methylene Chloride						CAS #:	75-09-2			
11.472	11.472	(0.795)	49	65712	2.00000	2.005	50.00- 150.00	100.00		
11.472	11.472	(0.795)	84	55657			33.41- 133.41	84.70		
11.472	11.472	(0.795)	51	21716			0.00- 87.32	33.05		

60 MTBE						CAS #:	1634-04-4			
11.831	11.831	(0.820)	73	145540	2.00000	2.114	50.00- 150.00	100.00		
11.831	11.831	(0.820)	57	35571			0.00- 74.49	24.44		
11.831	11.831	(0.820)	41	32007			0.00- 75.11	21.99		

61 trans-1,2-Dichloroethene						CAS #:	156-60-5			
11.969	11.969	(0.829)	96	73948	2.00000	2.207	50.00- 150.00	100.00		
11.942	11.942	(0.828)	61	94399			79.96- 179.96	127.66		
11.942	11.942	(0.828)	98	45216			9.90- 109.90	61.15		

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
65 Hexane						CAS #:	110-54-3			
12.329	12.329	(0.854)	57	105555	2.00000	2.109	50.00- 150.00	100.00		
12.329	12.329	(0.854)	43	60536			10.52- 110.52	57.35		
12.329	12.329	(0.854)	86	16294			0.00- 65.45	15.44		

69 Vinyl Acetate						CAS #:	108-05-4			
12.826	12.826	(0.889)	86	14860	2.00000	2.000	50.00- 150.00	100.00		
12.799	12.799	(0.887)	43	145359			928.19-1028.19	978.19		

70 1,1-Dichloroethane						CAS #:	75-34-3			
12.854	12.854	(0.891)	63	116656	2.00000	2.154	50.00- 150.00	100.00		
12.854	12.854	(0.891)	65	36459			0.00- 81.25	31.25		

75 2-Butanone						CAS #:	78-93-3			
13.905	13.905	(0.964)	72	25143	2.00000	2.186	50.00- 150.00	100.00		
13.905	13.905	(0.964)	43	97448			354.33- 454.33	387.58		
13.905	13.905	(0.964)	57	8674			0.00- 86.03	34.50		

76 cis-1,2-Dichloroethene						CAS #:	156-59-2			
13.932	13.932	(0.966)	61	73828	2.00000	2.244	50.00- 150.00	100.00		
13.960	13.960	(0.967)	96	62826			43.86- 143.86	85.10		
13.932	13.932	(0.966)	98	39623			5.05- 105.05	53.67		

80 Tetrahydrofuran						CAS #:	109-99-9			
14.403	14.403	(0.998)	42	57754	2.00000	2.354	50.00- 150.00	100.00		
14.403	14.403	(0.998)	71	22878			0.00- 88.89	39.61		
14.403	14.403	(0.998)	72	23399			0.00- 90.70	40.51		

82 Chloroform						CAS #:	67-66-3			
14.485	14.485	(1.004)	83	100872	2.00000	2.258	50.00- 150.00	100.00		
14.485	14.485	(1.004)	85	64072			12.07- 112.07	63.52		

83 1,1,1-Trichloroethane						CAS #:	71-55-6			
14.845	14.845	(1.029)	97	86357	2.00000	2.198	50.00- 150.00	100.00		
14.845	14.845	(1.029)	99	56948			18.43- 118.43	65.94		

85 Cyclohexane						CAS #:	110-82-7			
14.845	14.845	(1.029)	84	65935	2.00000	2.224	50.00- 150.00	100.00		
14.845	14.845	(1.029)	56	80960			78.78- 178.78	122.79		
14.845	14.845	(1.029)	41	40416			16.91- 116.91	61.30		

87 Carbon Tetrachloride						CAS #:	56-23-5			
15.094	15.094	(1.046)	119	72589	2.00000	2.228	50.00- 150.00	100.00		
15.121	15.121	(1.048)	117	74583			51.40- 151.40	102.75		

91 Benzene						CAS #:	71-43-2			
15.536	15.536	(0.961)	78	146147	2.00000	2.233	50.00- 150.00	100.00		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
15.536	15.536	(0.961)	77	31292			0.00- 75.45	21.41	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
15.426	15.426	(1.069)	57	215165	2.00000	2.142	50.00- 150.00	100.00	
15.426	15.426	(1.069)	56	74107			0.00- 85.38	34.44	
15.426	15.426	(1.069)	41	53091			0.00- 74.55	24.67	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	58300	2.00000	2.154	50.00- 150.00	100.00	
15.647	15.647	(0.968)	64	19781			0.00- 84.49	33.93	

94 Heptane CAS #: 142-82-5									
15.730	15.730	(0.973)	71	44738	2.00000	2.259	50.00- 150.00	100.00	
15.730	15.730	(0.973)	43	83658			141.28- 241.28	187.00	
15.730	15.730	(0.973)	57	44578			56.26- 156.26	99.64	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	59631	2.00000	2.206	50.00- 150.00	100.00	
16.642	16.642	(1.029)	130	55017			42.47- 142.47	92.26	
16.642	16.642	(1.029)	97	37931			14.27- 114.27	63.61	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	50098	2.00000	2.231	50.00- 150.00	100.00	
17.140	17.140	(1.060)	62	36363			26.14- 126.14	72.58	
17.140	17.140	(1.060)	41	29704			14.72- 114.72	59.29	

106 1,4-Dioxane CAS #: 123-91-1									
17.250	17.250	(1.067)	88	30278	2.00000	2.000	50.00- 150.00	100.00	
17.250	17.250	(1.067)	58	22023			22.74- 122.74	72.74	
17.250	17.250	(1.067)	57	6619			0.00- 71.86	21.86	

107 Bromodichloromethane CAS #: 75-27-4									
17.555	17.555	(1.085)	83	83717	2.00000	2.307	50.00- 150.00	100.00	
17.555	17.555	(1.085)	85	55470			17.54- 117.54	66.26	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.329	18.329	(1.133)	75	65412	2.00000	2.262	50.00- 150.00	100.00	
18.329	18.329	(1.133)	77	22607			0.00- 86.54	34.56	
18.329	18.329	(1.133)	39	34019			3.19- 103.19	52.01	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	36787	2.00000	2.241	50.00- 150.00	100.00	
18.522	18.522	(1.145)	43	86955			189.43- 289.43	236.37	
18.522	18.522	(1.145)	85	15510			0.00- 89.83	42.16	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.882	18.882	(1.168)	91	146177	2.00000	2.246	50.00- 150.00	100.00	
18.882	18.882	(1.168)	92	94493			15.20- 115.20	64.64	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
19.324	19.324	(0.904)	75	63540	2.00000	2.264	50.00- 150.00	100.00	
19.324	19.324	(0.904)	77	20815			0.00- 82.96	32.76	
19.324	19.324	(0.904)	39	34366			8.75- 108.75	54.09	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.656	19.656	(0.920)	97	56537	2.00000	2.287	50.00- 150.00	100.00	
19.656	19.656	(0.920)	99	33878			13.98- 113.98	59.92	
19.656	19.656	(0.920)	83	46798			35.49- 135.49	82.77	

120 Tetrachloroethene						CAS #: 127-18-4			
19.849	19.849	(0.929)	166	63038	2.00000	2.238	50.00- 150.00	100.00	
19.822	19.822	(0.928)	129	48952			27.50- 127.50	77.65	
19.822	19.822	(0.928)	131	47203			22.28- 122.28	74.88	

121 2-Hexanone						CAS #: 591-78-6			
19.960	19.960	(0.934)	58	48371	2.00000	2.000	50.00- 150.00	100.00	
19.960	19.960	(0.934)	43	84128			123.92- 223.92	173.92	
19.960	19.960	(0.934)	100	9084			0.00- 68.78	18.78	

122 Dibromochloromethane						CAS #: 124-48-1			
20.347	20.347	(0.952)	129	72574	2.00000	2.400	50.00- 150.00	100.00	
20.347	20.347	(0.952)	127	56664			26.66- 126.66	78.08	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.624	20.624	(0.965)	107	84565	2.00000	2.318	50.00- 150.00	100.00	
20.624	20.624	(0.965)	109	81307			42.02- 142.02	96.15	

127 Chlorobenzene						CAS #: 108-90-7			
21.398	21.398	(1.001)	112	122017	2.00000	2.255	50.00- 150.00	100.00	
21.398	21.398	(1.001)	114	38581			0.00- 82.12	31.62	
21.398	21.398	(1.001)	77	76838			28.46- 128.46	62.97	

128 Ethyl Benzene						CAS #: 100-41-4			
21.481	21.481	(1.005)	106	61281	2.00000	2.249	50.00- 150.00	100.00	
21.481	21.481	(1.005)	91	193797			260.46- 360.46	316.24	

129 m,p-Xylene						CAS #: 108-38-3			
21.674	21.674	(1.014)	106	81265	2.00000	2.263	50.00- 150.00	100.00	
21.674	21.674	(1.014)	91	152166			133.48- 233.48	187.25	

130 o-Xylene						CAS #: 95-47-6			
22.393	22.393	(1.048)	106	69770	2.00000	2.292	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	139916			156.56- 256.56	200.54	

131 Styrene									
22.421	22.421	(1.049)	104	118578	2.00000	2.491	50.00- 150.00	100.00	
22.421	22.421	(1.049)	78	52499			7.41- 107.41	44.27	

133 Bromoform									
22.836	22.836	(1.069)	173	54999	2.00000	2.467	50.00- 150.00	100.00	
22.836	22.836	(1.069)	171	28480			0.45- 100.45	51.78	

134 Cumene									
22.974	22.974	(1.075)	105	177277	2.00000	2.321	50.00- 150.00	100.00	
22.974	22.974	(1.075)	120	48474			0.00- 81.77	27.34	
22.946	22.946	(1.074)	51	17379			0.00- 63.47	9.80	

140 1,1,2,2-Tetrachloroethane									
23.527	23.527	(1.101)	83	112850	2.00000	2.364	50.00- 150.00	100.00	
23.527	23.527	(1.101)	85	70767			12.43- 112.43	62.71	

142 Propylbenzene									
23.637	23.637	(1.106)	91	236475	2.00000	2.253	50.00- 150.00	100.00	
23.637	23.637	(1.106)	120	54537			0.00- 74.17	23.06	
23.637	23.637	(1.106)	105	9094			0.00- 54.33	3.85	

145 4-Ethyltoluene									
23.831	23.831	(1.115)	105	220247	2.00000	2.307	50.00- 150.00	100.00	
23.831	23.831	(1.115)	120	61234			0.00- 81.42	27.80	

147 1,3,5-Trimethylbenzene									
23.914	23.914	(1.119)	105	163365	2.00000	2.292	50.00- 150.00	100.00	
23.914	23.914	(1.119)	120	93657			5.19- 105.19	57.33	

150 1,2,4-Trimethylbenzene									
24.550	24.550	(1.149)	105	150907	2.00000	2.249	50.00- 150.00	100.00	
24.550	24.550	(1.149)	120	75466			0.00- 97.63	50.01	

155 1,3-Dichlorobenzene									
25.131	25.131	(1.176)	146	103315	2.00000	2.278	50.00- 150.00	100.00	
25.131	25.131	(1.176)	148	66280			11.96- 111.96	64.15	
25.131	25.131	(1.176)	111	42332			0.00- 90.51	40.97	

156 1,4-Dichlorobenzene									
25.269	25.269	(1.182)	146	106232	2.00000	2.245	50.00- 150.00	100.00	
25.269	25.269	(1.182)	148	66046			12.18- 112.18	62.17	
25.269	25.269	(1.182)	111	43439			0.00- 89.04	40.89	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
25.490	25.490	(1.193)	91	124111	2.00000	2.348	50.00- 150.00	100.00	
25.490	25.490	(1.193)	126	25296			0.00- 71.62	20.38	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.932	25.932	(1.213)	146	94307	2.00000	2.208	50.00- 150.00	100.00	
25.932	25.932	(1.213)	148	60088			14.49- 114.49	63.72	
25.932	25.932	(1.213)	111	39938			0.00- 92.03	42.35	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.808	28.808	(1.348)	180	37206	2.00000	2.000	50.00- 150.00	100.00	
28.808	28.808	(1.348)	182	34649			43.13- 143.13	93.13	

166	Hexachlorobutadiene					CAS #: 87-68-3			
29.001	29.001	(1.357)	225	34829	2.00000	2.000	50.00- 150.00	100.00	
29.001	29.001	(1.357)	223	22788			15.43- 115.43	65.43	

167	Naphthalene					CAS #: 91-20-3			
29.389	29.389	(1.375)	128	75861	2.00000	2.000	50.00- 150.00	100.00	
29.389	29.389	(1.375)	127	9333			0.00- 62.30	12.30	

29	Isopentane					CAS #: 78-78-4			
8.403	8.403	(0.582)	43	73107	2.00000	2.000	50.00- 150.00	100.00	
8.403	8.403	(0.582)	57	55847			26.39- 126.39	76.39	

19	Butane					CAS #: 106-97-8			
6.771	6.771	(0.469)	58	11715	2.00000	2.000	50.00- 150.00	100.00	
6.771	6.771	(0.469)	43	91711			732.85- 832.85	782.85	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.919	16.919	(1.172)	83	71606	2.00000	2.164	50.00- 150.00	100.00	
16.919	16.919	(1.172)	98	35760			0.00- 99.22	49.94	
16.919	16.919	(1.172)	55	64619			42.40- 142.40	90.24	

Report Date: 04-Oct-2007 08:14

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100304.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 2ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	506872	-9.30
97 1,4-Difluorobenze	1930047	1158028	2702066	1723934	-10.68
126 Chlorobenzene-d5	1418145	850887	1985403	1291606	-8.92

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-03octa.b/7100304.d

Date: 03-OCT-2007 13:32

Client ID: Level 3

Sample Info: 2mL #1576-21

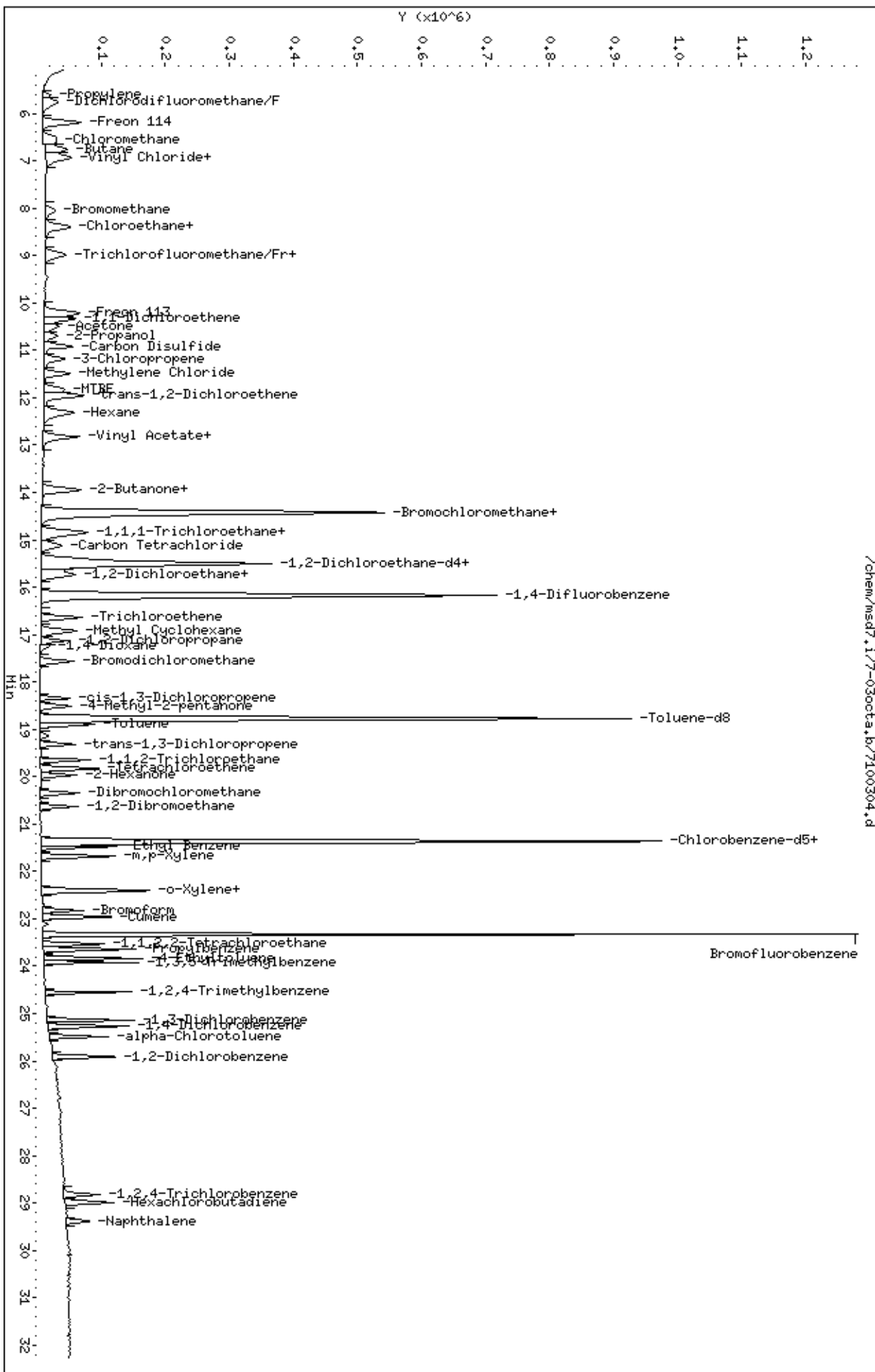
Column phase: RTX-624

Instrument: msd7.1

Operator: cb

Column diameter: 0.53

Page 1



Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03oct.b/7100312.d
 Lab Smp Id: ICAL Client Smp ID: level 4
 Inj Date : 03-OCT-2007 19:38
 Operator : dm Inst ID: msd7.i
 Smp Info : 8.0mL #1487-393
 Misc Info : 200ppbv-8.0ppbv
 Comment :
 Method : /chem/msd7.i/7-03oct.b/t14q003a.m
 Meth Date : 04-Oct-2007 09:17 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 19:38 Cal File: 7100312.d
 Als bottle: 1 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp22a.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5								
14.416	14.416	(1.000)	130	597587	25.0000		50.00- 150.00	100.00
14.416	14.416	(1.000)	128	463906			27.87- 127.87	77.63
14.416	14.416	(1.000)	49	862143			122.40- 222.40	144.27

* 97 1,4-Difluorobenzene CAS #: 540-36-3								
16.186	16.186	(1.000)	114	1938680	25.0000		50.00- 150.00	100.00
16.186	16.186	(1.000)	88	303615			0.00- 65.40	15.66

* 126 Chlorobenzene-d5 CAS #: 3114-55-4								
21.356	21.356	(1.000)	117	1386172	25.0000		50.00- 150.00	100.00
21.356	21.356	(1.000)	82	761062			4.54- 104.54	54.90

5 Freon 143a CAS #: 420-46-2								
5.335	5.335	(0.370)	65	84720	8.00000	7.779	50.00- 150.00	100.00
5.279	5.279	(0.366)	69	937035			1056.04-1156.04	1106.04
5.307	5.307	(0.368)	64	29997			0.00- 82.65	35.41

6 Freon142b CAS #: 75-68-3								
6.321	6.321	(0.438)	65	335629	8.00000	7.795	50.00- 150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
6 Freon142b (continued)									
6.349	6.349	(0.440)	45	85731			0.00- 80.56	25.54	

9 Freon 13 CAS #: 75-72-9									
5.223	5.223	(0.362)	85	103333	8.00000	7.958	50.00- 150.00	100.00	
5.223	5.223	(0.362)	87	36117			0.00- 83.91	34.95	
5.279	5.279	(0.366)	69	933446			853.62- 953.62	903.34	

13 Freon 134a CAS #: 811-97-2									
5.448	5.448	(0.378)	83	173111	8.00000	7.990	50.00- 150.00	100.00	
5.279	5.279	(0.366)	69	937035			493.32- 593.32	541.29	
5.448	5.448	(0.378)	63	29227			0.00- 67.46	16.88	

15 Freon 152a CAS #: 75-37-6									
5.673	5.673	(0.394)	65	145729	8.00000	7.759	50.00- 150.00	100.00	
5.673	5.673	(0.394)	51	190378			82.98- 182.98	130.64	
5.673	5.673	(0.394)	47	47496			0.00- 82.07	32.59	

17 Freon 22 CAS #: 75-45-6									
5.814	5.814	(0.403)	51	418458	8.00000	7.904	50.00- 150.00	100.00	
5.842	5.842	(0.405)	67	46413			0.00- 60.78	11.09	
5.814	5.814	(0.403)	85	7061			0.00- 51.46	1.69	

26 Methanol CAS #: 67-56-1									
7.560	7.560	(0.524)	31	500247	48.0000	36.277	50.00- 150.00	100.00(a)	
7.560	7.560	(0.524)	32	1119855			324.10- 424.10	223.86	

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4									
8.912	8.912	(0.618)	67	420884	8.00000	7.930	50.00- 150.00	100.00	
8.912	8.912	(0.618)	69	135520			0.00- 81.48	32.20	
8.912	8.912	(0.618)	35	17165			0.00- 54.37	4.08	

40 Freon123a CAS #: 354-23-4									
9.798	9.798	(0.680)	117	252033	8.00000	7.972	50.00- 150.00	100.00	
9.798	9.798	(0.680)	67	390588			103.99- 203.99	154.97	

41 Freon123 CAS #: 306-83-2									
9.964	9.964	(0.691)	83	478037	8.00000	8.067	50.00- 150.00	100.00	
9.964	9.964	(0.691)	133	73665			0.00- 67.29	15.41	
9.964	9.964	(0.691)	85	342314			22.59- 122.59	71.61	

57 tert-Butyl-Alcohol CAS #: 75-65-0									
11.513	11.513	(0.799)	59	544723	8.00000	7.958	50.00- 150.00	100.00	
11.513	11.513	(0.799)	41	111075			0.00- 69.86	20.39	
11.513	11.513	(0.799)	57	51236			0.00- 60.23	9.41	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
68 Isopropyl ether						CAS #: 108-20-3			
12.729	12.729	(0.883)	45	853874	8.00000	7.955	50.00- 150.00	100.00	
12.729	12.729	(0.883)	87	226295			0.00- 76.24	26.50	
12.702	12.702	(0.881)	59	71338			0.00- 62.75	8.35	

71 1-Propanol						CAS #: 71-23-8			
12.840	12.840	(0.891)	42	56720	8.00000	7.658	50.00- 150.00	100.00	
12.840	12.840	(0.891)	59	83879			143.82- 243.82	147.88	
12.702	12.702	(0.881)	41	153282			211.11- 311.11	270.24	

73 t-Butylethyl Ether						CAS #: 637-92-3			
13.393	13.393	(0.929)	59	737367	8.00000	7.991	50.00- 150.00	100.00	
13.393	13.393	(0.929)	87	299867			0.00- 90.26	40.67	
13.365	13.365	(0.927)	41	125823			0.00- 68.10	17.06	

77 Ethyl Acetate						CAS #: 141-78-6			
13.891	13.891	(0.964)	45	82740	8.00000	7.721	50.00- 150.00	100.00	
13.891	13.891	(0.964)	61	79948			44.13- 144.13	96.63	
13.891	13.891	(0.964)	43	531746			563.95- 663.95	642.67	

92 tert-amyl-Methyl Ether						CAS #: 994-05-8			
15.550	15.550	(1.079)	73	515565	8.00000	7.975	50.00- 150.00	100.00	
15.550	15.550	(1.079)	87	120808			0.00- 72.87	23.43	
15.550	15.550	(1.079)	55	134471			0.00- 77.29	26.08	

96 2-Heptanone						CAS #: 110-43-0			
22.517	22.517	(1.562)	58	287749	8.00000	7.848	50.00- 150.00	100.00	
22.517	22.517	(1.562)	43	417434			93.30- 193.30	145.07	

98 1-Butanol						CAS #: 71-36-3			
16.324	16.324	(1.009)	56	126734	8.00000	8.306	50.00- 150.00	100.00	
16.324	16.324	(1.009)	41	85815			18.18- 118.18	67.71	
16.324	16.324	(1.009)	43	68106			3.53- 103.53	53.74	

99 Isobutanol						CAS #: 78-83-1			
15.162	15.162	(1.052)	59	6235	8.00000	8.884	50.00- 150.00	100.00	
15.162	15.162	(1.052)	41	115597			2021.37-2121.37	1854.00	
15.162	15.162	(1.052)	43	165868			2906.39-3006.39	2660.27	

119 Butyl Acetate						CAS #: 123-86-4			
20.084	20.084	(1.241)	56	210591	8.00000	8.044	50.00- 150.00	100.00	
20.084	20.084	(1.241)	73	70620			0.00- 83.77	33.53	
20.084	20.084	(1.241)	43	479782			175.69- 275.69	227.83	

135 Cyclohexanone						CAS #: 108-94-1			
23.291	23.291	(1.091)	55	193077	8.00000	7.562	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
135 Cyclohexanone (continued)									
23.291	23.291	(1.091)	98	87763			0.00- 94.85	45.45	
23.291	23.291	(1.091)	42	125497			14.08- 114.08	65.00	

146 Diisobutyl Ketone									
						CAS #: 108-83-8			
24.066	24.066	(1.127)	57	529565	8.00000	7.552	50.00- 150.00	100.00	
24.093	24.093	(1.128)	85	461022			35.95- 135.95	87.06	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

QC Flag Legend

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

Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100312.d

Calibration Time: 20:17

Lab Smp Id: ICAL

Client Smp ID: level 4

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03oct.b/t14q003a.m

Misc Info: 200ppbv-8.0ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	623417	374050	872784	597587	-4.14
97 1,4-Difluorobenze	2025381	1215229	2835533	1938680	-4.28
126 Chlorobenzene-d5	1452610	871566	2033654	1386172	-4.57

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.44	14.11	14.77	14.42	-0.19
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	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/msd7.1/7-03oct.b/7100312.d

Date : 03-OCT-2007 19:38

Client ID: Level 4

Sample Info: 8.0mL #1487-393

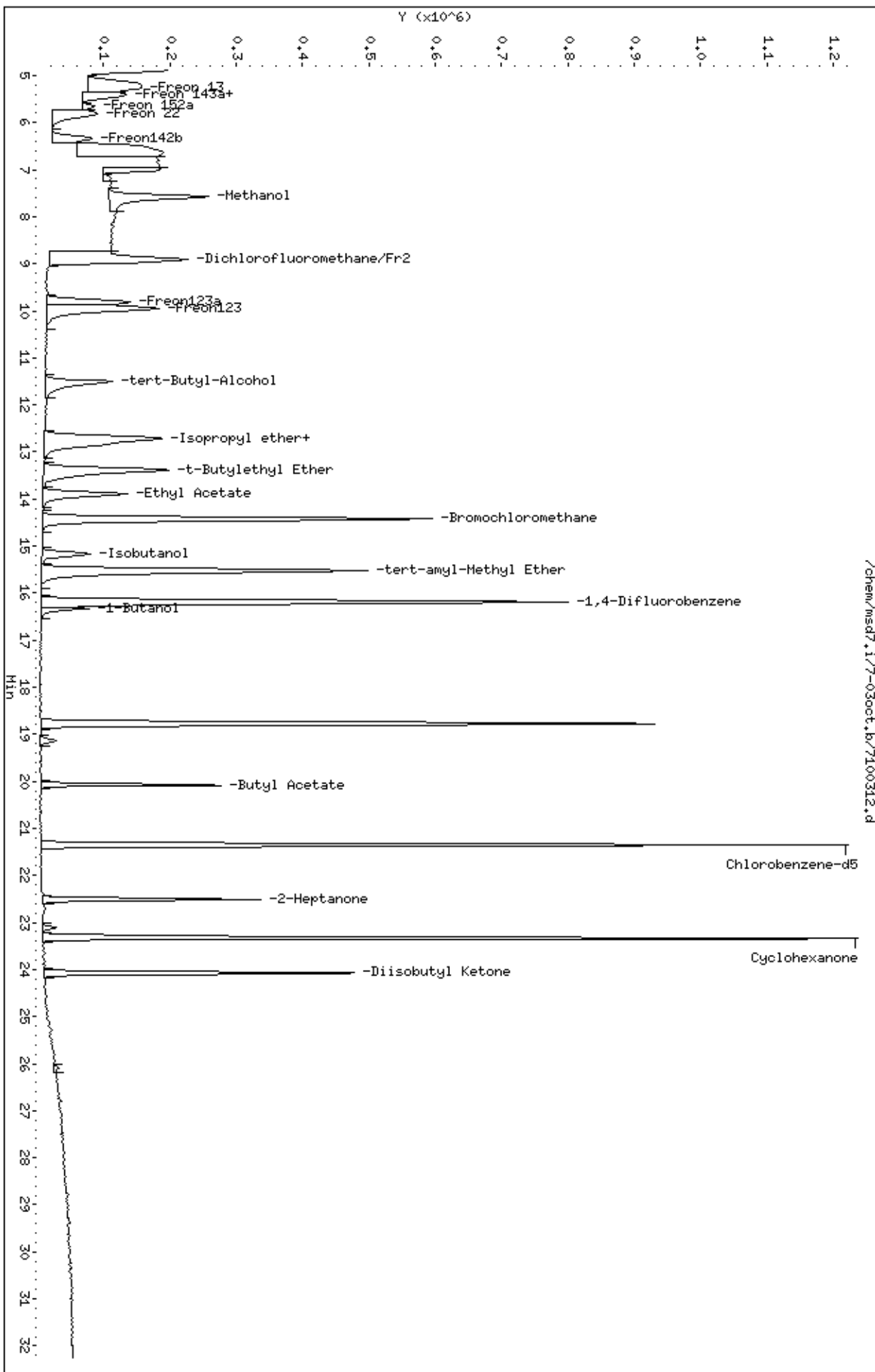
Column phase: RTX-624

Instrument: msd7.i

Operator: dm

Column diameter: 0.53

Page 1



Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100305.d
 Lab Smp Id: ICAL Client Smp ID: Level 4
 Inj Date : 03-OCT-2007 14:11
 Operator : dm Inst ID: msd7.i
 Smp Info : 25mL #1576-21
 Misc Info : 200ppbv --> 25ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:15 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 14:11 Cal File: 7100305.d
 Als bottle: 1 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	522485	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	406214				28.00- 128.00	77.75
14.430	14.430	(1.000)	49	912231				107.24- 207.24	174.59

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1792496	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	276059				0.00- 65.23	15.40

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1359727	25.0000			50.00- 150.00	100.00
21.370	21.370	(1.000)	82	739070				3.88- 103.88	54.35

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	603794	25.0000	25.516		50.00- 150.00	100.00
15.508	15.508	(1.075)	67	329273				3.38- 103.38	54.53

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1579114	25.0000	25.424		50.00- 150.00	100.00
18.771	18.771	(1.161)	70	170762				0.00- 60.47	10.81

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.771	18.771	(1.161)	100	1120481			20.71- 120.71	70.96
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.333	23.333	(1.092)	174	696979	25.0000	25.386	50.00- 150.00	100.00
23.333	23.333	(1.092)	95	1011553			94.68- 194.68	145.13
23.333	23.333	(1.092)	176	678469			45.95- 145.95	97.34

11 Propylene

CAS #: 115-07-1

5.638	5.638	(0.391)	41	578437	25.0000	25.748	50.00- 150.00	100.00
5.638	5.638	(0.391)	42	408746			21.12- 121.12	70.66
5.638	5.638	(0.391)	39	415731			24.78- 124.78	71.87

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.776	5.776	(0.400)	85	1981274	25.0000	26.866	50.00- 150.00	100.00
5.776	5.776	(0.400)	87	630755			0.00- 82.98	31.84

16 Freon 114

CAS #: 76-14-2

6.191	6.191	(0.429)	135	1401460	25.0000	26.683	50.00- 150.00	100.00
6.191	6.191	(0.429)	137	439492			0.00- 80.60	31.36

18 Chloromethane

CAS #: 74-87-3

6.522	6.522	(0.452)	50	619846	25.0000	24.376	50.00- 150.00	100.00
6.522	6.522	(0.452)	52	210538			0.00- 85.05	33.97

20 Vinyl Chloride

CAS #: 75-01-4

6.909	6.909	(0.479)	62	927336	25.0000	27.333	50.00- 150.00	100.00
6.909	6.909	(0.479)	64	296947			0.00- 88.79	32.02

22 1,3-Butadiene

CAS #: 106-99-0

6.965	6.965	(0.483)	54	694384	25.0000	27.013	50.00- 150.00	100.00
6.965	6.965	(0.483)	39	636243			40.69- 140.69	91.63

25 Bromomethane

CAS #: 74-83-9

8.071	8.071	(0.559)	94	814777	25.0000	27.726	50.00- 150.00	100.00
8.071	8.071	(0.559)	96	760392			43.75- 143.75	93.33

27 Chloroethane

CAS #: 75-00-3

8.375	8.375	(0.580)	64	459757	25.0000	30.688	50.00- 150.00	100.00
8.375	8.375	(0.580)	49	108230			0.00- 73.99	23.54
8.402	8.402	(0.582)	66	146467			0.00- 86.73	31.86

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.983	8.983	(0.623)	101	1990908	25.0000	28.369	50.00- 150.00	100.00
8.983	8.983	(0.623)	103	1285423			15.49- 115.49	64.56

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.481	9.481	(0.657)	45	309267	25.0000	26.964	50.00- 150.00	100.00	
9.481	9.481	(0.657)	43	60488			0.00- 68.81	19.56	
9.481	9.481	(0.657)	46	117185			0.00- 87.02	37.89	

42 Freon 113						CAS #: 76-13-1			
10.227	10.227	(0.709)	151	1235158	25.0000	29.318	50.00- 150.00	100.00	
10.227	10.227	(0.709)	153	788381			15.19- 115.19	63.83	
10.227	10.227	(0.709)	101	1645965			87.72- 187.72	133.26	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.366	10.366	(0.718)	61	1361776	25.0000	29.177	50.00- 150.00	100.00	
10.366	10.366	(0.718)	96	940868			20.93- 120.93	69.09	
10.366	10.366	(0.718)	98	588734			0.00- 93.94	43.23	

45 Acetone						CAS #: 67-64-1			
10.532	10.532	(0.730)	58	455403	25.0000	26.140	50.00- 150.00	100.00	
10.532	10.532	(0.730)	43	1216435			204.21- 304.21	267.11	

46 2-Propanol						CAS #: 67-63-0			
10.697	10.697	(0.741)	45	1525413	25.0000	28.051	50.00- 150.00	100.00	
10.697	10.697	(0.741)	43	361033			14.72- 114.72	23.67	
10.697	10.697	(0.741)	59	67616			0.00- 54.24	4.43	

47 Carbon Disulfide						CAS #: 75-15-0			
10.919	10.919	(0.757)	76	2931567	25.0000	29.226	50.00- 150.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
11.195	11.195	(0.776)	76	527608	25.0000	27.945	50.00- 150.00	100.00	
11.195	11.195	(0.776)	41	1203919			180.82- 280.82	228.18	

54 Methylene Chloride						CAS #: 75-09-2			
11.499	11.499	(0.797)	49	976902	25.0000	27.483	50.00- 150.00	100.00	
11.499	11.499	(0.797)	84	817032			33.48- 133.48	83.64	
11.499	11.499	(0.797)	51	300876			0.00- 85.15	30.80	

60 MTBE						CAS #: 1634-04-4			
11.831	11.831	(0.820)	73	2083760	25.0000	27.745	50.00- 150.00	100.00	
11.831	11.831	(0.820)	57	468581			0.00- 73.82	22.49	
11.831	11.831	(0.820)	41	418847			0.00- 73.44	20.10	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.969	11.969	(0.829)	96	1094439	25.0000	29.094	50.00- 150.00	100.00	
11.969	11.969	(0.829)	61	1451737			80.86- 180.86	132.65	
11.969	11.969	(0.829)	98	692318			11.02- 111.02	63.26	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
12.329	12.329	(0.854)	57	1571297	25.0000	28.392	50.00- 150.00	100.00	
12.329	12.329	(0.854)	43	947419			10.45- 110.45	60.30	
12.329	12.329	(0.854)	86	253653			0.00- 65.68	16.14	

69 Vinyl Acetate						CAS #: 108-05-4			
12.826	12.826	(0.889)	86	239264	25.0000	27.774	50.00- 150.00	100.00	
12.826	12.826	(0.889)	43	2448738			950.82-1050.82	1023.45	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.854	12.854	(0.891)	63	1743884	25.0000	28.835	50.00- 150.00	100.00	
12.854	12.854	(0.891)	65	556316			0.00- 81.47	31.90	

75 2-Butanone						CAS #: 78-93-3			
13.905	13.905	(0.964)	72	428108	25.0000	31.450	50.00- 150.00	100.00	
13.905	13.905	(0.964)	43	1671097			349.67- 449.67	390.34	
13.905	13.905	(0.964)	57	134595			0.00- 84.50	31.44	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.960	13.960	(0.967)	61	1157889	25.0000	30.434	50.00- 150.00	100.00	
13.960	13.960	(0.967)	96	935997			39.52- 139.52	80.84	
13.960	13.960	(0.967)	98	603099			4.06- 104.06	52.09	

80 Tetrahydrofuran						CAS #: 109-99-9			
14.430	14.430	(1.000)	42	932046	25.0000	31.828	50.00- 150.00	100.00	
14.430	14.430	(1.000)	71	373721			0.00- 89.29	40.10	
14.430	14.430	(1.000)	72	405696			0.00- 91.64	43.53	

82 Chloroform						CAS #: 67-66-3			
14.485	14.485	(1.004)	83	1541740	25.0000	30.868	50.00- 150.00	100.00	
14.513	14.513	(1.006)	85	1007970			12.90- 112.90	65.38	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.845	14.845	(1.029)	97	1355876	25.0000	30.081	50.00- 150.00	100.00	
14.845	14.845	(1.029)	99	876878			17.17- 117.17	64.67	

85 Cyclohexane						CAS #: 110-82-7			
14.872	14.872	(1.031)	84	1000594	25.0000	29.677	50.00- 150.00	100.00	
14.872	14.872	(1.031)	56	1214509			76.31- 176.31	121.38	
14.872	14.872	(1.031)	41	622654			15.35- 115.35	62.23	

87 Carbon Tetrachloride						CAS #: 56-23-5			
15.121	15.121	(1.048)	119	1159400	25.0000	30.632	50.00- 150.00	100.00	
15.121	15.121	(1.048)	117	1188945			51.78- 151.78	102.55	

91 Benzene						CAS #: 71-43-2			
15.536	15.536	(0.961)	78	2211275	25.0000	30.229	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
15.536	15.536	(0.961)	77	468300			0.00- 74.38	21.18	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
15.425	15.425	(1.069)	57	3304386	25.0000	29.220	50.00- 150.00	100.00	
15.425	15.425	(1.069)	56	1133526			0.00- 85.02	34.30	
15.425	15.425	(1.069)	41	796109			0.00- 74.40	24.09	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	914010	25.0000	29.534	50.00- 150.00	100.00	
15.647	15.647	(0.968)	64	285731			0.00- 83.41	31.26	

94 Heptane CAS #: 142-82-5									
15.730	15.730	(0.973)	71	691031	25.0000	30.123	50.00- 150.00	100.00	
15.730	15.730	(0.973)	43	1254426			138.03- 238.03	181.53	
15.730	15.730	(0.973)	57	679260			53.60- 153.60	98.30	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	904189	25.0000	29.363	50.00- 150.00	100.00	
16.670	16.670	(1.031)	130	855081			43.17- 143.17	94.57	
16.642	16.642	(1.029)	97	579133			14.19- 114.19	64.05	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	793516	25.0000	30.347	50.00- 150.00	100.00	
17.140	17.140	(1.060)	62	574243			24.88- 124.88	72.37	
17.140	17.140	(1.060)	41	425552			11.02- 111.02	53.63	

106 1,4-Dioxane CAS #: 123-91-1									
17.278	17.278	(1.068)	88	505688	25.0000	28.118	50.00- 150.00	100.00	
17.250	17.250	(1.067)	58	344338			20.41- 120.41	68.09	
17.250	17.250	(1.067)	57	108365			0.00- 71.64	21.43	

107 Bromodichloromethane CAS #: 75-27-4									
17.554	17.554	(1.085)	83	1395758	25.0000	31.894	50.00- 150.00	100.00	
17.554	17.554	(1.085)	85	901434			16.56- 116.56	64.58	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.356	18.356	(1.135)	75	1133520	25.0000	32.237	50.00- 150.00	100.00	
18.356	18.356	(1.135)	77	359538			0.00- 84.94	31.72	
18.329	18.329	(1.133)	39	564989			2.08- 102.08	49.84	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	621972	25.0000	31.616	50.00- 150.00	100.00	
18.522	18.522	(1.145)	43	1514277			190.78- 290.78	243.46	
18.522	18.522	(1.145)	85	254500			0.00- 90.20	40.92	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114	Toluene					CAS #:	108-88-3		
18.882	18.882	(1.168)	91	2269528	25.0000	30.106	50.00- 150.00	100.00	
18.882	18.882	(1.168)	92	1460365			14.92- 114.92	64.35	

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6		
19.324	19.324	(0.904)	75	1111015	25.0000	32.197	50.00- 150.00	100.00	
19.324	19.324	(0.904)	77	355530			0.00- 82.64	32.00	
19.324	19.324	(0.904)	39	548528			5.62- 105.62	49.37	

117	1,1,2-Trichloroethane					CAS #:	79-00-5		
19.656	19.656	(0.920)	97	854832	25.0000	29.739	50.00- 150.00	100.00	
19.656	19.656	(0.920)	99	537661			13.62- 113.62	62.90	
19.656	19.656	(0.920)	83	721643			35.14- 135.14	84.42	

120	Tetrachloroethene					CAS #:	127-18-4		
19.849	19.849	(0.929)	166	962288	25.0000	29.516	50.00- 150.00	100.00	
19.849	19.849	(0.929)	129	723850			26.74- 126.74	75.22	
19.849	19.849	(0.929)	131	691643			22.15- 122.15	71.87	

121	2-Hexanone					CAS #:	591-78-6		
19.960	19.960	(0.934)	58	869038	25.0000	28.861	50.00- 150.00	100.00	
19.960	19.960	(0.934)	43	1501157			123.33- 223.33	172.74	
19.960	19.960	(0.934)	100	152246			0.00- 68.15	17.52	

122	Dibromochloromethane					CAS #:	124-48-1		
20.347	20.347	(0.952)	129	1249530	25.0000	32.980	50.00- 150.00	100.00	
20.347	20.347	(0.952)	127	963427			26.81- 126.81	77.10	

123	1,2-Dibromoethane					CAS #:	106-93-4		
20.624	20.624	(0.965)	107	1326168	25.0000	30.634	50.00- 150.00	100.00	
20.624	20.624	(0.965)	109	1250443			42.78- 142.78	94.29	

127	Chlorobenzene					CAS #:	108-90-7		
21.398	21.398	(1.001)	112	1756434	25.0000	28.611	50.00- 150.00	100.00	
21.398	21.398	(1.001)	114	557852			0.00- 82.00	31.76	
21.398	21.398	(1.001)	77	1026951			21.80- 121.80	58.47	

128	Ethyl Benzene					CAS #:	100-41-4		
21.508	21.508	(1.006)	106	930982	25.0000	29.524	50.00- 150.00	100.00	
21.481	21.481	(1.005)	91	2818258			257.88- 357.88	302.72	

129	m,p-Xylene					CAS #:	108-38-3		
21.702	21.702	(1.016)	106	1170114	25.0000	28.673	50.00- 150.00	100.00	
21.702	21.702	(1.016)	91	2204806			135.13- 235.13	188.43	

130	o-Xylene					CAS #:	95-47-6		
22.393	22.393	(1.048)	106	997536	25.0000	28.774	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	1986395			154.08- 254.08	199.13	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	1728202	25.0000	31.495	50.00- 150.00	100.00	
22.421	22.421	(1.049)	78	798750			4.61- 104.61	46.22	

133 Bromoform CAS #: 75-25-2									
22.836	22.836	(1.069)	173	972515	25.0000	33.987	50.00- 150.00	100.00	
22.836	22.836	(1.069)	171	502667			0.86- 100.86	51.69	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	2446182	25.0000	28.858	50.00- 150.00	100.00	
22.974	22.974	(1.075)	120	668832			0.00- 80.66	27.34	
22.946	22.946	(1.074)	51	227974			0.00- 62.43	9.32	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	1492836	25.0000	27.952	50.00- 150.00	100.00	
23.527	23.527	(1.101)	85	959278			13.04- 113.04	64.26	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	3152136	25.0000	27.245	50.00- 150.00	100.00	
23.637	23.637	(1.106)	120	711838			0.00- 73.64	22.58	
23.637	23.637	(1.106)	105	117677			0.00- 54.13	3.73	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	2804332	25.0000	26.862	50.00- 150.00	100.00	
23.831	23.831	(1.115)	120	917876			0.00- 81.86	32.73	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	2083932	25.0000	26.785	50.00- 150.00	100.00	
23.914	23.914	(1.119)	120	1090842			4.24- 104.24	52.35	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	1968887	25.0000	26.843	50.00- 150.00	100.00	
24.550	24.550	(1.149)	120	964549			0.00- 98.09	48.99	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	1322903	25.0000	26.741	50.00- 150.00	100.00	
25.130	25.130	(1.176)	148	837557			12.41- 112.41	63.31	
25.130	25.130	(1.176)	111	535785			0.00- 90.51	40.50	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	1351813	25.0000	26.382	50.00- 150.00	100.00	
25.269	25.269	(1.182)	148	859901			12.66- 112.66	63.61	
25.269	25.269	(1.182)	111	521637			0.00- 88.89	38.59	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159 alpha-Chlorotoluene						CAS #: 100-44-7			
25.490	25.490	(1.193)	91	1939652	25.0000	30.806	50.00- 150.00	100.00	
25.490	25.490	(1.193)	126	400281			0.00- 71.29	20.64	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.932	25.932	(1.213)	146	1167892	25.0000	25.640	50.00- 150.00	100.00	
25.932	25.932	(1.213)	148	743213			14.21- 114.21	63.64	
25.932	25.932	(1.213)	111	481282			0.00- 91.76	41.21	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.808	28.808	(1.348)	180	312200	25.0000	19.469	50.00- 150.00	100.00	
28.808	28.808	(1.348)	182	295246			43.85- 143.85	94.57	

166 Hexachlorobutadiene						CAS #: 87-68-3			
29.001	29.001	(1.357)	225	260433	25.0000	18.117	50.00- 150.00	100.00	
29.001	29.001	(1.357)	223	163461			14.10- 114.10	62.77	

167 Naphthalene						CAS #: 91-20-3			
29.388	29.388	(1.375)	128	603260	25.0000	18.834	50.00- 150.00	100.00	
29.388	29.388	(1.375)	127	69674			0.00- 61.93	11.55	

29 Isopentane						CAS #: 78-78-4			
8.402	8.402	(0.582)	43	1036670	25.0000	26.196	50.00- 150.00	100.00	
8.402	8.402	(0.582)	57	740413			23.91- 123.91	71.42	

19 Butane						CAS #: 106-97-8			
6.771	6.771	(0.469)	58	159442	25.0000	25.684	50.00- 150.00	100.00	
6.771	6.771	(0.469)	43	1198390			717.23- 817.23	751.62	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.919	16.919	(1.172)	83	1160734	25.0000	30.375	50.00- 150.00	100.00	
16.919	16.919	(1.172)	98	530617			0.00- 98.05	45.71	
16.919	16.919	(1.172)	55	943443			38.69- 138.69	81.28	

Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100305.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 4

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 25ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	522485	-6.51
97 1,4-Difluorobenze	1930047	1158028	2702066	1792496	-7.13
126 Chlorobenzene-d5	1418145	850887	1985403	1359727	-4.12

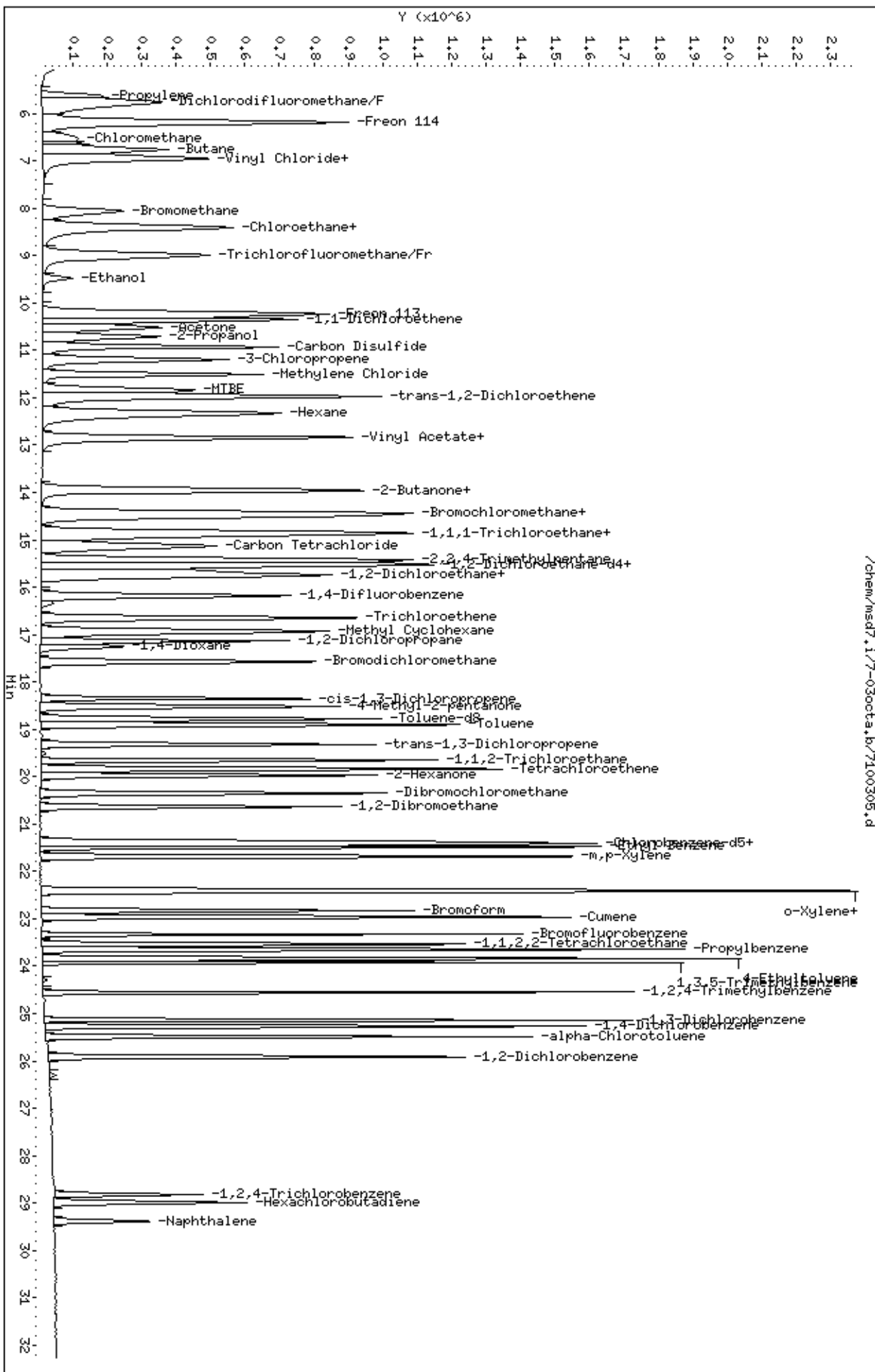
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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: 04-Oct-2007 15:07

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100407.d
 Lab Smp Id: ICAL Client Smp ID: Level 5
 Inj Date : 04-OCT-2007 14:00
 Operator : ct Inst ID: msd7.i
 Smp Info : 50mL #1443-354
 Misc Info : 50ppbv (200ppbv) sp19b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 15:07 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:00 Cal File: 7100407.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: Sp19b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	779330	25.0000			80.00- 120.00	100.00
14.430	14.430	(1.000)	128	605998				27.76- 127.76	77.76
14.430	14.430	(1.000)	49	976878				75.35- 175.35	125.35

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	2375765	25.0000			80.00- 120.00	100.00
16.172	16.172	(1.000)	88	368880				0.00- 65.53	15.53

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1739353	25.0000			80.00- 120.00	100.00
21.343	21.343	(1.000)	82	945774				4.37- 104.37	54.38

21 Isobutane CAS #: 75-28-5									
6.274	6.274	(0.435)	43	3209621	50.0000	49.448		80.00- 120.00	100.00(M)
6.274	6.274	(0.435)	42	1055207				0.00- 77.95	32.88
6.274	6.274	(0.435)	58	70383				0.00- 52.07	2.19

35 1-Pentene CAS #: 109-67-1									
9.011	9.011	(0.624)	55	2485295	50.0000	52.021		80.00- 120.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
35 1-Pentene (continued)									
9.011	9.011	(0.624)	42	5357055			167.72- 267.72	215.55	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

37 Pentane CAS #: 109-66-0									
9.121	9.121	(0.632)	43	3819491	50.0000	51.598	80.00- 120.00	100.00	
9.121	9.121	(0.632)	57	611421			0.00- 66.06	16.01	
9.121	9.121	(0.632)	72	456581			0.00- 61.96	11.95	

39 Ethyl Ether CAS #: 60-29-7									
9.702	9.702	(0.672)	74	1266994	50.0000	53.818	80.00- 120.00	100.00	
9.702	9.702	(0.672)	59	1647462			81.66- 181.66	130.03	
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00	

44 Acrolein CAS #: 107-02-8									
10.172	10.172	(0.705)	55	607397	50.0000	51.734	80.00- 120.00	100.00	
10.200	10.200	(0.707)	56	887472			89.89- 189.89	146.11	

48 Ethyl acrylate CAS #: 140-88-5									
16.697	16.697	(0.781)	99	291445	50.0000	57.124	80.00- 120.00	100.00	
16.697	16.697	(0.781)	45	371304			77.40- 177.40	127.40	
16.697	16.697	(0.781)	55	3867114			1276.88-1376.88	1326.88	

49 Iodomethane CAS #: 74-88-4									
10.780	10.780	(0.747)	142	6543888	50.0000	54.687	80.00- 120.00	100.00	
10.780	10.780	(0.747)	127	2148942			0.00- 82.70	32.84	

50 Methyl Methacrylate CAS #: 80-62-6									
17.112	17.112	(0.801)	41	2391964	50.0000	54.630	80.00- 120.00	100.00	
17.112	17.112	(0.801)	69	1841750			24.18- 124.18	77.00	
17.140	17.140	(0.802)	100	683048			0.00- 77.68	28.56	

52 Acetonitrile CAS #: 75-05-8									
11.250	11.250	(0.780)	40	1308186	50.0000	53.944	80.00- 120.00	100.00	
11.250	11.250	(0.780)	41	2235607			119.24- 219.24	170.89	
11.250	11.250	(0.780)	38	432136			0.00- 85.33	33.03	

56 Cyclopentane CAS #: 287-92-3									
11.472	11.472	(0.795)	70	1605082	50.0000	52.202	80.00- 120.00	100.00	
11.472	11.472	(0.795)	55	1926460			72.53- 172.53	120.02	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

62 Acrylonitrile CAS #: 107-13-1									
12.052	12.052	(0.835)	52	1316451	50.0000	54.812	80.00- 120.00	100.00	
12.052	12.052	(0.835)	53	1852218			93.41- 193.41	140.70	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
63 2-Pentanone						CAS #: 107-87-9			
16.919	16.919	(0.792)	43	4659706	50.0000	57.144	80.00- 120.00	100.00	
16.919	16.919	(0.792)	58	379228			0.00- 58.14	8.14	
16.919	16.919	(0.792)	86	849960			0.00- 67.96	18.24	

66 1-Hexene						CAS #: 592-41-6			
12.191	12.191	(0.845)	55	1468029	50.0000	50.225	80.00- 120.00	100.00	
12.191	12.191	(0.845)	41	2222670			94.46- 194.46	151.41	
12.191	12.191	(0.845)	84	675290			0.00- 93.33	46.00	

79 Methyl Acrylate						CAS #: 96-33-3			
14.015	14.015	(0.971)	55	3611958	50.0000	56.836	80.00- 120.00	100.00	
14.043	14.043	(0.973)	85	672378			0.00- 68.42	18.62	
14.015	14.015	(0.971)	58	349778			0.00- 59.76	9.68	

100 trans-1,4-dichloro-2-butene						CAS #: 110-57-6			
23.637	23.637	(1.106)	75	1466894	50.0000	54.958	80.00- 120.00	100.00	
23.637	23.637	(1.106)	89	755415			0.00- 99.86	51.50	
23.637	23.637	(1.106)	53	1028274			19.63- 119.63	70.10	

103 Alphamethylstyrene						CAS #: 98-83-9			
24.301	24.301	(1.137)	118	2735287	50.0000	53.275	80.00- 120.00	100.00	
24.301	24.301	(1.137)	103	1412708			1.38- 101.38	51.65	

105 Dibromomethane						CAS #: 74-95-3			
17.361	17.361	(0.812)	174	1861127	50.0000	50.950	80.00- 120.00	100.00	
17.361	17.361	(0.812)	93	2005226			55.09- 155.09	107.74	
17.361	17.361	(0.812)	95	1670919			38.54- 138.54	89.78	

124 Nonane						CAS #: 111-84-2			
21.481	21.481	(1.005)	43	3356495	50.0000	51.977	80.00- 120.00	100.00	
21.481	21.481	(1.005)	57	3065530			41.72- 141.72	91.33	
21.481	21.481	(1.005)	85	1138979			0.00- 84.22	33.93	

151 bis(2-chloroethyl)ether						CAS #: 111-44-4			
24.909	24.909	(1.166)	93	3054549	50.0000	52.881	80.00- 120.00	100.00	
24.909	24.909	(1.166)	95	983606			0.00- 82.47	32.20	

QC Flag Legend

M - Compound response manually integrated.

Report Date: 04-Oct-2007 15:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100407.d

Calibration Time: 14:00

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 50ppbv (200ppbv) spl9b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	779330	467598	1091062	779330	0.00
97 1,4-Difluorobenze	2375765	1425459	3326071	2375765	0.00
126 Chlorobenzene-d5	1739353	1043612	2435094	1739353	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100407.d

Date : 04-OCT-2007 14:00

Client ID: Level 5

Sample Info: 50mL #1443-354

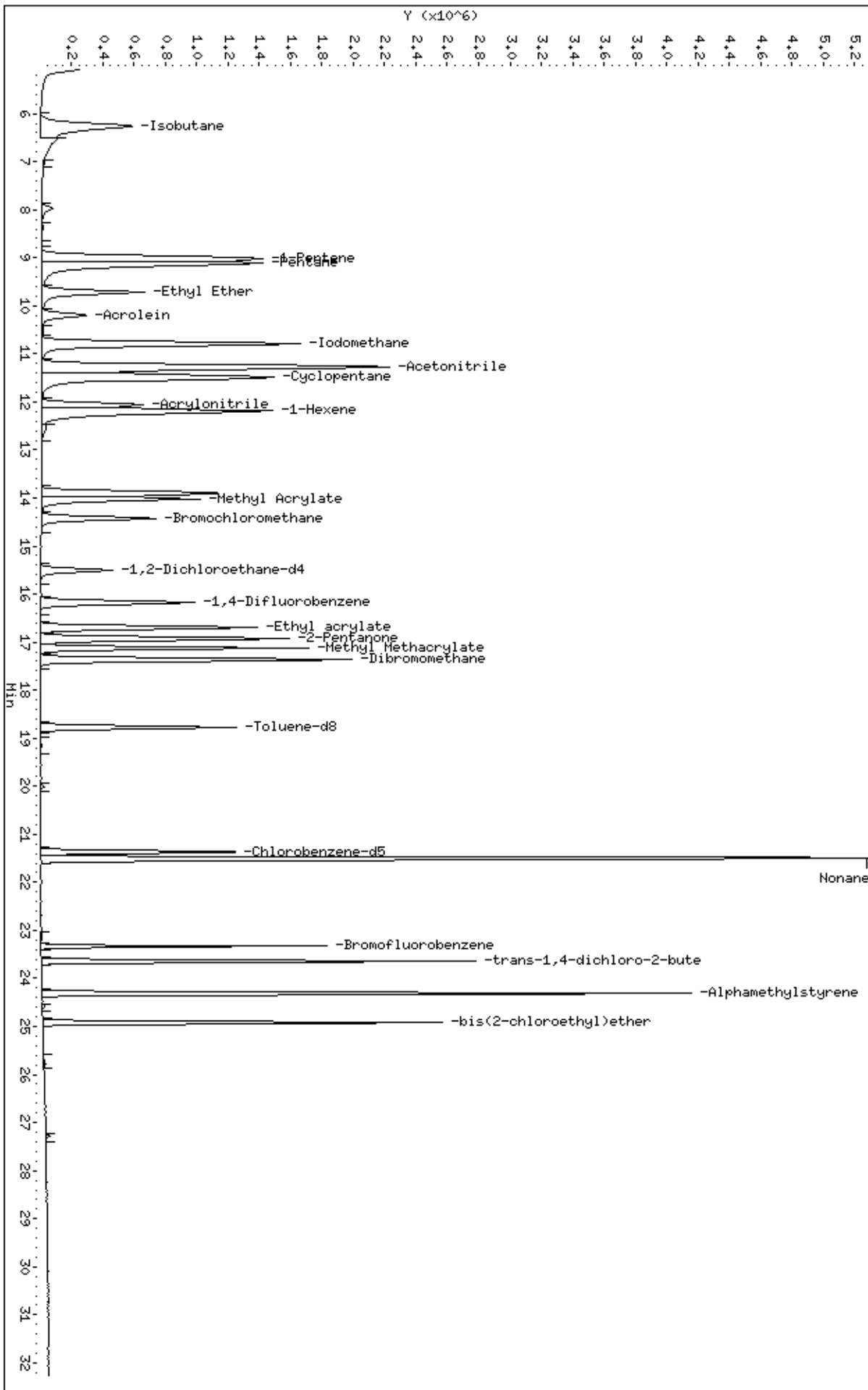
Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53

/chem/msd7.1/7-04oct.b/7100407.d



Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100403.d
 Lab Smp Id: ICAL Client Smp ID: Level 5
 Inj Date : 04-OCT-2007 11:17
 Operator : ct Inst ID: msd7.i
 Smp Info : 50mL #1487-370
 Misc Info : 50ppbv (200ppbv) sp16b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 12:17 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 11:17 Cal File: 7100403.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp16b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	797030	25.0000			80.00- 120.00	100.00
14.430	14.430	(1.000)	128	615561				27.23- 127.23	77.23
14.430	14.430	(1.000)	49	971593				71.90- 171.90	121.90

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	2404743	25.0000			80.00- 120.00	100.00
16.172	16.172	(1.000)	88	375139				0.00- 65.60	15.60

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1823268	25.0000			80.00- 120.00	100.00
21.370	21.370	(1.000)	82	984793				4.32- 104.32	54.01

55 Cyclopentene CAS #: 142-29-0									
11.278	11.278	(0.782)	67	8649865	50.0000	51.342		80.00- 120.00	100.00
11.278	11.278	(0.782)	68	3579712				0.00- 90.78	41.38
11.278	11.278	(0.782)	53	1439531				0.00- 66.87	16.64

78 2,2-Dichloropropane CAS #: 594-20-7									
13.905	13.905	(0.964)	77	4701389	50.0000	51.950		80.00- 120.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
78 2,2-Dichloropropane (continued)									
13.905	13.905	(0.964)	79	1533043			0.00- 82.61	32.61	
13.905	13.905	(0.964)	97	1006989			0.00- 71.53	21.42	

88 1,1-Dichloropropane CAS #: 563-58-6									
15.149	15.149	(0.937)	110	1787982	50.0000	51.826	80.00- 120.00	100.00	
15.149	15.149	(0.937)	75	4668172			215.94- 315.94	261.09	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.988	19.988	(1.236)	76	4955419	50.0000	50.510	80.00- 120.00	100.00	
19.988	19.988	(1.236)	41	3255148			15.69- 115.69	65.69	
19.988	19.988	(1.236)	78	1606399			0.00- 82.85	32.42	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.536	21.536	(1.008)	131	3174217	50.0000	47.468	80.00- 120.00	100.00	
21.536	21.536	(1.008)	117	2235421			20.19- 120.19	70.42	
21.536	21.536	(1.008)	95	1201991			0.00- 87.01	37.87	

136 Bromobenzene CAS #: 108-86-1									
23.637	23.637	(1.106)	156	3866108	50.0000	43.603	80.00- 120.00	100.00	
23.637	23.637	(1.106)	158	3740709			46.76- 146.76	96.76	
23.610	23.610	(1.105)	77	7856322			147.67- 247.67	203.21	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.665	23.665	(1.107)	110	1766800	50.0000	45.291	80.00- 120.00	100.00	
23.665	23.665	(1.107)	75	5443865			258.12- 358.12	308.12	
23.665	23.665	(1.107)	61	1332243			25.09- 125.09	75.40	

141 2-Chlorotoluene CAS #: 95-49-8									
23.886	23.886	(1.118)	126	2885165	50.0000	45.443	80.00- 120.00	100.00	
23.886	23.886	(1.118)	91	8222707			235.00- 335.00	285.00	
23.886	23.886	(1.118)	65	766355			0.00- 76.25	26.56	

143 4-Chlorotoluene CAS #: 106-43-4									
24.080	24.080	(1.127)	126	3159417	50.0000	45.652	80.00- 120.00	100.00	
24.080	24.080	(1.127)	91	9176994			240.46- 340.46	290.46	
24.080	24.080	(1.127)	63	1119933			0.00- 83.89	35.45	

153 p-Cymene CAS #: 99-87-6									
25.020	25.020	(1.171)	119	8677721	50.0000	43.248	80.00- 120.00	100.00	
25.020	25.020	(1.171)	134	2439016			0.00- 78.04	28.11	
25.020	25.020	(1.171)	91	2117864			0.00- 73.82	24.41	

154 1,2,3-Trimethylbenzene CAS #: 526-73-8									
25.269	25.269	(1.182)	120	3685470	50.0000	46.162	80.00- 120.00	100.00	
25.269	25.269	(1.182)	105	7829622			162.45- 262.45	212.45	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
154 1,2,3-Trimethylbenzene (continued)									
25.269	25.269	(1.182)	77	1000856			0.00- 77.38	27.16	

158 Butylbenzene CAS #: 104-51-8									
25.711	25.711	(1.203)	134	2453189	50.0000	45.175	80.00- 120.00	100.00	
25.711	25.711	(1.203)	91	9630755			342.58- 442.58	392.58	
25.711	25.711	(1.203)	92	5559800			174.00- 274.00	226.64	

148 tert-Butylbenzene CAS #: 98-06-6									
24.467	24.467	(1.145)	119	7826733	50.0000	42.779	80.00- 120.00	100.00	
24.467	24.467	(1.145)	134	1968401			0.00- 75.15	25.15	
24.467	24.467	(1.145)	91	5456112			18.49- 118.49	69.71	

149 sec-Butylbenzene CAS #: 135-98-8									
24.826	24.826	(1.162)	105	10724897	50.0000	42.111	80.00- 120.00	100.00	
24.826	24.826	(1.162)	134	2149518			0.00- 70.04	20.04	
24.826	24.826	(1.162)	91	1673006			0.00- 65.33	15.60	

162 1,2-Dibromo-3-Chloropropane CAS #: 96-12-8									
27.287	27.287	(1.277)	157	2917110	50.0000	49.738	80.00- 120.00	100.00	
27.287	27.287	(1.277)	75	2422194			33.03- 133.03	83.03	
27.287	27.287	(1.277)	155	2274439			27.51- 127.51	77.97	

201 Pentachloroethane CAS #: 76-01-7									
24.605	24.605	(1.151)	167	2219930	50.0000	46.051	80.00- 120.00	100.00	
24.605	24.605	(1.151)	117	2401011			59.43- 159.43	108.16	
24.605	24.605	(1.151)	169	1061854			0.00- 98.64	47.83	

Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100403.d

Calibration Time: 11:17

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 50ppbv (200ppbv) spl6b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	797030	478218	1115842	797030	0.00
97 1,4-Difluorobenze	2404743	1442846	3366640	2404743	0.00
126 Chlorobenzene-d5	1823268	1093961	2552575	1823268	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100403.d

Date: 04-OCT-2007 11:17

Client ID: Level 5

Sample Info: 50mL #1487-370

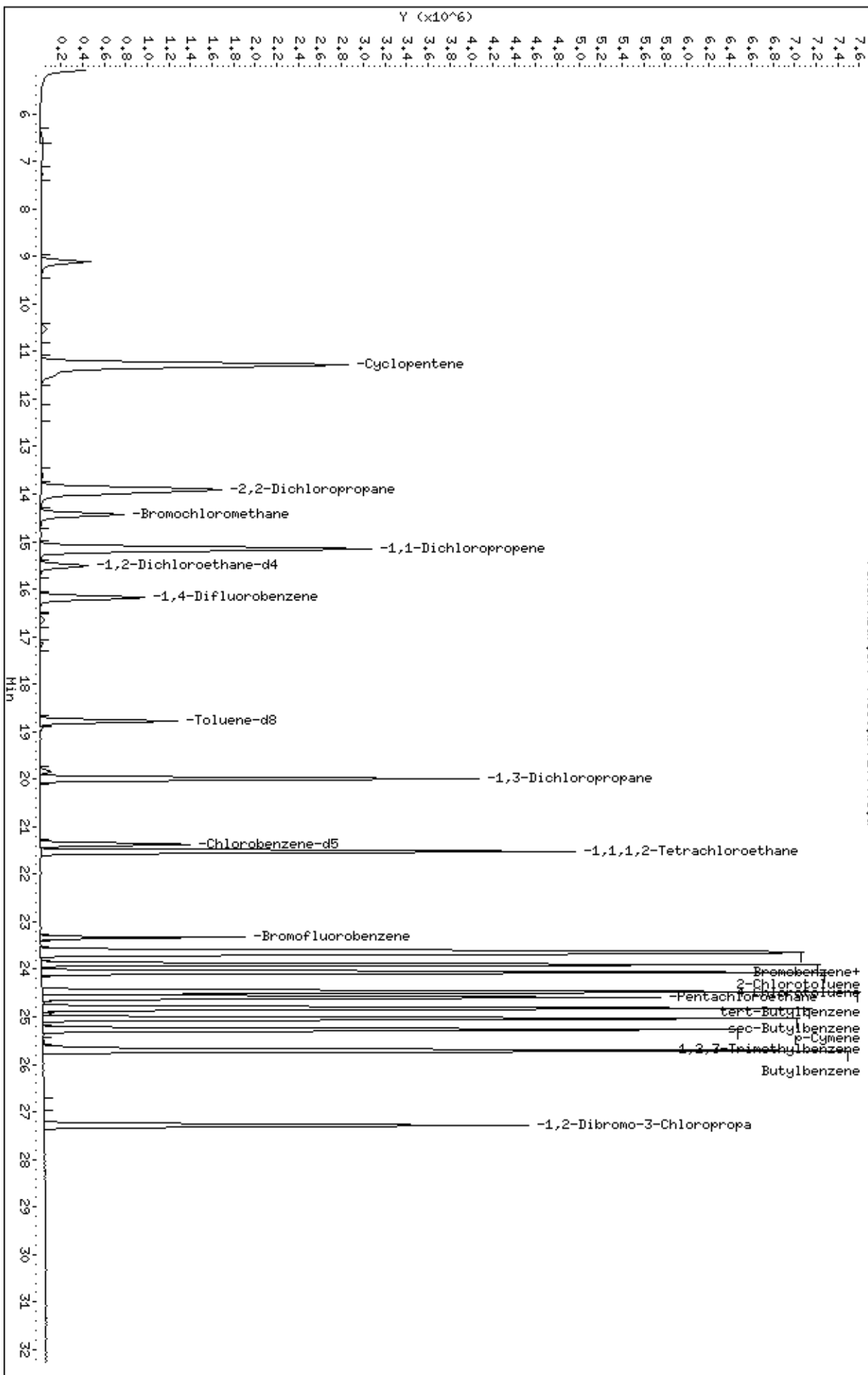
Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53

/chem/msd7.1/7-04oct.b/7100403.d



Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03oct.b/7100313.d
 Lab Smp Id: ICAL Client Smp ID: level 5
 Inj Date : 03-OCT-2007 20:17
 Operator : dm Inst ID: msd7.i
 Smp Info : 50mL #1487-393
 Misc Info : 200ppbv-50ppbv
 Comment :
 Method : /chem/msd7.i/7-03oct.b/t14q003a.m
 Meth Date : 04-Oct-2007 09:17 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 20:17 Cal File: 7100313.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp22a.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		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.444	14.444 (1.000)	130	623417 25.0000			80.00-	120.00	100.00	
14.444	14.444 (1.000)	128	487439			28.19-	128.19	78.19	
14.444	14.444 (1.000)	49	868390			89.30-	189.30	139.30	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.186	16.186 (1.000)	114	2025381 25.0000			80.00-	120.00	100.00	
16.186	16.186 (1.000)	88	311029			0.00-	65.36	15.36	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.356	21.356 (1.000)	117	1452610 25.0000			80.00-	120.00	100.00	
21.356	21.356 (1.000)	82	807222			4.63-	104.63	55.57	

5 Freon 143a CAS #: 420-46-2									
5.307	5.307 (0.367)	65	575161 50.0000	50.415		80.00-	120.00	100.00	
5.251	5.251 (0.364)	69	6419927			1056.04-	1156.04	1116.20	
5.307	5.307 (0.367)	64	172122			0.00-	81.74	29.93	

6 Freon142b CAS #: 75-68-3									
6.349	6.349 (0.440)	65	2301854 50.0000	50.825		80.00-	120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
6 Freon142b (continued)									
6.349	6.349	(0.440)	45	563597			0.00- 78.54	24.48	

9 Freon 13 CAS #: 75-72-9									
5.194	5.194	(0.360)	85	727975	50.0000	52.435	80.00- 120.00	100.00	
5.194	5.194	(0.360)	87	235698			0.00- 83.40	32.38	
5.251	5.251	(0.364)	69	6409962			845.92- 945.92	880.52	

13 Freon 134a CAS #: 811-97-2									
5.448	5.448	(0.377)	83	1164600	50.0000	51.008	80.00- 120.00	100.00	
5.251	5.251	(0.364)	69	6419927			495.97- 595.97	551.26	
5.448	5.448	(0.377)	63	162750			0.00- 66.30	13.97	

15 Freon 152a CAS #: 75-37-6									
5.673	5.673	(0.393)	65	968799	50.0000	49.628	80.00- 120.00	100.00	
5.673	5.673	(0.393)	51	1369994			85.79- 185.79	141.41	
5.673	5.673	(0.393)	47	331630			0.00- 82.79	34.23	

17 Freon 22 CAS #: 75-45-6									
5.814	5.814	(0.403)	51	2773050	50.0000	50.140	80.00- 120.00	100.00	
5.842	5.842	(0.404)	67	310831			0.00- 60.92	11.21	
5.842	5.842	(0.404)	85	38653			0.00- 51.44	1.39	

26 Methanol CAS #: 67-56-1									
7.616	7.616	(0.527)	31	3034464	300.0000	234.10	80.00- 120.00	100.00	
7.616	7.616	(0.527)	32	2069741			18.21- 118.21	68.21	

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4									
8.940	8.940	(0.619)	67	2951214	50.0000	52.155	80.00- 120.00	100.00	
8.940	8.940	(0.619)	69	948838			0.00- 81.71	32.15	
8.940	8.940	(0.619)	35	113771			0.00- 54.20	3.86	

40 Freon123a CAS #: 354-23-4									
9.826	9.826	(0.680)	117	1811442	50.0000	53.177	80.00- 120.00	100.00	
9.826	9.826	(0.680)	67	2712244			102.57- 202.57	149.73	

41 Freon123 CAS #: 306-83-2									
9.992	9.992	(0.692)	83	3240453	50.0000	51.587	80.00- 120.00	100.00	
9.992	9.992	(0.692)	133	544338			0.00- 67.12	16.80	
9.992	9.992	(0.692)	85	2328594			22.35- 122.35	71.86	

57 tert-Butyl-Alcohol CAS #: 75-65-0									
11.541	11.541	(0.799)	59	3623994	50.0000	50.497	80.00- 120.00	100.00	
11.541	11.541	(0.799)	41	703793			0.00- 69.86	19.42	
11.541	11.541	(0.799)	57	331700			0.00- 60.23	9.15	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
68 Isopropyl ether										
						CAS #:	108-20-3			
12.729	12.729	(0.881)	45	5801454	50.0000	51.191	80.00-	120.00	100.00	
12.729	12.729	(0.881)	87	1601428			0.00-	76.70	27.60	
12.729	12.729	(0.881)	59	457512			0.00-	61.13	7.89	

71 1-Propanol										
						CAS #:	71-23-8			
12.868	12.868	(0.891)	42	408532	50.0000	51.881	80.00-	120.00	100.00	
12.868	12.868	(0.891)	59	676090			134.38-	234.38	165.49	
12.729	12.729	(0.881)	41	1046902			209.49-	309.49	256.26	

73 t-Butylethyl Ether										
						CAS #:	637-92-3			
13.393	13.393	(0.927)	59	5109647	50.0000	52.012	80.00-	120.00	100.00	
13.393	13.393	(0.927)	87	2121109			0.00-	90.68	41.51	
13.393	13.393	(0.927)	41	832147			0.00-	67.49	16.29	

77 Ethyl Acetate										
						CAS #:	141-78-6			
13.918	13.918	(0.964)	45	554317	50.0000	49.722	80.00-	120.00	100.00	
13.918	13.918	(0.964)	61	594067			48.48-	148.48	107.17	
13.918	13.918	(0.964)	43	3812307			588.55-	688.55	687.75	

92 tert-amyl-Methyl Ether										
						CAS #:	994-05-8			
15.550	15.550	(1.077)	73	3624949	50.0000	52.440	80.00-	120.00	100.00	
15.550	15.550	(1.077)	87	832371			0.00-	72.90	22.96	
15.550	15.550	(1.077)	55	898684			0.00-	76.45	24.79	

96 2-Heptanone										
						CAS #:	110-43-0			
22.517	22.517	(1.559)	58	2218646	50.0000	55.068	80.00-	120.00	100.00	
22.517	22.517	(1.559)	43	3221761			93.94-	193.94	145.21	

98 1-Butanol										
						CAS #:	71-36-3			
16.352	16.352	(1.010)	56	1092082	50.0000	60.985	80.00-	120.00	100.00	
16.324	16.324	(1.009)	41	755410			18.51-	118.51	69.17	
16.324	16.324	(1.009)	43	590722			3.72-	103.72	54.09	

99 Isobutanol										
						CAS #:	78-83-1			
15.163	15.163	(1.050)	59	35998	50.0000	49.440	80.00-	120.00	100.00	
15.163	15.163	(1.050)	41	921911			2184.58-	2284.58	2561.01	
15.163	15.163	(1.050)	43	1305623			3129.91-	3229.91	3626.93	

119 Butyl Acetate										
						CAS #:	123-86-4			
20.084	20.084	(1.241)	56	1530984	50.0000	53.831	80.00-	120.00	100.00	
20.084	20.084	(1.241)	73	522926			0.00-	84.16	34.16	
20.084	20.084	(1.241)	43	3630306			187.12-	287.12	237.12	

135 Cyclohexanone										
						CAS #:	108-94-1			
23.292	23.292	(1.091)	55	1428826	50.0000	52.218	80.00-	120.00	100.00	

AMOUNTS

RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
135 Cyclohexanone (continued)								
23.292	23.292	(1.091)	98	653842			0.00- 95.16	45.76
23.292	23.292	(1.091)	42	934206			14.52- 114.52	65.38

146 Diisobutyl Ketone						CAS #: 108-83-8		
24.066	24.066	(1.127)	57	3297053	50.0000	46.456	80.00- 120.00	100.00
24.093	24.093	(1.128)	85	2881726			37.40- 137.40	87.40
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100313.d

Calibration Time: 20:17

Lab Smp Id: ICAL

Client Smp ID: level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03oct.b/t14q003a.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	623417	374050	872784	623417	0.00
97 1,4-Difluorobenze	2025381	1215229	2835533	2025381	0.00
126 Chlorobenzene-d5	1452610	871566	2033654	1452610	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.44	14.11	14.77	14.44	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	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/msd7.1/7-03oct.bv/7100313.d

Date : 03-OCT-2007 20:17

Client ID: Level 5

Sample Info: 50mL #1487-393

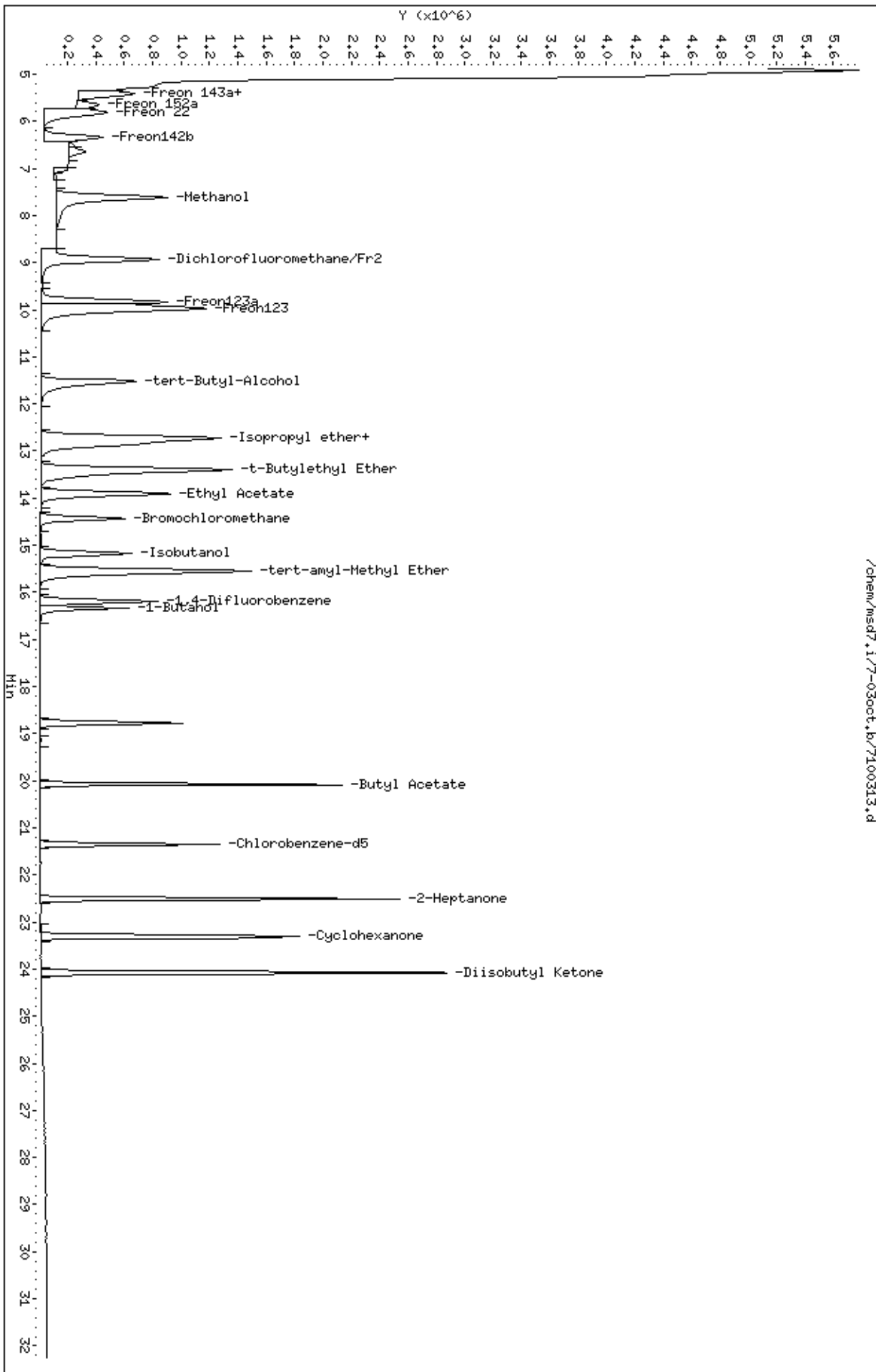
Column phase: RTX-624

Instrument: msd7.i

Operator: dm

Column diameter: 0.53

/chem/msd7.1/7-03oct.bv/7100313.d



Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100306.d
 Lab Smp Id: ICAL Client Smp ID: Level 5
 Inj Date : 03-OCT-2007 14:49
 Operator : dm Inst ID: msd7.i
 Smp Info : 50mL #1576-21
 Misc Info : 200ppbv --> 50ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:15 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 14:49 Cal File: 7100306.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	558854	25.0000			80.00- 120.00	100.00
14.430	14.430	(1.000)	128	434863				27.81- 127.81	77.81
14.430	14.430	(1.000)	49	1091930				145.39- 245.39	195.39

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1930047	25.0000			80.00- 120.00	100.00
16.172	16.172	(1.000)	88	296924				0.00- 65.38	15.38

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1418145	25.0000			80.00- 120.00	100.00
21.370	21.370	(1.000)	82	780256				4.11- 104.11	55.02

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.509	15.509	(1.075)	65	663127	25.0000	25.951		80.00- 120.00	100.00
15.509	15.509	(1.075)	67	374380				4.00- 104.00	56.46

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1682388	25.0000	25.124		80.00- 120.00	100.00
18.771	18.771	(1.161)	70	178458				0.00- 60.50	10.61

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.771	18.771	(1.161)	100	1202128			20.86- 120.86	71.45		

\$ 137 Bromofluorobenzene										
						CAS #:	460-00-4			
23.333	23.333	(1.092)	174	742027	25.0000	25.726	80.00- 120.00	100.00		
23.333	23.333	(1.092)	95	1057157			92.47- 192.47	142.47		
23.333	23.333	(1.092)	176	711707			45.91- 145.91	95.91		

11 Propylene										
						CAS #:	115-07-1			
5.610	5.610	(0.389)	41	1154736	50.0000	48.687	80.00- 120.00	100.00		
5.610	5.610	(0.389)	42	804690			20.64- 120.64	69.69		
5.610	5.610	(0.389)	39	831053			23.85- 123.85	71.97		

12 Dichlorodifluoromethane/Fr12										
						CAS #:	75-71-8			
5.748	5.748	(0.398)	85	3873519	50.0000	49.327	80.00- 120.00	100.00		
5.748	5.748	(0.398)	87	1256806			0.00- 82.85	32.45		

16 Freon 114										
						CAS #:	76-14-2			
6.191	6.191	(0.429)	135	2707010	50.0000	48.627	80.00- 120.00	100.00		
6.191	6.191	(0.429)	137	848633			0.00- 81.35	31.35		

18 Chloromethane										
						CAS #:	74-87-3			
6.522	6.522	(0.452)	50	1231915	50.0000	46.760	80.00- 120.00	100.00		
6.522	6.522	(0.452)	52	430661			0.00- 85.02	34.96		

20 Vinyl Chloride										
						CAS #:	75-01-4			
6.882	6.882	(0.477)	62	1892902	50.0000	51.604	80.00- 120.00	100.00		
6.882	6.882	(0.477)	64	606902			0.00- 87.11	32.06		

22 1,3-Butadiene										
						CAS #:	106-99-0			
6.937	6.937	(0.481)	54	1405002	50.0000	50.821	80.00- 120.00	100.00		
6.937	6.937	(0.481)	39	1304006			41.22- 141.22	92.81		

25 Bromomethane										
						CAS #:	74-83-9			
8.043	8.043	(0.557)	94	1684141	50.0000	52.638	80.00- 120.00	100.00		
8.043	8.043	(0.557)	96	1574336			43.48- 143.48	93.48		

27 Chloroethane										
						CAS #:	75-00-3			
8.375	8.375	(0.580)	64	997876	50.0000	58.671	80.00- 120.00	100.00		
8.375	8.375	(0.580)	49	232799			0.00- 73.82	23.33		
8.403	8.403	(0.582)	66	322018			0.00- 85.62	32.27		

31 Trichlorofluoromethane/Fr11										
						CAS #:	75-69-4			
8.983	8.983	(0.623)	101	4140932	50.0000	53.776	80.00- 120.00	100.00		
8.983	8.983	(0.623)	103	2685182			14.84- 114.84	64.84		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.453	9.453	(0.655)	45	637650	50.0000	51.301	80.00- 120.00	100.00	
9.453	9.453	(0.655)	43	120335			0.00- 68.83	18.87	
9.453	9.453	(0.655)	46	243564			0.00- 87.41	38.20	

42 Freon 113						CAS #: 76-13-1			
10.227	10.227	(0.709)	151	2504026	50.0000	54.064	80.00- 120.00	100.00	
10.227	10.227	(0.709)	153	1581163			13.14- 113.14	63.14	
10.227	10.227	(0.709)	101	3305713			82.02- 182.02	132.02	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.366	10.366	(0.718)	61	2773622	50.0000	54.057	80.00- 120.00	100.00	
10.366	10.366	(0.718)	96	1870609			17.44- 117.44	67.44	
10.366	10.366	(0.718)	98	1194445			0.00- 93.06	43.06	

45 Acetone						CAS #: 67-64-1			
10.532	10.532	(0.730)	58	921948	50.0000	49.649	80.00- 120.00	100.00	
10.504	10.504	(0.728)	43	2487176			209.40- 309.40	269.77	

46 2-Propanol						CAS #: 67-63-0			
10.698	10.698	(0.741)	45	3164142	50.0000	52.849	80.00- 120.00	100.00	
10.698	10.698	(0.741)	43	711828			0.64- 100.64	22.50	
10.698	10.698	(0.741)	59	131722			0.00- 54.22	4.16	

47 Carbon Disulfide						CAS #: 75-15-0			
10.919	10.919	(0.757)	76	5924481	50.0000	53.815	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
11.195	11.195	(0.776)	76	1067202	50.0000	51.862	80.00- 120.00	100.00	
11.195	11.195	(0.776)	41	2452486			180.48- 280.48	229.81	

54 Methylene Chloride						CAS #: 75-09-2			
11.499	11.499	(0.797)	49	1959950	50.0000	51.154	80.00- 120.00	100.00	
11.499	11.499	(0.797)	84	1649345			34.15- 134.15	84.15	
11.499	11.499	(0.797)	51	616507			0.00- 84.23	31.46	

60 MTBE						CAS #: 1634-04-4			
11.831	11.831	(0.820)	73	3609295	50.0000	46.098	80.00- 120.00	100.00	
11.831	11.831	(0.820)	57	822834			0.00- 72.80	22.80	
11.831	11.831	(0.820)	41	712815			0.00- 72.52	19.75	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.969	11.969	(0.829)	96	2188485	50.0000	53.223	80.00- 120.00	100.00	
11.969	11.969	(0.829)	61	2920256			83.44- 183.44	133.44	
11.969	11.969	(0.829)	98	1398410			11.74- 111.74	63.90	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
12.329	12.329	(0.854)	57	3115193	50.0000	51.944	80.00- 120.00	100.00	
12.329	12.329	(0.854)	43	1915140			10.70- 110.70	61.48	
12.329	12.329	(0.854)	86	515637			0.00- 65.90	16.55	

69 Vinyl Acetate						CAS #: 108-05-4			
12.827	12.827	(0.889)	86	488779	50.0000	51.990	80.00- 120.00	100.00	
12.827	12.827	(0.889)	43	4999053			958.13-1058.13	1022.76	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.854	12.854	(0.891)	63	3518716	50.0000	53.226	80.00- 120.00	100.00	
12.854	12.854	(0.891)	65	1120409			0.00- 81.84	31.84	

75 2-Butanone						CAS #: 78-93-3			
13.905	13.905	(0.964)	72	874461	50.0000	57.183	80.00- 120.00	100.00	
13.905	13.905	(0.964)	43	3415315			340.56- 440.56	390.56	
13.905	13.905	(0.964)	57	267836			0.00- 83.53	30.63	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.960	13.960	(0.967)	61	2332727	50.0000	55.298	80.00- 120.00	100.00	
13.960	13.960	(0.967)	96	1878616			30.53- 130.53	80.53	
13.960	13.960	(0.967)	98	1206143			1.71- 101.71	51.71	

80 Tetrahydrofuran						CAS #: 109-99-9			
14.430	14.430	(1.000)	42	1924113	50.0000	58.108	80.00- 120.00	100.00	
14.430	14.430	(1.000)	71	758946			0.00- 89.44	39.44	
14.430	14.430	(1.000)	72	824131			0.00- 91.94	42.83	

82 Chloroform						CAS #: 67-66-3			
14.485	14.485	(1.004)	83	3112584	50.0000	56.399	80.00- 120.00	100.00	
14.485	14.485	(1.004)	85	2022238			14.97- 114.97	64.97	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.845	14.845	(1.029)	97	2732595	50.0000	54.847	80.00- 120.00	100.00	
14.845	14.845	(1.029)	99	1762757			14.51- 114.51	64.51	

85 Cyclohexane						CAS #: 110-82-7			
14.873	14.873	(1.031)	84	2001257	50.0000	54.010	80.00- 120.00	100.00	
14.873	14.873	(1.031)	56	2460722			72.96- 172.96	122.96	
14.873	14.873	(1.031)	41	1276772			13.80- 113.80	63.80	

87 Carbon Tetrachloride						CAS #: 56-23-5			
15.121	15.121	(1.048)	119	2389529	50.0000	56.476	80.00- 120.00	100.00	
15.121	15.121	(1.048)	117	2486617			54.06- 154.06	104.06	

91 Benzene						CAS #: 71-43-2			
15.536	15.536	(0.961)	78	4437570	50.0000	54.947	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
15.536	15.536	(0.961)	77	949049			0.00- 73.78	21.39	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
15.426	15.426	(1.069)	57	6709025	50.0000	53.990	80.00- 120.00	100.00	
15.426	15.426	(1.069)	56	2277828			0.00- 84.75	33.95	
15.426	15.426	(1.069)	41	1609176			0.00- 74.29	23.99	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	1851643	50.0000	54.063	80.00- 120.00	100.00	
15.647	15.647	(0.968)	64	591106			0.00- 83.04	31.92	

94 Heptane CAS #: 142-82-5									
15.730	15.730	(0.973)	71	1380180	50.0000	54.281	80.00- 120.00	100.00	
15.730	15.730	(0.973)	43	2523643			136.74- 236.74	182.85	
15.730	15.730	(0.973)	57	1377104			52.65- 152.65	99.78	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	1814128	50.0000	53.454	80.00- 120.00	100.00	
16.670	16.670	(1.031)	130	1724510			45.06- 145.06	95.06	
16.642	16.642	(1.029)	97	1173452			14.68- 114.68	64.68	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	1608858	50.0000	55.174	80.00- 120.00	100.00	
17.140	17.140	(1.060)	62	1175423			23.06- 123.06	73.06	
17.140	17.140	(1.060)	41	859960			3.45- 103.45	53.45	

106 1,4-Dioxane CAS #: 123-91-1									
17.278	17.278	(1.068)	88	1047244	50.0000	52.648	80.00- 120.00	100.00	
17.278	17.278	(1.068)	58	714840			18.26- 118.26	68.26	
17.250	17.250	(1.067)	57	225755			0.00- 71.62	21.56	

107 Bromodichloromethane CAS #: 75-27-4									
17.555	17.555	(1.085)	83	2878034	50.0000	57.872	80.00- 120.00	100.00	
17.582	17.582	(1.087)	85	1844431			14.09- 114.09	64.09	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.356	18.356	(1.135)	75	2316478	50.0000	57.945	80.00- 120.00	100.00	
18.356	18.356	(1.135)	77	743278			0.00- 82.09	32.09	
18.329	18.329	(1.133)	39	1184441			1.13- 101.13	51.13	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	1280284	50.0000	57.443	80.00- 120.00	100.00	
18.522	18.522	(1.145)	43	3116998			191.45- 291.45	243.46	
18.522	18.522	(1.145)	85	515952			0.00- 90.22	40.30	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114	Toluene					CAS #:	108-88-3		
18.909	18.909	(1.169)	91	4525821	50.0000	54.198	80.00-	120.00	100.00
18.909	18.909	(1.169)	92	2923238			14.59-	114.59	64.59

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6		
19.324	19.324	(0.904)	75	2280526	50.0000	59.397	80.00-	120.00	100.00
19.324	19.324	(0.904)	77	733978			0.00-	82.18	32.18
19.324	19.324	(0.904)	39	1125278			0.00-	99.34	49.34

117	1,1,2-Trichloroethane					CAS #:	79-00-5		
19.656	19.656	(0.920)	97	1709074	50.0000	55.078	80.00-	120.00	100.00
19.656	19.656	(0.920)	99	1075160			12.91-	112.91	62.91
19.656	19.656	(0.920)	83	1438672			34.18-	134.18	84.18

120	Tetrachloroethene					CAS #:	127-18-4		
19.849	19.849	(0.929)	166	1881203	50.0000	53.890	80.00-	120.00	100.00
19.849	19.849	(0.929)	129	1429354			25.98-	125.98	75.98
19.849	19.849	(0.929)	131	1365634			22.59-	122.59	72.59

121	2-Hexanone					CAS #:	591-78-6		
19.960	19.960	(0.934)	58	1787547	50.0000	54.409	80.00-	120.00	100.00
19.960	19.960	(0.934)	43	3095587			123.18-	223.18	173.18
19.960	19.960	(0.934)	100	314818			0.00-	67.97	17.61

122	Dibromochloromethane					CAS #:	124-48-1		
20.347	20.347	(0.952)	129	2530719	50.0000	59.842	80.00-	120.00	100.00
20.347	20.347	(0.952)	127	1955479			26.92-	126.92	77.27

123	1,2-Dibromoethane					CAS #:	106-93-4		
20.624	20.624	(0.965)	107	2626775	50.0000	55.893	80.00-	120.00	100.00
20.624	20.624	(0.965)	109	2478302			44.35-	144.35	94.35

127	Chlorobenzene					CAS #:	108-90-7		
21.425	21.425	(1.003)	112	3418287	50.0000	52.498	80.00-	120.00	100.00
21.425	21.425	(1.003)	114	1103451			0.00-	82.28	32.28
21.398	21.398	(1.001)	77	2012613			8.88-	108.88	58.88

128	Ethyl Benzene					CAS #:	100-41-4		
21.508	21.508	(1.006)	106	1814119	50.0000	53.773	80.00-	120.00	100.00
21.481	21.481	(1.005)	91	5511553			256.86-	356.86	303.81

129	m,p-Xylene					CAS #:	108-38-3		
21.702	21.702	(1.016)	106	2277710	50.0000	52.591	80.00-	120.00	100.00
21.702	21.702	(1.016)	91	4313718			136.19-	236.19	189.39

130	o-Xylene					CAS #:	95-47-6		
22.393	22.393	(1.048)	106	1926045	50.0000	52.412	80.00-	120.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	3861839			150.51- 250.51	200.51	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	3345685	50.0000	56.546	80.00- 120.00	100.00	
22.421	22.421	(1.049)	78	1551588			0.00- 96.38	46.38	

133 Bromoform CAS #: 75-25-2									
22.836	22.836	(1.069)	173	1973486	50.0000	61.193	80.00- 120.00	100.00	
22.836	22.836	(1.069)	171	1015372			1.45- 101.45	51.45	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	4695191	50.0000	52.456	80.00- 120.00	100.00	
22.974	22.974	(1.075)	120	1290756			0.00- 80.03	27.49	
22.946	22.946	(1.074)	51	451882			0.00- 61.87	9.62	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	2992519	50.0000	52.742	80.00- 120.00	100.00	
23.527	23.527	(1.101)	85	1918799			14.12- 114.12	64.12	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	6171912	50.0000	50.857	80.00- 120.00	100.00	
23.637	23.637	(1.106)	120	1397563			0.00- 73.39	22.64	
23.637	23.637	(1.106)	105	229083			0.00- 54.03	3.71	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	5461962	50.0000	50.123	80.00- 120.00	100.00	
23.831	23.831	(1.115)	120	1799789			0.00- 82.95	32.95	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	3911039	50.0000	48.636	80.00- 120.00	100.00	
23.914	23.914	(1.119)	120	2049631			3.78- 103.78	52.41	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	3757344	50.0000	49.334	80.00- 120.00	100.00	
24.550	24.550	(1.149)	120	1856367			0.00- 98.42	49.41	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.131	25.131	(1.176)	146	2675752	50.0000	51.381	80.00- 120.00	100.00	
25.131	25.131	(1.176)	148	1706548			12.75- 112.75	63.78	
25.131	25.131	(1.176)	111	1077528			0.00- 90.45	40.27	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	2752532	50.0000	51.121	80.00- 120.00	100.00	
25.269	25.269	(1.182)	148	1754973			12.93- 112.93	63.76	
25.269	25.269	(1.182)	111	1055759			0.00- 88.76	38.36	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159 alpha-Chlorotoluene						CAS #: 100-44-7			
25.490	25.490	(1.193)	91	4139112	50.0000	59.175	80.00- 120.00	100.00	
25.490	25.490	(1.193)	126	854891			0.00- 71.13	20.65	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.932	25.932	(1.213)	146	2393125	50.0000	50.280	80.00- 120.00	100.00	
25.932	25.932	(1.213)	148	1522343			13.61- 113.61	63.61	
25.932	25.932	(1.213)	111	988115			0.00- 91.29	41.29	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.808	28.808	(1.348)	180	749468	50.0000	46.417	80.00- 120.00	100.00	
28.808	28.808	(1.348)	182	717337			45.71- 145.71	95.71	

166 Hexachlorobutadiene						CAS #: 87-68-3			
29.001	29.001	(1.357)	225	569853	50.0000	41.311	80.00- 120.00	100.00	
29.001	29.001	(1.357)	223	363080			13.97- 113.97	63.71	

167 Naphthalene						CAS #: 91-20-3			
29.389	29.389	(1.375)	128	1516372	50.0000	46.830	80.00- 120.00	100.00	
29.389	29.389	(1.375)	127	176106			0.00- 61.82	11.61	

29 Isopentane						CAS #: 78-78-4			
8.375	8.375	(0.580)	43	2179095	50.0000	50.978	80.00- 120.00	100.00	
8.375	8.375	(0.580)	57	1538091			22.80- 122.80	70.58	

19 Butane						CAS #: 106-97-8			
6.771	6.771	(0.469)	58	320891	50.0000	48.872	80.00- 120.00	100.00	
6.771	6.771	(0.469)	43	2438835			714.83- 814.83	760.02	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.919	16.919	(1.172)	83	2326579	50.0000	55.018	80.00- 120.00	100.00	
16.919	16.919	(1.172)	98	1059603			0.00- 97.43	45.54	
16.919	16.919	(1.172)	55	1920702			37.16- 137.16	82.55	

Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100306.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	558854	0.00
97 1,4-Difluorobenze	1930047	1158028	2702066	1930047	0.00
126 Chlorobenzene-d5	1418145	850887	1985403	1418145	0.00

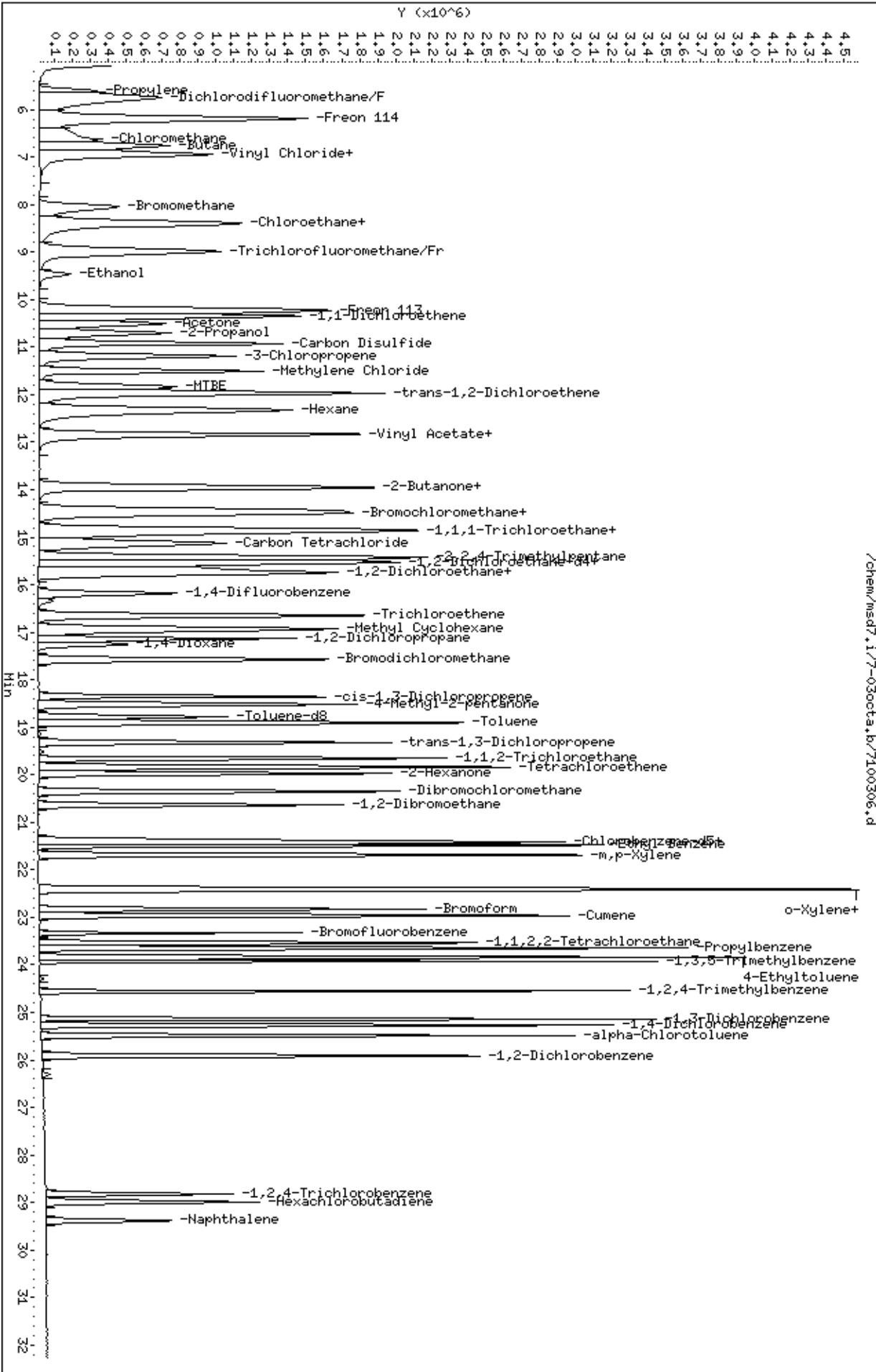
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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: 04-Oct-2007 08:15

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100307.d
 Lab Smp Id: ICAL Client Smp ID: Level 6
 Inj Date : 03-OCT-2007 15:33
 Operator : dm Inst ID: msd7.i
 Smp Info : 100mL #1576-21
 Misc Info : 200ppbv --> 100ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:15 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 15:33 Cal File: 7100307.d
 Als bottle: 1 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	553779	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	427988				27.85- 127.85	77.28
14.430	14.430	(1.000)	49	1336820				127.63- 227.63	241.40

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1932589	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	300887				0.00- 65.32	15.57

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1429795	25.0000			50.00- 150.00	100.00
21.342	21.342	(1.000)	82	784775				4.24- 104.24	54.89

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	654263	25.0000	25.695		50.00- 150.00	100.00
15.508	15.508	(1.075)	67	407986				5.39- 105.39	62.36

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1710297	25.0000	25.422		50.00- 150.00	100.00
18.771	18.771	(1.161)	70	186431				0.00- 60.57	10.90

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.771	18.771	(1.161)	100	1211000			20.85- 120.85	70.81		

\$ 137 Bromofluorobenzene										
						CAS #:	460-00-4			
23.333	23.333	(1.092)	174	751598	25.0000	25.700	50.00- 150.00	100.00		
23.333	23.333	(1.092)	95	1082916			94.21- 194.21	144.08		
23.333	23.333	(1.092)	176	731779			46.18- 146.18	97.36		

11 Propylene										
						CAS #:	115-07-1			
5.637	5.637	(0.391)	41	2335361	100.000	99.525	50.00- 150.00	100.00		
5.637	5.637	(0.391)	42	1646638			20.61- 120.61	70.51		
5.637	5.637	(0.391)	39	1695210			23.53- 123.53	72.59		

12 Dichlorodifluoromethane/Fr12										
						CAS #:	75-71-8			
5.776	5.776	(0.400)	85	8108238	100.000	103.33	50.00- 150.00	100.00		
5.776	5.776	(0.400)	87	2621624			0.00- 82.75	32.33		

16 Freon 114										
						CAS #:	76-14-2			
6.246	6.246	(0.433)	135	5046969	100.000	93.076	50.00- 150.00	100.00		
6.246	6.246	(0.433)	137	1593878			0.00- 80.95	31.58		

18 Chloromethane										
						CAS #:	74-87-3			
6.550	6.550	(0.454)	50	2440252	100.000	95.025	50.00- 150.00	100.00		
6.550	6.550	(0.454)	52	851422			0.00- 84.99	34.89		

20 Vinyl Chloride										
						CAS #:	75-01-4			
6.909	6.909	(0.479)	62	3727095	100.000	102.02	50.00- 150.00	100.00		
6.909	6.909	(0.479)	64	1189712			0.00- 86.07	31.92		

22 1,3-Butadiene										
						CAS #:	106-99-0			
6.992	6.992	(0.485)	54	2805768	100.000	101.92	50.00- 150.00	100.00		
6.965	6.965	(0.483)	39	2572092			41.31- 141.31	91.67		

25 Bromomethane										
						CAS #:	74-83-9			
8.071	8.071	(0.559)	94	3455194	100.000	107.06	50.00- 150.00	100.00		
8.071	8.071	(0.559)	96	3231912			43.66- 143.66	93.54		

27 Chloroethane										
						CAS #:	75-00-3			
8.402	8.402	(0.582)	64	2011105	100.000	114.89	50.00- 150.00	100.00		
8.402	8.402	(0.582)	49	472104			0.00- 73.75	23.47		
8.402	8.402	(0.582)	66	648883			0.00- 84.95	32.26		

31 Trichlorofluoromethane/Fr11										
						CAS #:	75-69-4			
8.983	8.983	(0.623)	101	8050352	100.000	104.36	50.00- 150.00	100.00		
8.983	8.983	(0.623)	103	5202562			15.19- 115.19	64.63		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.481	9.481	(0.657)	45	1318077	100.000	105.17	50.00- 150.00	100.00	
9.481	9.481	(0.657)	43	242327			0.00- 68.72	18.38	
9.481	9.481	(0.657)	46	512013			0.00- 87.77	38.85	

42 Freon 113						CAS #: 76-13-1			
10.227	10.227	(0.709)	151	4762462	100.000	102.99	50.00- 150.00	100.00	
10.227	10.227	(0.709)	153	3043953			14.52- 114.52	63.92	
10.227	10.227	(0.709)	101	6284373			85.43- 185.43	131.96	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.365	10.365	(0.718)	61	5307464	100.000	103.48	50.00- 150.00	100.00	
10.365	10.365	(0.718)	96	3589542			19.57- 119.57	67.63	
10.365	10.365	(0.718)	98	2303159			0.00- 93.66	43.39	

45 Acetone						CAS #: 67-64-1			
10.504	10.504	(0.728)	58	1806709	100.000	98.634	50.00- 150.00	100.00	
10.504	10.504	(0.728)	43	4960522			213.19- 313.19	274.56	

46 2-Propanol						CAS #: 67-63-0			
10.697	10.697	(0.741)	45	6286400	100.000	104.40	50.00- 150.00	100.00	
10.697	10.697	(0.741)	43	1329376			0.00- 93.27	21.15	
10.697	10.697	(0.741)	59	264769			0.00- 54.21	4.21	

47 Carbon Disulfide						CAS #: 75-15-0			
10.918	10.918	(0.757)	76	11437146	100.000	103.84	50.00- 150.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
11.195	11.195	(0.776)	76	2059352	100.000	100.74	50.00- 150.00	100.00	
11.195	11.195	(0.776)	41	4791905			181.03- 281.03	232.69	

54 Methylene Chloride						CAS #: 75-09-2			
11.499	11.499	(0.797)	49	3866291	100.000	101.46	50.00- 150.00	100.00	
11.499	11.499	(0.797)	84	3174230			33.34- 133.34	82.10	
11.499	11.499	(0.797)	51	1204769			0.00- 83.61	31.16	

60 MTBE						CAS #: 1634-04-4			
11.831	11.831	(0.820)	73	6245832	100.000	83.770	50.00- 150.00	100.00	
11.831	11.831	(0.820)	57	1424522			0.00- 73.41	22.81	
11.831	11.831	(0.820)	41	1265467			0.00- 72.07	20.26	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.969	11.969	(0.829)	96	4159405	100.000	101.66	50.00- 150.00	100.00	
11.969	11.969	(0.829)	61	5612163			82.19- 182.19	134.93	
11.969	11.969	(0.829)	98	2648811			12.13- 112.13	63.68	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
12.329	12.329	(0.854)	57	6120014	100.000	102.37	50.00- 150.00	100.00	
12.329	12.329	(0.854)	43	3693942			10.63- 110.63	60.36	
12.329	12.329	(0.854)	86	1002138			0.00- 65.99	16.37	

69 Vinyl Acetate						CAS #: 108-05-4			
12.826	12.826	(0.889)	86	960396	100.000	102.30	50.00- 150.00	100.00	
12.826	12.826	(0.889)	43	9801246			961.24-1061.24	1020.54	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.854	12.854	(0.891)	63	6698884	100.000	101.80	50.00- 150.00	100.00	
12.854	12.854	(0.891)	65	2146447			0.00- 81.66	32.04	

75 2-Butanone						CAS #: 78-93-3			
13.905	13.905	(0.964)	72	1702870	100.000	109.66	50.00- 150.00	100.00	
13.905	13.905	(0.964)	43	6735102			347.02- 447.02	395.51	
13.905	13.905	(0.964)	57	534813			0.00- 83.11	31.41	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.960	13.960	(0.967)	61	4505775	100.000	106.14	50.00- 150.00	100.00	
13.960	13.960	(0.967)	96	3587018			35.74- 135.74	79.61	
13.960	13.960	(0.967)	98	2295462			2.97- 102.97	50.94	

80 Tetrahydrofuran						CAS #: 109-99-9			
14.402	14.402	(0.998)	42	3759309	100.000	111.33	50.00- 150.00	100.00	
14.402	14.402	(0.998)	71	1472817			0.00- 89.30	39.18	
14.402	14.402	(0.998)	72	1607855			0.00- 92.10	42.77	

82 Chloroform						CAS #: 67-66-3			
14.485	14.485	(1.004)	83	5913929	100.000	106.69	50.00- 150.00	100.00	
14.485	14.485	(1.004)	85	3881630			13.70- 113.70	65.64	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.845	14.845	(1.029)	97	5229861	100.000	104.69	50.00- 150.00	100.00	
14.845	14.845	(1.029)	99	3388285			16.16- 116.16	64.79	

85 Cyclohexane						CAS #: 110-82-7			
14.872	14.872	(1.031)	84	3849460	100.000	103.84	50.00- 150.00	100.00	
14.845	14.845	(1.029)	56	4732674			74.97- 174.97	122.94	
14.845	14.845	(1.029)	41	2448836			14.69- 114.69	63.62	

87 Carbon Tetrachloride						CAS #: 56-23-5			
15.121	15.121	(1.048)	119	4639847	100.000	108.35	50.00- 150.00	100.00	
15.121	15.121	(1.048)	117	4823896			52.68- 152.68	103.97	

91 Benzene						CAS #: 71-43-2			
15.536	15.536	(0.961)	78	8441773	100.000	103.63	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
15.536	15.536	(0.961)	77	1820314			0.00- 73.41	21.56	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
15.425	15.425	(1.069)	57	12866250	100.000	103.56	50.00- 150.00	100.00	
15.425	15.425	(1.069)	56	4392474			0.00- 84.63	34.14	
15.425	15.425	(1.069)	41	3097354			0.00- 74.25	24.07	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	3599615	100.000	103.93	50.00- 150.00	100.00	
15.647	15.647	(0.968)	64	1143114			0.00- 82.78	31.76	

94 Heptane CAS #: 142-82-5									
15.729	15.729	(0.973)	71	2666183	100.000	103.74	50.00- 150.00	100.00	
15.729	15.729	(0.973)	43	4889360			136.07- 236.07	183.38	
15.729	15.729	(0.973)	57	2725577			52.56- 152.56	102.23	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	3456382	100.000	101.36	50.00- 150.00	100.00	
16.642	16.642	(1.029)	130	3314534			44.09- 144.09	95.90	
16.642	16.642	(1.029)	97	2218864			14.29- 114.29	64.20	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	3119160	100.000	105.39	50.00- 150.00	100.00	
17.140	17.140	(1.060)	62	2284456			24.19- 124.19	73.24	
17.140	17.140	(1.060)	41	1703786			8.23- 108.23	54.62	

106 1,4-Dioxane CAS #: 123-91-1									
17.250	17.250	(1.067)	88	2047745	100.000	102.09	50.00- 150.00	100.00	
17.250	17.250	(1.067)	58	1404560			19.42- 119.42	68.59	
17.250	17.250	(1.067)	57	444821			0.00- 71.64	21.72	

107 Bromodichloromethane CAS #: 75-27-4									
17.554	17.554	(1.085)	83	5500582	100.000	108.20	50.00- 150.00	100.00	
17.554	17.554	(1.085)	85	3544327			15.64- 115.64	64.44	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.329	18.329	(1.133)	75	4503252	100.000	109.75	50.00- 150.00	100.00	
18.329	18.329	(1.133)	77	1451045			0.00- 83.82	32.22	
18.329	18.329	(1.133)	39	2322324			1.79- 101.79	51.57	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	2559173	100.000	111.40	50.00- 150.00	100.00	
18.522	18.522	(1.145)	43	6164831			191.34- 291.34	240.89	
18.522	18.522	(1.145)	85	1016338			0.00- 90.12	39.71	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
114 Toluene						CAS #: 108-88-3			
18.882	18.882	(1.168)	91	8637346	100.000	102.62	50.00- 150.00	100.00	
18.882	18.882	(1.168)	92	5596298			14.83- 114.83	64.79	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
19.324	19.324	(0.904)	75	4448561	100.000	111.59	50.00- 150.00	100.00	
19.324	19.324	(0.904)	77	1435484			0.00- 82.48	32.27	
19.324	19.324	(0.904)	39	2246898			3.34- 103.34	50.51	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.656	19.656	(0.920)	97	3291867	100.000	104.13	50.00- 150.00	100.00	
19.656	19.656	(0.920)	99	2057520			13.25- 113.25	62.50	
19.656	19.656	(0.920)	83	2758157			34.67- 134.67	83.79	

120 Tetrachloroethene						CAS #: 127-18-4			
19.849	19.849	(0.929)	166	3501392	100.000	99.587	50.00- 150.00	100.00	
19.822	19.822	(0.928)	129	2671938			26.50- 126.50	76.31	
19.822	19.822	(0.928)	131	2554674			22.40- 122.40	72.96	

121 2-Hexanone						CAS #: 591-78-6			
19.960	19.960	(0.934)	58	3599747	100.000	106.37	50.00- 150.00	100.00	
19.960	19.960	(0.934)	43	6196844			123.00- 223.00	172.15	
19.960	19.960	(0.934)	100	625681			0.00- 67.82	17.38	

122 Dibromochloromethane						CAS #: 124-48-1			
20.347	20.347	(0.952)	129	4834108	100.000	110.42	50.00- 150.00	100.00	
20.347	20.347	(0.952)	127	3776791			27.17- 127.17	78.13	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.623	20.623	(0.965)	107	5025023	100.000	104.78	50.00- 150.00	100.00	
20.623	20.623	(0.965)	109	4754314			43.46- 143.46	94.61	

127 Chlorobenzene						CAS #: 108-90-7			
21.398	21.398	(1.001)	112	6557640	100.000	99.913	50.00- 150.00	100.00	
21.398	21.398	(1.001)	114	2115852			0.00- 82.11	32.27	
21.398	21.398	(1.001)	77	3855648			16.61- 116.61	58.80	

128 Ethyl Benzene						CAS #: 100-41-4			
21.481	21.481	(1.005)	106	3479520	100.000	101.83	50.00- 150.00	100.00	
21.481	21.481	(1.005)	91	10537033			256.06- 356.06	302.83	

129 m,p-Xylene						CAS #: 108-38-3			
21.702	21.702	(1.016)	106	4360132	100.000	99.882	50.00- 150.00	100.00	
21.674	21.674	(1.014)	91	8281943			136.94- 236.94	189.95	

130 o-Xylene						CAS #: 95-47-6			
22.393	22.393	(1.048)	106	3686674	100.000	99.604	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	7301761			152.16- 252.16	198.06	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	6339921	100.000	105.18	50.00- 150.00	100.00	
22.421	22.421	(1.049)	78	2947366			1.89- 101.89	46.49	

133 Bromoform CAS #: 75-25-2									
22.835	22.835	(1.069)	173	3751679	100.000	111.94	50.00- 150.00	100.00	
22.835	22.835	(1.069)	171	1947690			1.19- 101.19	51.92	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	9159556	100.000	101.25	50.00- 150.00	100.00	
22.974	22.974	(1.075)	120	2533093			0.00- 79.63	27.66	
22.946	22.946	(1.074)	51	901187			0.00- 61.53	9.84	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	5826505	100.000	101.48	50.00- 150.00	100.00	
23.527	23.527	(1.101)	85	3786881			13.65- 113.65	64.99	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	12006969	100.000	98.500	50.00- 150.00	100.00	
23.637	23.637	(1.106)	120	2753968			0.00- 73.30	22.94	
23.637	23.637	(1.106)	105	453452			0.00- 53.98	3.78	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	10732694	100.000	98.143	50.00- 150.00	100.00	
23.831	23.831	(1.115)	120	3538310			0.00- 82.30	32.97	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	7719266	100.000	96.132	50.00- 150.00	100.00	
23.914	23.914	(1.119)	120	4037279			3.49- 103.49	52.30	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	7587994	100.000	99.053	50.00- 150.00	100.00	
24.550	24.550	(1.149)	120	3748205			0.00- 98.61	49.40	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	5311721	100.000	100.93	50.00- 150.00	100.00	
25.130	25.130	(1.176)	148	3383182			12.94- 112.94	63.69	
25.130	25.130	(1.176)	111	2162498			0.00- 90.50	40.71	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	5467426	100.000	100.57	50.00- 150.00	100.00	
25.269	25.269	(1.182)	148	3477300			13.07- 113.07	63.60	
25.269	25.269	(1.182)	111	2118015			0.00- 88.75	38.74	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159 alpha-Chlorotoluene						CAS #: 100-44-7			
25.490	25.490	(1.193)	91	8690824	100.000	117.76	50.00- 150.00	100.00	
25.490	25.490	(1.193)	126	1817905			0.00- 71.09	20.92	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.932	25.932	(1.213)	146	4879221	100.000	101.34	50.00- 150.00	100.00	
25.932	25.932	(1.213)	148	3115290			14.02- 114.02	63.85	
25.932	25.932	(1.213)	111	2044523			0.00- 91.69	41.90	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.808	28.808	(1.348)	180	1908598	100.000	112.40	50.00- 150.00	100.00	
28.808	28.808	(1.348)	182	1814421			44.62- 144.62	95.07	

166 Hexachlorobutadiene						CAS #: 87-68-3			
29.001	29.001	(1.357)	225	1301972	100.000	95.135	50.00- 150.00	100.00	
29.001	29.001	(1.357)	223	821158			13.74- 113.74	63.07	

167 Naphthalene						CAS #: 91-20-3			
29.388	29.388	(1.375)	128	4005371	100.000	116.10	50.00- 150.00	100.00(A)	
29.388	29.388	(1.375)	127	474518			0.00- 61.83	11.85	

29 Isopentane						CAS #: 78-78-4			
8.402	8.402	(0.582)	43	4267800	100.000	100.57	50.00- 150.00	100.00	
8.402	8.402	(0.582)	57	3006579			22.21- 122.21	70.45	

19 Butane						CAS #: 106-97-8			
6.799	6.799	(0.471)	58	642297	100.000	99.037	50.00- 150.00	100.00	
6.799	6.799	(0.471)	43	4879898			713.56- 813.56	759.76	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.918	16.918	(1.172)	83	4489984	100.000	105.64	50.00- 150.00	100.00	
16.918	16.918	(1.172)	98	2045255			0.00- 97.05	45.55	
16.918	16.918	(1.172)	55	3727429			36.33- 136.33	83.02	

QC Flag Legend

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

Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100307.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 6

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 100ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	553779	-0.91
97 1,4-Difluorobenze	1930047	1158028	2702066	1932589	0.13
126 Chlorobenzene-d5	1418145	850887	1985403	1429795	0.82

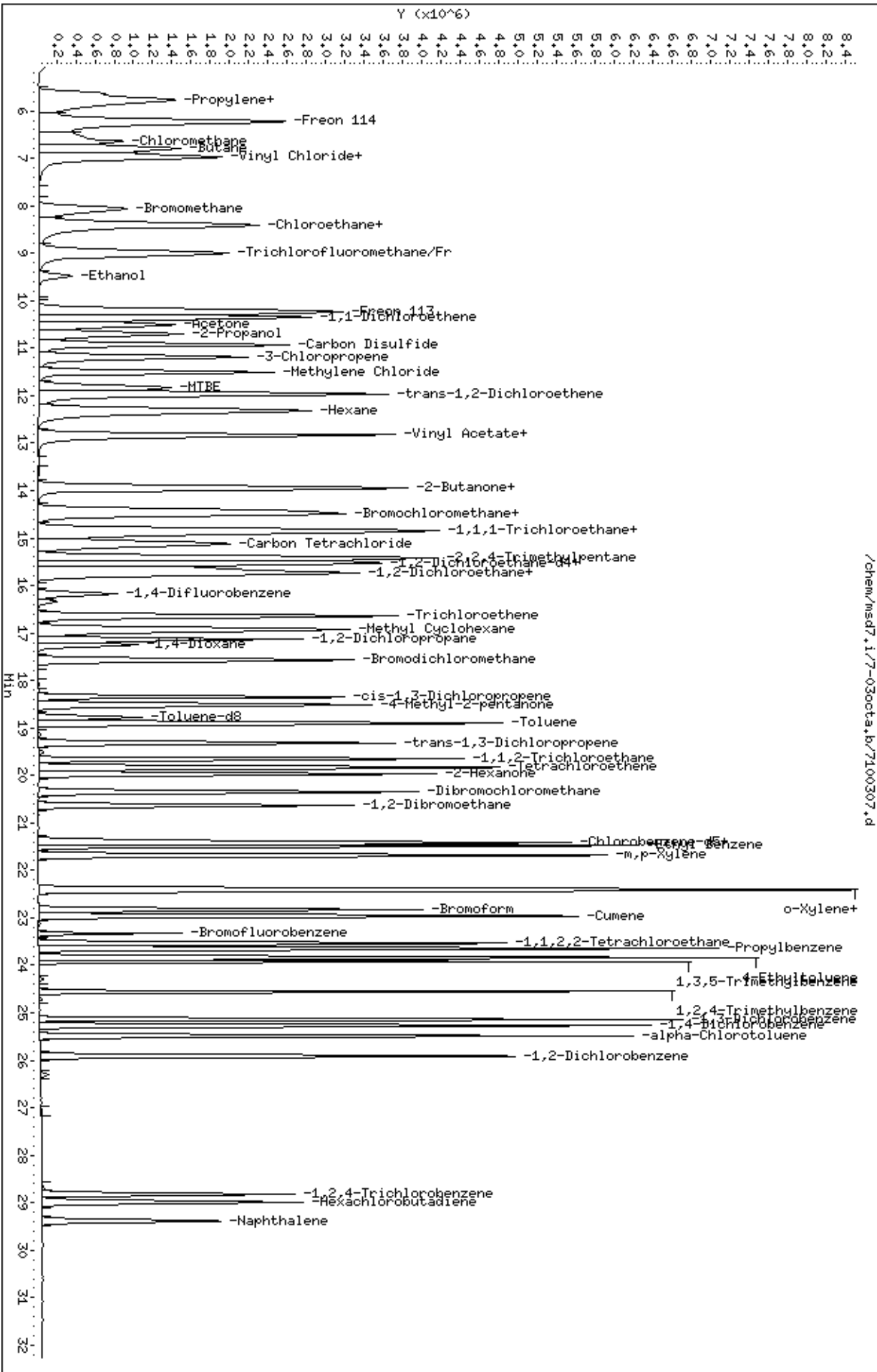
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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: 04-Oct-2007 15:07

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100408.d
 Lab Smp Id: ICAL Client Smp ID: Level 7
 Inj Date : 04-OCT-2007 14:38
 Operator : ct Inst ID: msd7.i
 Smp Info : 200mL #1443-354
 Misc Info : 200ppbv (200ppbv) sp19b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 15:07 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:38 Cal File: 7100408.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: Sp19b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	781820	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	603756				27.73- 127.73	77.22
14.430	14.430	(1.000)	49	1012419				107.14- 207.14	129.50

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	2359063	25.0000			50.00- 150.00	100.00
16.200	16.200	(1.000)	88	365248				0.00- 65.44	15.48

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1670763	25.0000			50.00- 150.00	100.00
21.370	21.370	(1.000)	82	909551				4.37- 104.37	54.44

21 Isobutane CAS #: 75-28-5									
6.329	6.329	(0.439)	43	11756036	200.000	186.59		50.00- 150.00	100.00(M)
6.329	6.329	(0.439)	42	3975790				0.00- 77.95	33.82
6.301	6.301	(0.437)	58	199853				0.00- 52.07	1.70

35 1-Pentene CAS #: 109-67-1									
9.011	9.011	(0.624)	55	9306674	200.000	196.08		50.00- 150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
35 1-Pentene (continued)									
9.039	9.039	(0.626)	42	20069121			167.72- 267.72	215.64	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

37 Pentane CAS #: 109-66-0									
9.149	9.149	(0.634)	43	14336153	200.000	195.31	50.00- 150.00	100.00	
9.149	9.149	(0.634)	57	2272359			0.00- 66.06	15.85	
9.149	9.149	(0.634)	72	1672503			0.00- 61.96	11.67	

39 Ethyl Ether CAS #: 60-29-7									
9.730	9.730	(0.674)	74	4689381	200.000	199.04	50.00- 150.00	100.00	
9.730	9.730	(0.674)	59	6204934			81.66- 181.66	132.32	
0.000	1.000	(0.000)	31	0			0.00- 50.00	0.00	

44 Acrolein CAS #: 107-02-8									
10.200	10.200	(0.707)	55	2342250	200.000	199.24	50.00- 150.00	100.00	
10.200	10.200	(0.707)	56	3444206			89.89- 189.89	147.05	

48 Ethyl acrylate CAS #: 140-88-5									
16.725	16.725	(0.783)	99	1099810	200.000	215.64	50.00- 150.00	100.00(A)	
16.697	16.697	(0.781)	45	1444771			80.77- 180.77	131.37	
16.697	16.697	(0.781)	55	14754785			1275.44-1375.44	1341.58	

49 Iodomethane CAS #: 74-88-4									
10.808	10.808	(0.749)	142	23102006	200.000	194.90	50.00- 150.00	100.00	
10.808	10.808	(0.749)	127	7767590			0.00- 83.01	33.62	

50 Methyl Methacrylate CAS #: 80-62-6									
17.140	17.140	(0.802)	41	9081452	200.000	210.34	50.00- 150.00	100.00(A)	
17.140	17.140	(0.802)	69	6799905			24.18- 124.18	74.88	
17.140	17.140	(0.802)	100	2523068			0.00- 77.68	27.78	

52 Acetonitrile CAS #: 75-05-8									
11.278	11.278	(0.782)	40	4899433	200.000	200.92	50.00- 150.00	100.00(A)	
11.278	11.278	(0.782)	41	7677231			119.24- 219.24	156.70	
11.278	11.278	(0.782)	38	1537231			0.00- 85.33	31.38	

56 Cyclopentane CAS #: 287-92-3									
11.499	11.499	(0.797)	70	5885138	200.000	193.77	50.00- 150.00	100.00	
11.499	11.499	(0.797)	55	7348201			73.31- 173.31	124.86	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

62 Acrylonitrile CAS #: 107-13-1									
12.080	12.080	(0.837)	52	5193622	200.000	210.11	50.00- 150.00	100.00(A)	
12.080	12.080	(0.837)	53	7272904			93.41- 193.41	140.04	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
63 2-Pentanone						CAS #: 107-87-9			
16.919	16.919	(0.792)	43	17901485	200.000	218.16	50.00- 150.00	100.00(A)	
16.919	16.919	(0.792)	58	1468845			0.00- 58.14	8.21	
16.946	16.946	(0.793)	86	3184571			0.00- 67.96	17.79	

66 1-Hexene						CAS #: 592-41-6			
12.218	12.218	(0.847)	55	5608695	200.000	194.10	50.00- 150.00	100.00	
12.218	12.218	(0.847)	41	8453038			94.46- 194.46	150.71	
12.218	12.218	(0.847)	84	2512621			0.00- 93.33	44.80	

79 Methyl Acrylate						CAS #: 96-33-3			
14.043	14.043	(0.973)	55	14046755	200.000	213.11	50.00- 150.00	100.00(A)	
14.043	14.043	(0.973)	85	2542680			0.00- 68.31	18.10	
14.043	14.043	(0.973)	58	1381024			0.00- 59.78	9.83	

100 trans-1,4-dichloro-2-butene						CAS #: 110-57-6			
23.637	23.637	(1.106)	75	5339012	200.000	205.42	50.00- 150.00	100.00(A)	
23.637	23.637	(1.106)	89	2764154			0.50- 100.50	51.77	
23.637	23.637	(1.106)	53	3949801			21.08- 121.08	73.98	

103 Alphamethylstyrene						CAS #: 98-83-9			
24.301	24.301	(1.137)	118	9098007	200.000	189.38	50.00- 150.00	100.00	
24.301	24.301	(1.137)	103	4767810			1.38- 101.38	52.40	

105 Dibromomethane						CAS #: 74-95-3			
17.389	17.389	(0.814)	174	6073204	200.000	181.21	50.00- 150.00	100.00	
17.389	17.389	(0.814)	93	6897425			55.09- 155.09	113.57	
17.389	17.389	(0.814)	95	5737987			38.54- 138.54	94.48	

124 Nonane						CAS #: 111-84-2			
21.481	21.481	(1.005)	43	10402122	200.000	177.24	50.00- 150.00	100.00	
21.481	21.481	(1.005)	57	9642302			42.04- 142.04	92.70	
21.481	21.481	(1.005)	85	3404240			0.00- 83.72	32.73	

151 bis(2-chloroethyl)ether						CAS #: 111-44-4			
24.909	24.909	(1.166)	93	11553898	200.000	205.42	50.00- 150.00	100.00(A)	
24.909	24.909	(1.166)	95	3794230			0.00- 82.59	32.84	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Report Date: 04-Oct-2007 15:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100408.d

Calibration Time: 14:00

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 200ppbv (200ppbv) sp19b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	779330	467598	1091062	781820	0.32
97 1,4-Difluorobenze	2375765	1425459	3326071	2359063	-0.70
126 Chlorobenzene-d5	1739353	1043612	2435094	1670763	-3.94

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100408.d

Date: 04-OCT-2007 14:38

Client ID: Level 7

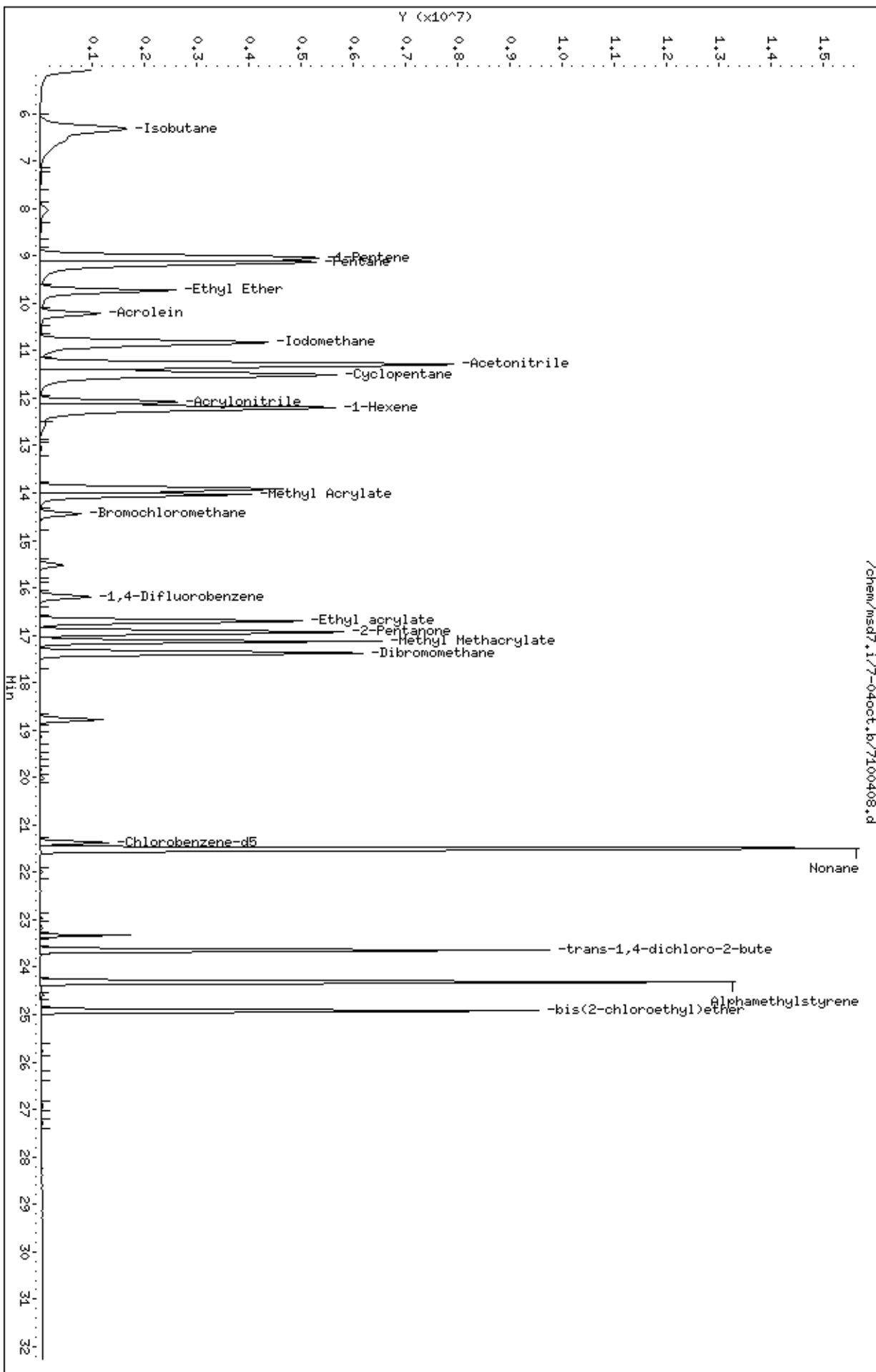
Sample Info: 200mL #1443-354

Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53



Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-04oct.b/7100404.d
 Lab Smp Id: ICAL Client Smp ID: Level 7
 Inj Date : 04-OCT-2007 11:56
 Operator : ct Inst ID: msd7.i
 Smp Info : 200mL #1487-370
 Misc Info : 200ppbv (200ppbv) sp16b
 Comment :
 Method : /chem/msd7.i/7-04oct.b/t14q003b.m
 Meth Date : 04-Oct-2007 12:17 ctaylor Quant Type: ISTD
 Cal Date : 04-OCT-2007 11:56 Cal File: 7100404.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp16b.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	792255	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	605017				27.59- 127.59	76.37
14.430	14.430	(1.000)	49	992815				105.93- 205.93	125.32

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.200	16.200	(1.000)	114	2379916	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	366771				0.00- 65.46	15.41

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1792881	25.0000			50.00- 150.00	100.00
21.370	21.370	(1.000)	82	982310				4.32- 104.32	54.79

55 Cyclopentene CAS #: 142-29-0									
11.278	11.278	(0.782)	67	30767092	200.000	188.84		50.00- 150.00	100.00
11.278	11.278	(0.782)	68	12873040				0.00- 91.13	41.84
11.278	11.278	(0.782)	53	5482179				0.00- 67.18	17.82

78 2,2-Dichloropropane CAS #: 594-20-7									
13.905	13.905	(0.964)	77	17026572	200.000	192.72		50.00- 150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
78 2,2-Dichloropropane (continued)									
13.905	13.905	(0.964)	79	5579809			0.00- 84.60	32.77	
13.905	13.905	(0.964)	97	3577024			0.00- 71.53	21.01	

88 1,1-Dichloropropane CAS #: 563-58-6									
15.149	15.149	(0.935)	110	6042885	200.000	184.04	50.00- 150.00	100.00	
15.149	15.149	(0.935)	75	16177677			216.53- 316.53	267.71	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.988	19.988	(1.234)	76	16405877	200.000	178.18	50.00- 150.00	100.00	
19.988	19.988	(1.234)	41	11412014			14.09- 114.09	69.56	
19.988	19.988	(1.234)	78	5356384			0.00- 82.85	32.65	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.536	21.536	(1.008)	131	9591840	200.000	160.34	50.00- 150.00	100.00	
21.536	21.536	(1.008)	117	6787865			20.19- 120.19	70.77	
21.536	21.536	(1.008)	95	3828087			0.00- 87.01	39.91	

136 Bromobenzene CAS #: 108-86-1									
23.637	23.637	(1.106)	156	10030141	200.000	134.02	50.00- 150.00	100.00	
23.637	23.637	(1.106)	158	9639456			45.61- 145.61	96.10	
23.610	23.610	(1.105)	77	21788998			147.67- 247.67	217.24	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.665	23.665	(1.107)	110	5151853	200.000	150.82	50.00- 150.00	100.00	
23.665	23.665	(1.107)	75	15707864			254.51- 354.51	304.90	
23.665	23.665	(1.107)	61	4143316			25.09- 125.09	80.42	

141 2-Chlorotoluene CAS #: 95-49-8									
23.886	23.886	(1.118)	126	8592100	200.000	153.59	50.00- 150.00	100.00	
23.886	23.886	(1.118)	91	24931597			234.66- 334.66	290.17	
23.886	23.886	(1.118)	65	2443736			0.00- 76.25	28.44	

143 4-Chlorotoluene CAS #: 106-43-4									
24.080	24.080	(1.127)	126	9152812	200.000	150.98	50.00- 150.00	100.00	
24.080	24.080	(1.127)	91	27025881			237.44- 337.44	295.27	
24.080	24.080	(1.127)	63	3557285			0.00- 83.89	38.87	

153 p-Cymene CAS #: 99-87-6									
25.020	25.020	(1.171)	119	24789862	200.000	143.41	50.00- 150.00	100.00	
25.020	25.020	(1.171)	134	7064236			0.00- 78.04	28.50	
25.020	25.020	(1.171)	91	6504927			0.00- 73.82	26.24	

154 1,2,3-Trimethylbenzene CAS #: 526-73-8									
25.269	25.269	(1.182)	120	10863740	200.000	154.22	50.00- 150.00	100.00	
25.269	25.269	(1.182)	105	23162752			165.23- 265.23	213.21	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
154 1,2,3-Trimethylbenzene (continued)									
25.269	25.269	(1.182)	77	3072930			0.00- 77.38	28.29	

158 Butylbenzene CAS #: 104-51-8									
25.711	25.711	(1.203)	134	7453050	200.000	155.20	50.00- 150.00	100.00	
25.711	25.711	(1.203)	91	29726117			339.78- 439.78	398.84	
25.711	25.711	(1.203)	92	17222422			174.00- 274.00	231.08	

148 tert-Butylbenzene CAS #: 98-06-6									
24.467	24.467	(1.145)	119	22084923	200.000	140.90	50.00- 150.00	100.00	
24.467	24.467	(1.145)	134	5572289			0.00- 74.98	25.23	
24.467	24.467	(1.145)	91	16041811			18.49- 118.49	72.64	

149 sec-Butylbenzene CAS #: 135-98-8									
24.826	24.826	(1.162)	105	30861401	200.000	141.31	50.00- 150.00	100.00	
24.826	24.826	(1.162)	134	6342371			0.00- 69.96	20.55	
24.826	24.826	(1.162)	91	5284322			0.00- 65.33	17.12	

162 1,2-Dibromo-3-Chloropropane CAS #: 96-12-8									
27.287	27.287	(1.277)	157	9526101	200.000	175.35	50.00- 150.00	100.00	
27.287	27.287	(1.277)	75	8664894			31.73- 131.73	90.96	
27.287	27.287	(1.277)	155	7457304			27.51- 127.51	78.28	

201 Pentachloroethane CAS #: 76-01-7									
24.605	24.605	(1.151)	167	6338602	200.000	150.32	50.00- 150.00	100.00	
24.605	24.605	(1.151)	117	7026855			59.90- 159.90	110.86	
24.605	24.605	(1.151)	169	3032338			0.00- 98.37	47.84	

Report Date: 04-Oct-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 04-OCT-2007

Lab File ID: 7100404.d

Calibration Time: 11:17

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd7.i/7-04oct.b/t14q003b.m

Misc Info: 200ppbv (200ppbv) spl6b

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	797030	478218	1115842	792255	-0.60
97 1,4-Difluorobenze	2404743	1442846	3366640	2379916	-1.03
126 Chlorobenzene-d5	1823268	1093961	2552575	1792881	-1.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	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/msd7.1/7-04oct.b/7100404.d

Date : 04-OCT-2007 11:56

Client ID: Level 7

Sample Info: 200mL #1487-370

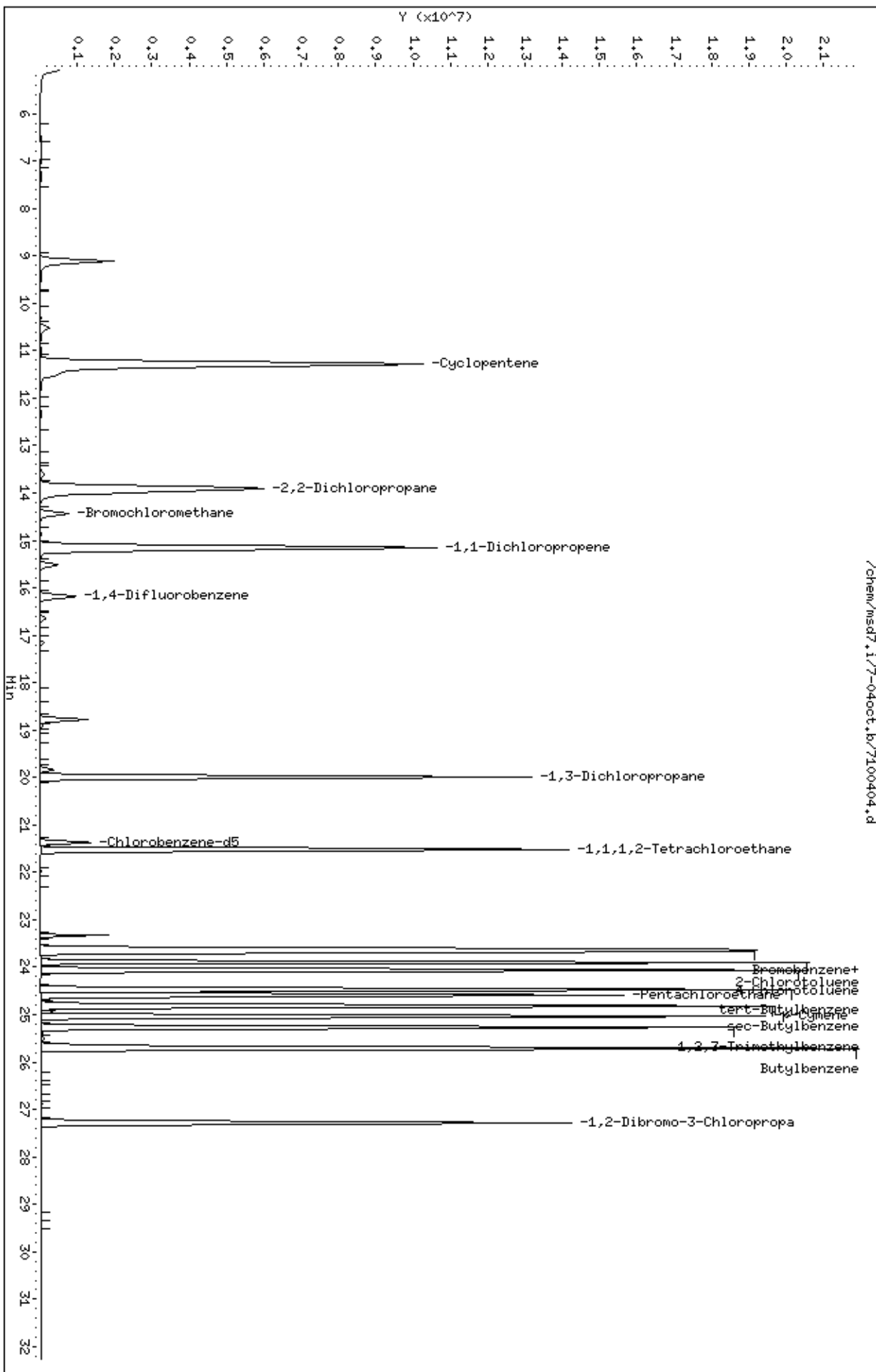
Column phase: RTX-624

Instrument: msd7.i

Operator: ct

Column diameter: 0.53

/chem/msd7.1/7-04oct.b/7100404.d



Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03oct.b/7100314.d
 Lab Smp Id: ICAL Client Smp ID: level 7
 Inj Date : 03-OCT-2007 20:55
 Operator : dm Inst ID: msd7.i
 Smp Info : 200mL #1487-393
 Misc Info : 200ppbv-200ppbv
 Comment :
 Method : /chem/msd7.i/7-03oct.b/t14q003a.m
 Meth Date : 04-Oct-2007 09:17 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 20:55 Cal File: 7100314.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp22a.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.444	14.444	(1.000)	130	665992	25.0000		50.00- 150.00	100.00	
14.444	14.444	(1.000)	128	504354			27.93- 127.93	75.73	
14.444	14.444	(1.000)	49	902637			113.05- 213.05	135.53	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.186	16.186	(1.000)	114	2089165	25.0000		50.00- 150.00	100.00	
16.186	16.186	(1.000)	88	327131			0.00- 65.39	15.66	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.356	21.356	(1.000)	117	1465081	25.0000		50.00- 150.00	100.00	
21.356	21.356	(1.000)	82	802247			4.63- 104.63	54.76	

5 Freon 143a CAS #: 420-46-2									
5.335	5.335	(0.369)	65	2258451	200.000	188.78	50.00- 150.00	100.00	
5.279	5.279	(0.365)	69	22233752			1056.04-1156.04	984.47	
5.335	5.335	(0.369)	64	671422			0.00- 81.24	29.73	

6 Freon142b CAS #: 75-68-3									
6.321	6.321	(0.438)	65	9016191	200.000	189.58	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
6 Freon142b (continued)									
6.321	6.321	(0.438)	45	2191728			0.00- 78.54	24.31	

9 Freon 13 CAS #: 75-72-9									
5.223	5.223	(0.362)	85	2197754	200.000	158.44	50.00- 150.00	100.00	
5.223	5.223	(0.362)	87	711533			0.00- 83.14	32.38	
5.279	5.279	(0.365)	69	22179566			874.24- 974.24	1009.19	

13 Freon 134a CAS #: 811-97-2									
5.476	5.476	(0.379)	83	4659020	200.000	193.18	50.00- 150.00	100.00	
5.279	5.279	(0.365)	69	22677111			481.16- 581.16	486.74	
5.448	5.448	(0.377)	63	724866			0.00- 66.11	15.56	

15 Freon 152a CAS #: 75-37-6									
5.701	5.701	(0.395)	65	3864268	200.000	188.77	50.00- 150.00	100.00	
5.814	5.814	(0.403)	51	15316738			150.93- 250.93	396.37	
5.701	5.701	(0.395)	47	1319228			0.00- 83.13	34.14	

17 Freon 22 CAS #: 75-45-6									
5.814	5.814	(0.403)	51	11799939	200.000	199.79	50.00- 150.00	100.00(M)	
5.842	5.842	(0.404)	67	1249330			0.00- 60.92	10.59	
5.842	5.842	(0.404)	85	140632			0.00- 51.44	1.19	

26 Methanol CAS #: 67-56-1									
7.616	7.616	(0.527)	31	11706362	1200.00	912.83	50.00- 150.00	100.00	
7.616	7.616	(0.527)	32	8109863			222.13- 322.13	69.28	

34 Dichlorofluoromethane/Fr21 CAS #: 75-43-4									
8.968	8.968	(0.621)	67	12006359	200.000	198.96	50.00- 150.00	100.00	
8.968	8.968	(0.621)	69	3826426			0.00- 81.71	31.87	
8.968	8.968	(0.621)	35	405982			0.00- 54.20	3.38	

40 Freon123a CAS #: 354-23-4									
9.826	9.826	(0.680)	117	7026547	200.000	194.77	50.00- 150.00	100.00	
9.826	9.826	(0.680)	67	10477216			102.57- 202.57	149.11	

41 Freon123 CAS #: 306-83-2									
9.992	9.992	(0.692)	83	12422663	200.000	188.63	50.00- 150.00	100.00	
9.992	9.992	(0.692)	133	2100148			0.00- 67.12	16.91	
9.992	9.992	(0.692)	85	8840807			22.35- 122.35	71.17	

57 tert-Butyl-Alcohol CAS #: 75-65-0									
11.513	11.513	(0.797)	59	9107511	200.000	132.21	50.00- 150.00	100.00	
11.513	11.513	(0.797)	41	1708596			0.00- 69.86	18.76	
11.513	11.513	(0.797)	57	842031			0.00- 60.23	9.25	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
68 Isopropyl ether						CAS #: 108-20-3			
12.729	12.729	(0.881)	45	22353946	200.000	188.25	50.00- 150.00	100.00	
12.729	12.729	(0.881)	87	6169635			0.00- 76.70	27.60	
12.729	12.729	(0.881)	59	1846715			0.00- 61.13	8.26	

71 1-Propanol						CAS #: 71-23-8			
12.868	12.868	(0.891)	42	1677169	200.000	199.53	50.00- 150.00	100.00	
12.868	12.868	(0.891)	59	2689162			134.38- 234.38	160.34	
12.729	12.729	(0.881)	41	4134100			209.49- 309.49	246.49	

73 t-Butylethyl Ether						CAS #: 637-92-3			
13.393	13.393	(0.927)	59	19885908	200.000	192.00	50.00- 150.00	100.00	
13.393	13.393	(0.927)	87	8233554			0.00- 90.68	41.40	
13.393	13.393	(0.927)	41	3192124			0.00- 67.49	16.05	

77 Ethyl Acetate						CAS #: 141-78-6			
13.918	13.918	(0.964)	45	2236249	200.000	190.68	50.00- 150.00	100.00	
13.918	13.918	(0.964)	61	2335952			48.48- 148.48	104.46	
13.918	13.918	(0.964)	43	15068305			588.55- 688.55	673.82	

92 tert-amyl-Methyl Ether						CAS #: 994-05-8			
15.550	15.550	(1.077)	73	14026627	200.000	192.36	50.00- 150.00	100.00	
15.550	15.550	(1.077)	87	3252443			0.00- 72.90	23.19	
15.550	15.550	(1.077)	55	3437214			0.00- 76.45	24.50	

96 2-Heptanone						CAS #: 110-43-0			
22.517	22.517	(1.559)	58	8694326	200.000	201.50	50.00- 150.00	100.00	
22.517	22.517	(1.559)	43	12619339			93.94- 193.94	145.14	

98 1-Butanol						CAS #: 71-36-3			
16.352	16.352	(1.010)	56	4773772	200.000	240.85	50.00- 150.00	100.00(A)	
16.352	16.352	(1.010)	41	3269779			18.51- 118.51	68.49	
16.324	16.324	(1.009)	43	2578264			3.72- 103.72	54.01	

99 Isobutanol						CAS #: 78-83-1			
15.163	15.163	(1.050)	59	159101	200.000	203.39	50.00- 150.00	100.00	
15.163	15.163	(1.050)	41	3831998			2184.58-2284.58	2408.53	
15.163	15.163	(1.050)	43	5467551			3129.91-3229.91	3436.53	

119 Butyl Acetate						CAS #: 123-86-4			
20.084	20.084	(1.241)	56	5934986	200.000	201.73	50.00- 150.00	100.00	
20.084	20.084	(1.241)	73	1979527			0.00- 83.90	33.35	
20.084	20.084	(1.241)	43	13842214			179.50- 279.50	233.23	

135 Cyclohexanone						CAS #: 108-94-1			
23.291	23.291	(1.091)	55	5933400	200.000	211.04	50.00- 150.00	100.00(A)	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
135 Cyclohexanone (continued)									
23.291	23.291	(1.091)	98	2645914			0.00- 95.02	44.59	
23.291	23.291	(1.091)	42	3941080			14.99- 114.99	66.42	

146 Diisobutyl Ketone					CAS #: 108-83-8				
24.066	24.066	(1.127)	57	11603120	200.000	170.16	50.00- 150.00	100.00	
24.093	24.093	(1.128)	85	9832702			36.43- 136.43	84.74	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Report Date: 04-Oct-2007 09:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100314.d

Calibration Time: 20:17

Lab Smp Id: ICAL

Client Smp ID: level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03oct.b/t14q003a.m

Misc Info: 200ppbv-200ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	623417	374050	872784	665992	6.83
97 1,4-Difluorobenze	2025381	1215229	2835533	2089165	3.15
126 Chlorobenzene-d5	1452610	871566	2033654	1465081	0.86

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.44	14.11	14.77	14.44	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	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/msd7.1/7-03oct.b/7100314.d

Date : 03-OCT-2007 20:55

Client ID: Level 7

Sample Info: 200mL #1487-393

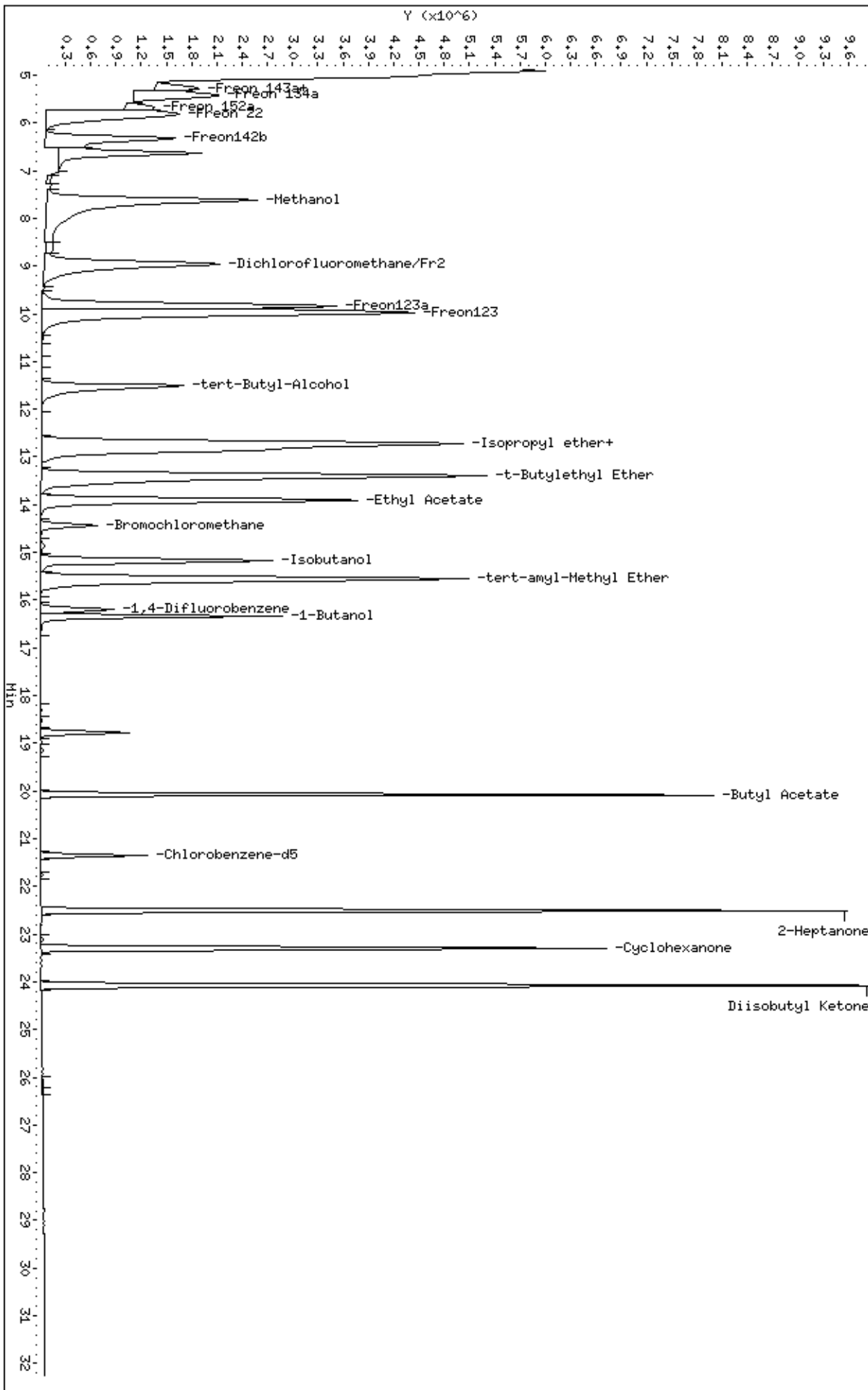
Column phase: RTX-624

Instrument: msd7.i

Operator: dm

Column diameter: 0.53

/chem/msd7.1/7-03oct.b/7100314.d



Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03octa.b/7100308.d
 Lab Smp Id: ICAL Client Smp ID: Level 7
 Inj Date : 03-OCT-2007 16:13
 Operator : dm Inst ID: msd7.i
 Smp Info : 200mL #1576-21
 Misc Info : 200ppbv --> 200ppbv
 Comment :
 Method : /chem/msd7.i/7-03octa.b/t14q003a.m
 Meth Date : 04-Oct-2007 08:15 ctaylor Quant Type: ISTD
 Cal Date : 03-OCT-2007 16:13 Cal File: 7100308.d
 Als bottle: 1 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.430	(1.000)	130	533555	25.0000			50.00- 150.00	100.00
14.430	14.430	(1.000)	128	417397				27.85- 127.85	78.23
14.458	14.458	(1.000)	49	1801388				127.63- 227.63	337.62

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	1950424	25.0000			50.00- 150.00	100.00
16.172	16.172	(1.000)	88	303321				0.00- 65.32	15.55

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1385777	25.0000			50.00- 150.00	100.00
21.342	21.342	(1.000)	82	756492				4.24- 104.24	54.59

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.075)	65	671068	25.0000	26.991		50.00- 150.00	100.00
15.508	15.508	(1.075)	67	457840				5.39- 105.39	68.23

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	1702915	25.0000	25.069		50.00- 150.00	100.00
18.771	18.771	(1.161)	70	181814				0.00- 60.57	10.68

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.771	18.771	(1.161)	100	1206003			20.85- 120.85	70.82		

\$ 137 Bromofluorobenzene										
						CAS #:	460-00-4			
23.333	23.333	(1.092)	174	732285	25.0000	25.713	50.00- 150.00	100.00		
23.333	23.333	(1.092)	95	1039443			94.21- 194.21	141.95		
23.333	23.333	(1.092)	176	705041			46.18- 146.18	96.28		

11 Propylene										
						CAS #:	115-07-1			
5.638	5.638	(0.391)	41	4535185	200.000	200.48	50.00- 150.00	100.00(A)		
5.638	5.638	(0.391)	42	3186463			20.61- 120.61	70.26		
5.638	5.638	(0.391)	39	3266787			23.53- 123.53	72.03		

12 Dichlorodifluoromethane/Fr12										
						CAS #:	75-71-8			
5.776	5.776	(0.400)	85	15265676	200.000	201.60	50.00- 150.00	100.00(A)		
5.776	5.776	(0.400)	87	4965199			0.00- 82.75	32.53		

16 Freon 114										
						CAS #:	76-14-2			
6.246	6.246	(0.433)	135	8154442	200.000	162.01	50.00- 150.00	100.00		
6.246	6.246	(0.433)	137	2609432			0.00- 80.95	32.00		

18 Chloromethane										
						CAS #:	74-87-3			
6.578	6.578	(0.456)	50	4945458	200.000	199.90	50.00- 150.00	100.00		
6.578	6.578	(0.456)	52	1688606			0.00- 84.99	34.14		

20 Vinyl Chloride										
						CAS #:	75-01-4			
6.909	6.909	(0.479)	62	7098001	200.000	201.38	50.00- 150.00	100.00(A)		
6.909	6.909	(0.479)	64	2257556			0.00- 86.07	31.81		

22 1,3-Butadiene										
						CAS #:	106-99-0			
6.992	6.992	(0.485)	54	5543969	200.000	207.47	50.00- 150.00	100.00(A)		
6.992	6.992	(0.485)	39	5253639			41.31- 141.31	94.76		

25 Bromomethane										
						CAS #:	74-83-9			
8.071	8.071	(0.559)	94	6779084	200.000	214.79	50.00- 150.00	100.00(A)		
8.071	8.071	(0.559)	96	6347479			43.66- 143.66	93.63		

27 Chloroethane										
						CAS #:	75-00-3			
8.402	8.402	(0.582)	64	3951175	200.000	227.77	50.00- 150.00	100.00(A)		
8.375	8.375	(0.580)	49	959201			0.00- 73.75	24.28		
8.375	8.375	(0.580)	66	1271354			0.00- 84.49	32.18		

31 Trichlorofluoromethane/Fr11										
						CAS #:	75-69-4			
9.011	9.011	(0.624)	101	15336321	200.000	205.25	50.00- 150.00	100.00(A)		
9.011	9.011	(0.624)	103	9922658			15.19- 115.19	64.70		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.481	9.481	(0.657)	45	2460399	200.000	203.00	50.00- 150.00	100.00(A)	
9.481	9.481	(0.657)	43	450285			0.00- 68.72	18.30	
9.481	9.481	(0.657)	46	963807			0.00- 87.77	39.17	

42 Freon 113						CAS #: 76-13-1			
10.227	10.227	(0.709)	151	8820304	200.000	198.31	50.00- 150.00	100.00	
10.227	10.227	(0.709)	153	5611817			14.52- 114.52	63.62	
10.227	10.227	(0.709)	101	11725679			85.43- 185.43	132.94	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.366	10.366	(0.718)	61	10183735	200.000	205.04	50.00- 150.00	100.00(A)	
10.366	10.366	(0.718)	96	6797696			19.57- 119.57	66.75	
10.366	10.366	(0.718)	98	4318861			0.00- 93.66	42.41	

45 Acetone						CAS #: 67-64-1			
10.504	10.504	(0.728)	58	3549342	200.000	200.89	50.00- 150.00	100.00(A)	
10.504	10.504	(0.728)	43	9460625			213.19- 313.19	266.55	

46 2-Propanol						CAS #: 67-63-0			
10.697	10.697	(0.741)	45	12358399	200.000	210.29	50.00- 150.00	100.00(A)	
10.697	10.697	(0.741)	43	2847824			0.00- 93.27	23.04	
10.697	10.697	(0.741)	59	525841			0.00- 54.21	4.25	

47 Carbon Disulfide						CAS #: 75-15-0			
10.919	10.919	(0.757)	76	21694184	200.000	203.67	50.00- 150.00	100.00(A)	

51 3-Chloropropene						CAS #: 107-05-1			
11.195	11.195	(0.776)	76	3951767	200.000	200.52	50.00- 150.00	100.00(A)	
11.195	11.195	(0.776)	41	9230569			181.03- 281.03	233.58	

54 Methylene Chloride						CAS #: 75-09-2			
11.499	11.499	(0.797)	49	7612906	200.000	206.09	50.00- 150.00	100.00(A)	
11.499	11.499	(0.797)	84	6168406			33.34- 133.34	81.03	
11.499	11.499	(0.797)	51	2370089			0.00- 83.61	31.13	

60 MTBE						CAS #: 1634-04-4			
11.831	11.831	(0.820)	73	11363039	200.000	163.89	50.00- 150.00	100.00	
11.831	11.831	(0.820)	57	2652617			0.00- 73.41	23.34	
11.831	11.831	(0.820)	41	2280922			0.00- 72.07	20.07	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.969	11.969	(0.829)	96	7753741	200.000	197.23	50.00- 150.00	100.00	
11.969	11.969	(0.829)	61	10611106			82.19- 182.19	136.85	
11.969	11.969	(0.829)	98	4960894			12.13- 112.13	63.98	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
12.329	12.329	(0.854)	57	11741656	200.000	203.20	50.00- 150.00	100.00(A)	
12.329	12.329	(0.854)	43	7120280			10.63- 110.63	60.64	
12.329	12.329	(0.854)	86	1875894			0.00- 65.99	15.98	

69 Vinyl Acetate						CAS #: 108-05-4			
12.826	12.826	(0.889)	86	1797548	200.000	198.98	50.00- 150.00	100.00	
12.826	12.826	(0.889)	43	18587238			961.24-1061.24	1034.03	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.854	12.854	(0.891)	63	12500446	200.000	197.63	50.00- 150.00	100.00	
12.854	12.854	(0.891)	65	3996041			0.00- 81.66	31.97	

75 2-Butanone						CAS #: 78-93-3			
13.905	13.905	(0.964)	72	3195606	200.000	211.20	50.00- 150.00	100.00(A)	
13.905	13.905	(0.964)	43	12783943			347.02- 447.02	400.05	
13.905	13.905	(0.964)	57	1030955			0.00- 83.11	32.26	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.960	13.960	(0.967)	61	8466764	200.000	205.80	50.00- 150.00	100.00(A)	
13.960	13.960	(0.967)	96	6660827			35.74- 135.74	78.67	
13.960	13.960	(0.967)	98	4246021			2.97- 102.97	50.15	

80 Tetrahydrofuran						CAS #: 109-99-9			
14.402	14.402	(0.998)	42	7249088	200.000	218.65	50.00- 150.00	100.00(A)	
14.402	14.402	(0.998)	71	2815364			0.00- 89.30	38.84	
14.402	14.402	(0.998)	72	3050562			0.00- 92.10	42.08	

82 Chloroform						CAS #: 67-66-3			
14.485	14.485	(1.004)	83	11086101	200.000	206.47	50.00- 150.00	100.00(A)	
14.485	14.485	(1.004)	85	7255775			13.70- 113.70	65.45	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.845	14.845	(1.029)	97	9781513	200.000	202.68	50.00- 150.00	100.00(A)	
14.845	14.845	(1.029)	99	6311371			16.16- 116.16	64.52	

85 Cyclohexane						CAS #: 110-82-7			
14.872	14.872	(1.031)	84	7113976	200.000	199.30	50.00- 150.00	100.00	
14.845	14.845	(1.029)	56	8914276			74.97- 174.97	125.31	
14.845	14.845	(1.029)	41	4563358			14.69- 114.69	64.15	

87 Carbon Tetrachloride						CAS #: 56-23-5			
15.121	15.121	(1.048)	119	8872003	200.000	212.38	50.00- 150.00	100.00(A)	
15.121	15.121	(1.048)	117	9241693			52.68- 152.68	104.17	

91 Benzene						CAS #: 71-43-2			
15.536	15.536	(0.961)	78	15753630	200.000	192.78	50.00- 150.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
91 Benzene (continued)									
15.536	15.536	(0.961)	77	3405710			0.00- 73.41	21.62	

89 2,2,4-Trimethylpentane CAS #: 540-84-1									
15.425	15.425	(1.069)	57	24331215	200.000	202.71	50.00- 150.00	100.00(A)	
15.425	15.425	(1.069)	56	8380317			0.00- 84.63	34.44	
15.425	15.425	(1.069)	41	5872385			0.00- 74.25	24.14	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	6841987	200.000	196.44	50.00- 150.00	100.00	
15.647	15.647	(0.968)	64	2173608			0.00- 82.78	31.77	

94 Heptane CAS #: 142-82-5									
15.730	15.730	(0.973)	71	4929290	200.000	191.63	50.00- 150.00	100.00	
15.730	15.730	(0.973)	43	9115396			136.07- 236.07	184.92	
15.730	15.730	(0.973)	57	5157263			52.56- 152.56	104.62	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	6363308	200.000	187.26	50.00- 150.00	100.00	
16.642	16.642	(1.029)	130	6148850			44.09- 144.09	96.63	
16.642	16.642	(1.029)	97	4123595			14.29- 114.29	64.80	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	5878751	200.000	197.33	50.00- 150.00	100.00	
17.140	17.140	(1.060)	62	4344841			24.19- 124.19	73.91	
17.140	17.140	(1.060)	41	3228495			8.23- 108.23	54.92	

106 1,4-Dioxane CAS #: 123-91-1									
17.250	17.250	(1.067)	88	3913719	200.000	194.64	50.00- 150.00	100.00	
17.250	17.250	(1.067)	58	2738505			19.42- 119.42	69.97	
17.250	17.250	(1.067)	57	881275			0.00- 71.64	22.52	

107 Bromodichloromethane CAS #: 75-27-4									
17.554	17.554	(1.085)	83	10221030	200.000	199.34	50.00- 150.00	100.00	
17.554	17.554	(1.085)	85	6600149			15.64- 115.64	64.57	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.356	18.356	(1.135)	75	8377918	200.000	201.93	50.00- 150.00	100.00(A)	
18.356	18.356	(1.135)	77	2714970			0.00- 83.82	32.41	
18.329	18.329	(1.133)	39	4420365			1.79- 101.79	52.76	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	4918579	200.000	210.02	50.00- 150.00	100.00(A)	
18.522	18.522	(1.145)	43	11741220			191.34- 291.34	238.71	
18.522	18.522	(1.145)	85	1928421			0.00- 90.12	39.21	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114	Toluene					CAS #:	108-88-3		
18.882	18.882	(1.168)	91	15812517	200.000	188.32	50.00-	150.00	100.00
18.882	18.882	(1.168)	92	10322716			14.83-	114.83	65.28

116	trans-1,3-Dichloropropene					CAS #:	10061-02-6		
19.324	19.324	(0.904)	75	8284095	200.000	211.86	50.00-	150.00	100.00(A)
19.324	19.324	(0.904)	77	2689326			0.00-	82.48	32.46
19.324	19.324	(0.904)	39	4269189			3.34-	103.34	51.53

117	1,1,2-Trichloroethane					CAS #:	79-00-5		
19.656	19.656	(0.920)	97	6011034	200.000	196.82	50.00-	150.00	100.00
19.656	19.656	(0.920)	99	3785960			13.25-	113.25	62.98
19.656	19.656	(0.920)	83	5022197			34.67-	134.67	83.55

120	Tetrachloroethene					CAS #:	127-18-4		
19.849	19.849	(0.929)	166	6099053	200.000	182.17	50.00-	150.00	100.00
19.822	19.822	(0.928)	129	4752607			26.50-	126.50	77.92
19.849	19.849	(0.929)	131	4556508			22.40-	122.40	74.71

121	2-Hexanone					CAS #:	591-78-6		
19.960	19.960	(0.934)	58	6865551	200.000	207.38	50.00-	150.00	100.00(A)
19.960	19.960	(0.934)	43	11743033			123.00-	223.00	171.04
19.960	19.960	(0.934)	100	1194697			0.00-	67.82	17.40

122	Dibromochloromethane					CAS #:	124-48-1		
20.347	20.347	(0.952)	129	8727622	200.000	204.72	50.00-	150.00	100.00(A)
20.347	20.347	(0.952)	127	6811517			27.17-	127.17	78.05

123	1,2-Dibromoethane					CAS #:	106-93-4		
20.624	20.624	(0.965)	107	8993289	200.000	194.54	50.00-	150.00	100.00
20.624	20.624	(0.965)	109	8466047			43.46-	143.46	94.14

127	Chlorobenzene					CAS #:	108-90-7		
21.398	21.398	(1.001)	112	11787981	200.000	187.60	50.00-	150.00	100.00
21.398	21.398	(1.001)	114	3811180			0.00-	82.11	32.33
21.398	21.398	(1.001)	77	6890620			16.61-	116.61	58.45

128	Ethyl Benzene					CAS #:	100-41-4		
21.481	21.481	(1.005)	106	6234559	200.000	190.11	50.00-	150.00	100.00
21.481	21.481	(1.005)	91	18614293			256.06-	356.06	298.57

129	m,p-Xylene					CAS #:	108-38-3		
21.702	21.702	(1.016)	106	7783419	200.000	186.46	50.00-	150.00	100.00
21.674	21.674	(1.014)	91	14656133			136.94-	236.94	188.30

130	o-Xylene					CAS #:	95-47-6		
22.393	22.393	(1.048)	106	6403881	200.000	181.77	50.00-	150.00	100.00

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	12630519			152.16- 252.16	197.23	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	10860433	200.000	187.79	50.00- 150.00	100.00	
22.421	22.421	(1.049)	78	5107072			1.89- 101.89	47.02	

133 Bromoform CAS #: 75-25-2									
22.835	22.835	(1.069)	173	6487091	200.000	199.75	50.00- 150.00	100.00	
22.835	22.835	(1.069)	171	3366512			1.19- 101.19	51.90	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	16391268	200.000	188.70	50.00- 150.00	100.00	
22.974	22.974	(1.075)	120	4572766			0.00- 79.63	27.90	
22.946	22.946	(1.074)	51	1651994			0.00- 61.53	10.08	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	10340777	200.000	188.04	50.00- 150.00	100.00	
23.527	23.527	(1.101)	85	6739468			13.65- 113.65	65.17	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	21192260	200.000	182.51	50.00- 150.00	100.00	
23.637	23.637	(1.106)	120	4919049			0.00- 73.30	23.21	
23.637	23.637	(1.106)	105	823306			0.00- 53.98	3.88	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	18703449	200.000	179.99	50.00- 150.00	100.00	
23.831	23.831	(1.115)	120	6234490			0.00- 82.30	33.33	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	13246105	200.000	174.53	50.00- 150.00	100.00	
23.914	23.914	(1.119)	120	6988738			3.49- 103.49	52.76	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	13247005	200.000	181.68	50.00- 150.00	100.00	
24.550	24.550	(1.149)	120	6575940			0.00- 98.61	49.64	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	9271314	200.000	184.57	50.00- 150.00	100.00	
25.130	25.130	(1.176)	148	5916453			12.94- 112.94	63.81	
25.130	25.130	(1.176)	111	3826566			0.00- 90.50	41.27	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	9511335	200.000	183.50	50.00- 150.00	100.00	
25.269	25.269	(1.182)	148	6049186			13.07- 113.07	63.60	
25.269	25.269	(1.182)	111	3754902			0.00- 88.75	39.48	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159	alpha-Chlorotoluene					CAS #: 100-44-7			
25.490	25.490	(1.193)	91	15946833	200.000	218.76	50.00- 150.00	100.00(A)	
25.490	25.490	(1.193)	126	3370887			0.00- 71.09	21.14	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.932	25.932	(1.213)	146	8683468	200.000	188.26	50.00- 150.00	100.00	
25.932	25.932	(1.213)	148	5544907			14.02- 114.02	63.86	
25.932	25.932	(1.213)	111	3681841			0.00- 91.69	42.40	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.808	28.808	(1.348)	180	4081943	200.000	236.66	50.00- 150.00	100.00(A)	
28.808	28.808	(1.348)	182	3874738			44.62- 144.62	94.92	

166	Hexachlorobutadiene					CAS #: 87-68-3			
29.001	29.001	(1.357)	225	2527793	200.000	192.38	50.00- 150.00	100.00	
29.001	29.001	(1.357)	223	1593575			13.74- 113.74	63.04	

167	Naphthalene					CAS #: 91-20-3			
29.388	29.388	(1.375)	128	9051993	200.000	252.84	50.00- 150.00	100.00(A)	
29.388	29.388	(1.375)	127	1082434			0.00- 61.83	11.96	

29	Isopentane					CAS #: 78-78-4			
8.402	8.402	(0.582)	43	8290452	200.000	202.20	50.00- 150.00	100.00(A)	
8.402	8.402	(0.582)	57	5848441			22.21- 122.21	70.54	

19	Butane					CAS #: 106-97-8			
6.826	6.826	(0.473)	58	1248894	200.000	199.89	50.00- 150.00	100.00	
6.826	6.826	(0.473)	43	9433674			713.56- 813.56	755.36	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.919	16.919	(1.172)	83	8407888	200.000	204.41	50.00- 150.00	100.00(A)	
16.919	16.919	(1.172)	98	3885404			0.00- 97.05	46.21	
16.919	16.919	(1.172)	55	7150404			36.33- 136.33	85.04	

QC Flag Legend

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

Report Date: 04-Oct-2007 08:15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 03-OCT-2007

Lab File ID: 7100308.d

Calibration Time: 14:49

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: dm

Method File: /chem/msd7.i/7-03octa.b/t14q003a.m

Misc Info: 200ppbv --> 200ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	558854	335312	782396	533555	-4.53
97 1,4-Difluorobenze	1930047	1158028	2702066	1950424	1.06
126 Chlorobenzene-d5	1418145	850887	1985403	1385777	-2.28

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

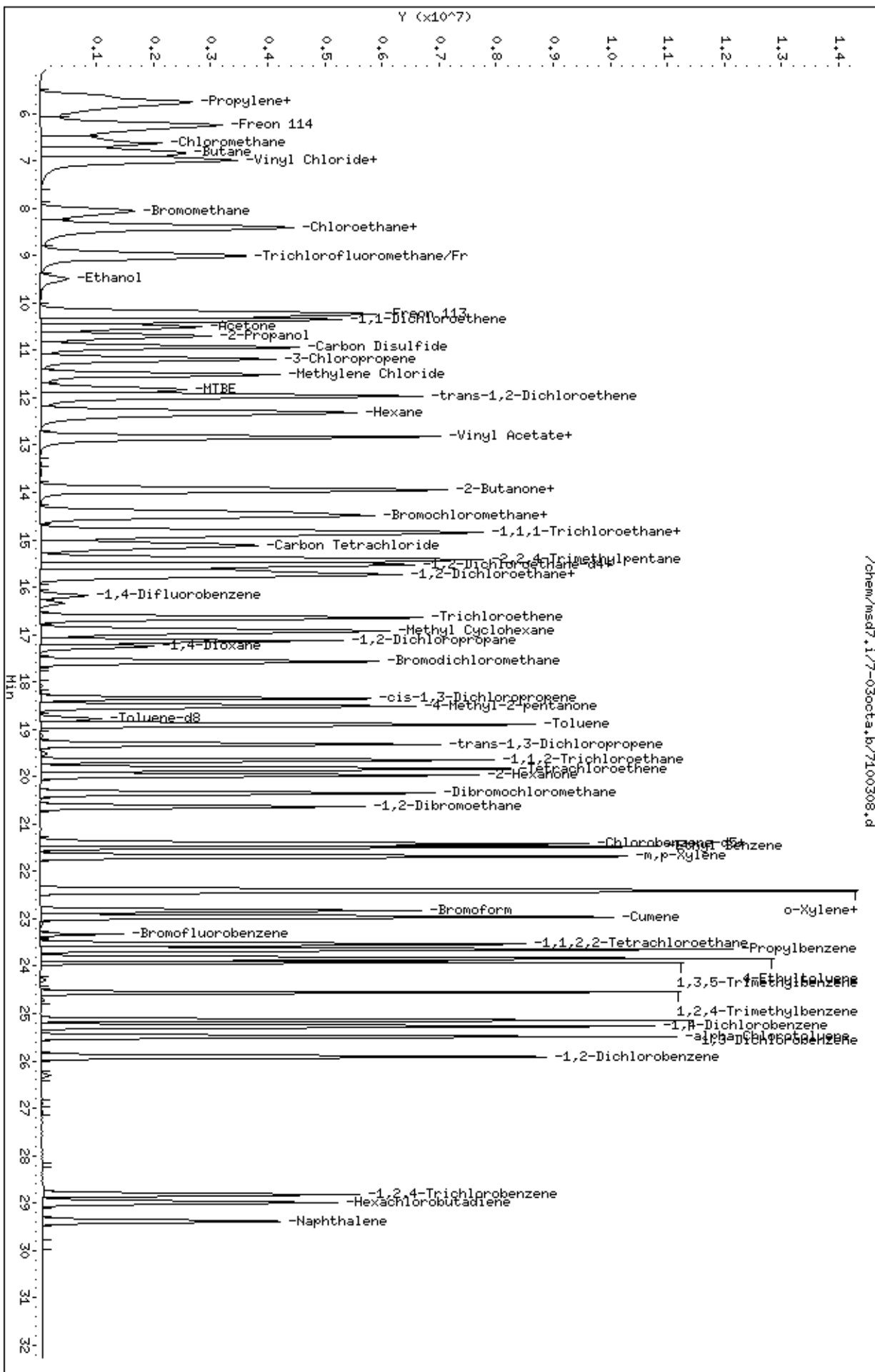
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.1/7-03octa.b/7100308.d
 Date: 03-OCT-2007 16:13
 Client ID: Level 7
 Sample Info: 200mL #1576-21

Column phase: RTX-624

Instrument: msd7.1
 Operator: dm
 Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709637-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 08:38 AM

Compound	%Recovery
Freon 12	116
Freon 114	102
Vinyl Chloride	109
Bromomethane	99
Chloroethane	95
Freon 11	110
1,1-Dichloroethene	113
Freon 113	92
Methylene Chloride	99
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	108
Chloroform	112
1,1,1-Trichloroethane	106
Carbon Tetrachloride	103
Benzene	110
1,2-Dichloroethane	126
Trichloroethene	103
1,2-Dichloropropane	110
cis-1,3-Dichloropropene	112
Toluene	100
trans-1,3-Dichloropropene	119
1,1,2-Trichloroethane	109
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	110
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	106
o-Xylene	106
Styrene	102
1,1,2,2-Tetrachloroethane	116
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	110
1,4-Dichlorobenzene	111
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	108
1,3-Butadiene	102
Hexane	93
Cyclohexane	94



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709637-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 08:38 AM

Compound	%Recovery
Heptane	102
Bromodichloromethane	117
Dibromochloromethane	115
Cumene	107
Propylbenzene	111
Chloromethane	106
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	82
Acetone	89
Carbon Disulfide	96
2-Propanol	86
trans-1,2-Dichloroethene	86
2-Butanone (Methyl Ethyl Ketone)	93
Tetrahydrofuran	106
1,4-Dioxane	101
4-Methyl-2-pentanone	108
2-Hexanone	110
Bromoform	111
4-Ethyltoluene	111
Ethanol	81
Methyl tert-butyl ether	97
3-Chloropropene	90
2,2,4-Trimethylpentane	100
Naphthalene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	104	70-130

Report Date: 10-Oct-2007 08:58

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 10-OCT-2007 08:38
 Lab File ID: t101002.d Init. Cal. Date(s): 05-OCT-2007 05-OCT-2007
 Analysis Type: AIR Init. Cal. Times: 12:48 19:30
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /chem/msdt.i/10Oct2007.b/t14q005a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 90 1,2-Dichloroethane-d4	1.91260	2.30852	0.010	-20.70032	30.00000	Averaged
\$ 113 Toluene-d8	0.97897	1.00114	0.010	-2.26426	30.00000	Averaged
\$ 137 Bromofluorobenzene	0.48356	0.50569	0.010	-4.57646	30.00000	Averaged
11 Propylene	1.78144	1.80675	0.010	-1.42101	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.70383	5.45233	0.010	-15.91243	30.00000	Averaged
16 Freon 114	4.44211	4.55586	0.010	-2.56072	30.00000	Averaged
18 Chloromethane	1.93204	2.04255	0.010	-5.71992	30.00000	Averaged
20 Vinyl Chloride	2.34074	2.55363	0.010	-9.09508	30.00000	Averaged
22 1,3-Butadiene	3.00846	3.08526	0.010	-2.55297	30.00000	Averaged
25 Bromomethane	1.75390	1.73231	0.010	1.23111	30.00000	Averaged
27 Chloroethane	1.23042	1.17303	0.010	4.66427	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	7.33613	8.08619	0.010	-10.22428	30.00000	Averaged
38 Ethanol	1.27118	1.02581	0.010	19.30221	30.00000	Averaged
42 Freon 113	5.37549	4.94494	0.010	8.00943	30.00000	Averaged
43 1,1-Dichloroethene	3.93188	4.44116	0.010	-12.95235	30.00000	Averaged
45 Acetone	1.46872	1.30482	0.010	11.15917	30.00000	Averaged
46 2-Propanol	6.24718	5.38680	0.010	13.77227	30.00000	Averaged
47 Carbon Disulfide	5.84347	5.61272	0.010	3.94879	30.00000	Averaged
51 3-Chloropropene	1.04246	0.93704	0.010	10.11285	30.00000	Averaged
54 Methylene Chloride	3.17663	3.13639	0.010	1.26663	30.00000	Averaged
60 MTBE	5.51852	5.34347	0.010	3.17202	30.00000	Averaged
61 trans-1,2-Dichloroethene	2.21414	1.90795	0.010	13.82852	30.00000	Averaged
65 Hexane	5.67123	5.29969	0.010	6.55124	30.00000	Averaged
69 Vinyl Acetate	0.55960	0.40543	0.010	27.55027	30.00000	Averaged
70 1,1-Dichloroethane	4.71492	5.05740	0.010	-7.26375	30.00000	Averaged
75 2-Butanone	1.07957	1.00378	0.010	7.02006	30.00000	Averaged
76 cis-1,2-Dichloroethene	3.14885	3.39587	0.010	-7.84478	30.00000	Averaged
80 Tetrahydrofuran	2.84369	3.00040	0.010	-5.51095	30.00000	Averaged
82 Chloroform	3.57602	3.99306	0.010	-11.66199	30.00000	Averaged
83 1,1,1-Trichloroethane	4.06922	4.30121	0.010	-5.70113	30.00000	Averaged
85 Cyclohexane	2.89636	2.73167	0.010	5.68614	30.00000	Averaged
87 Carbon Tetrachloride	3.39201	3.48228	0.010	-2.66128	30.00000	Averaged
89 2,2,4-Trimethylpentane	12.03341	12.00005	0.010	0.27723	30.00000	Averaged
91 Benzene	1.24369	1.37079	0.010	-10.22001	30.00000	Averaged
93 1,2-Dichloroethane	0.66117	0.83400	0.010	-26.13977	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 10-OCT-2007 08:38
 Lab File ID: t101002.d Init. Cal. Date(s): 05-OCT-2007 05-OCT-2007
 Analysis Type: AIR Init. Cal. Times: 12:48 19:30
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /chem/msdt.i/10Oct2007.b/t14q005a.m

COMPOUND	RRF / AMOUNT	RF50	MIN	MAX	CURVE TYPE
			RRF %D / %DRIFT	%D / %DRIFT	
94 Heptane	0.46988	0.48035	0.010 -2.22731	30.00000	Averaged
101 Trichloroethene	0.49101	0.50402	0.010 -2.64890	30.00000	Averaged
104 1,2-Dichloropropane	0.55307	0.60911	0.010 -10.13333	30.00000	Averaged
106 1,4-Dioxane	0.30347	0.30556	0.010 -0.68839	30.00000	Averaged
107 Bromodichloromethane	0.83212	0.97234	0.010 -16.85094	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.69062	0.77568	0.010 -12.31595	30.00000	Averaged
111 4-Methyl-2-pentanone	0.49704	0.53714	0.010 -8.06713	30.00000	Averaged
114 Toluene	1.35326	1.36089	0.010 -0.56381	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.80860	0.96472	0.010 -19.30730	30.00000	Averaged
117 1,1,2-Trichloroethane	0.56279	0.61315	0.010 -8.94878	30.00000	Averaged
120 Tetrachloroethene	0.62487	0.64472	0.010 -3.17686	30.00000	Averaged
121 2-Hexanone	0.79009	0.86717	0.010 -9.75512	30.00000	Averaged
122 Dibromochloromethane	0.79776	0.91776	0.010 -15.04289	30.00000	Averaged
123 1,2-Dibromoethane	0.89644	0.98399	0.010 -9.76678	30.00000	Averaged
127 Chlorobenzene	1.20521	1.26976	0.010 -5.35619	30.00000	Averaged
128 Ethyl Benzene	0.63743	0.66360	0.010 -4.10486	30.00000	Averaged
129 m,p-Xylene	0.78521	0.82882	0.010 -5.55500	30.00000	Averaged
130 o-Xylene	0.71885	0.76368	0.010 -6.23737	30.00000	Averaged
131 Styrene	1.17950	1.20363	0.010 -2.04540	30.00000	Averaged
133 Bromoform	0.68200	0.75977	0.010 -11.40282	30.00000	Averaged
134 Cumene	1.75379	1.87466	0.010 -6.89167	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.16708	1.35787	0.010 -16.34741	30.00000	Averaged
142 Propylbenzene	2.21560	2.45520	0.010 -10.81449	30.00000	Averaged
145 4-Ethyltoluene	1.69267	1.87619	0.010 -10.84216	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.48812	1.59369	0.010 -7.09434	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.28968	1.38933	0.010 -7.72690	30.00000	Averaged
155 1,3-Dichlorobenzene	0.84044	0.92259	0.010 -9.77421	30.00000	Averaged
156 1,4-Dichlorobenzene	0.83931	0.93505	0.010 -11.40698	30.00000	Averaged
159 alpha-Chlorotoluene	1.16214	1.30468	0.010 -12.26482	30.00000	Averaged
161 1,2-Dichlorobenzene	0.76090	0.81922	0.010 -7.66382	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.32882	0.30101	0.010 8.45906	30.00000	Averaged
166 Hexachlorobutadiene	0.39571	0.32448	0.010 17.99930	30.00000	Averaged
29 Isopentane	6.51347	6.50922	0.010 0.06522	30.00000	Averaged
19 Butane	0.71631	0.72222	0.010 -0.82619	30.00000	Averaged
102 Methyl Cyclohexane	3.09037	3.04393	0.010 1.50256	30.00000	Averaged
167 Naphthalene	0.79569	0.74136	0.010 6.82828	30.00000	Averaged

Report Date: 10-Oct-2007 08:58

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/10Oct2007.b/t101002.d
 Lab Smp Id: CCV-1 Client Smp ID: CCV-1
 Inj Date : 10-OCT-2007 08:38
 Operator : cb Inst ID: msdt.i
 Smp Info : 50mL #1443-270
 Misc Info : 200ppbv --> 50ppbv
 Comment :
 Method : /chem/msdt.i/10Oct2007.b/t14q005a.m
 Meth Date : 10-Oct-2007 08:58 cbond Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	226831	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	177312			28.17- 128.17	78.17	
13.886	13.886	(1.000)	49	861652			329.87- 429.87	379.87	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.628	(1.000)	114	914695	25.0000		80.00- 120.00	100.00	
15.628	15.628	(1.000)	88	170225			0.00- 68.61	18.61	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	784660	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	553014			11.55- 111.55	70.48	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	523643	25.0000	30.175	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	281945			3.71- 103.71	53.84	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	915737	25.0000	25.566	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	138781			0.00- 62.83	15.16	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.227	18.227	(1.166)	100	639982			22.56- 122.56	69.89		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
22.789	22.789	(1.096)	174	396791	25.0000	26.144	80.00- 120.00	100.00		
22.789	22.789	(1.096)	95	677426			120.73- 220.73	170.73		
22.789	22.789	(1.096)	176	395460			49.66- 149.66	99.66		

11 Propylene										
						CAS #: 115-07-1				
5.840	5.840	(0.421)	41	819656	50.0000	50.710	80.00- 120.00	100.00		
5.840	5.840	(0.421)	42	574434			18.28- 118.28	70.08		
5.840	5.840	(0.421)	39	623477			23.47- 123.47	76.07		

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.950	5.950	(0.429)	85	2473513	50.0000	57.956	80.00- 120.00	100.00		
5.950	5.950	(0.429)	87	791170			0.00- 82.09	31.99		

16 Freon 114										
						CAS #: 76-14-2				
6.310	6.310	(0.454)	135	2066822	50.0000	51.280	80.00- 120.00	100.00		
6.310	6.310	(0.454)	137	635685			0.00- 84.11	30.76		

18 Chloromethane										
						CAS #: 74-87-3				
6.559	6.559	(0.472)	50	926627	50.0000	52.860	80.00- 120.00	100.00		
6.559	6.559	(0.472)	52	292272			0.00- 83.72	31.54		

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.918	6.918	(0.498)	62	1158486	50.0000	54.548	80.00- 120.00	100.00		
6.918	6.918	(0.498)	64	352121			0.00- 88.78	30.39		

22 1,3-Butadiene										
						CAS #: 106-99-0				
7.001	7.001	(0.504)	54	1399666	50.0000	51.276	80.00- 120.00	100.00		
7.001	7.001	(0.504)	39	1449734			47.92- 147.92	103.58		

25 Bromomethane										
						CAS #: 74-83-9				
7.941	7.941	(0.572)	94	785883	50.0000	49.384	80.00- 120.00	100.00		
7.941	7.941	(0.572)	96	706000			39.84- 139.84	89.84		

27 Chloroethane										
						CAS #: 75-00-3				
8.218	8.218	(0.592)	64	532161	50.0000	47.668	80.00- 120.00	100.00		
8.218	8.218	(0.592)	49	186202			0.00- 79.32	34.99		
8.218	8.218	(0.592)	66	163456			0.00- 83.65	30.72		

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
8.798	8.798	(0.634)	101	3668399	50.0000	55.112	80.00- 120.00	100.00		
8.798	8.798	(0.634)	103	2368326			14.56- 114.56	64.56		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.667)	45	465373	50.0000	40.349	80.00- 120.00	100.00	
9.268	9.268	(0.667)	43	110543			0.00- 75.47	23.75	
9.268	9.268	(0.667)	46	160052			0.00- 89.98	34.39	

42 Freon 113						CAS #: 76-13-1			
9.959	9.959	(0.717)	151	2243331	50.0000	45.995	80.00- 120.00	100.00	
9.959	9.959	(0.717)	153	1395684			12.21- 112.21	62.21	
9.959	9.959	(0.717)	101	3333884			98.61- 198.61	148.61	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.070	10.070	(0.725)	61	2014784	50.0000	56.476	80.00- 120.00	100.00	
10.070	10.070	(0.725)	96	810847			0.00- 90.24	40.24	
10.070	10.070	(0.725)	98	513560			0.00- 75.49	25.49	

45 Acetone						CAS #: 67-64-1			
10.208	10.208	(0.735)	58	591947	50.0000	44.420	80.00- 120.00	100.00	
10.208	10.208	(0.735)	43	2187555			257.67- 357.67	369.55	

46 2-Propanol						CAS #: 67-63-0			
10.402	10.402	(0.749)	45	2443787	50.0000	43.114	80.00- 120.00	100.00	
10.402	10.402	(0.749)	43	620336			0.00- 72.34	25.38	
10.402	10.402	(0.749)	59	80856			0.00- 54.25	3.31	

47 Carbon Disulfide						CAS #: 75-15-0			
10.568	10.568	(0.761)	76	2546278	50.0000	48.026	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.844	10.844	(0.781)	76	425100	50.0000	44.944	80.00- 120.00	100.00	
10.844	10.844	(0.781)	41	1656879			318.47- 418.47	389.76	

54 Methylene Chloride						CAS #: 75-09-2			
11.121	11.121	(0.801)	49	1422862	50.0000	49.367	80.00- 120.00	100.00	
11.121	11.121	(0.801)	84	705526			0.00- 99.58	49.58	
11.121	11.121	(0.801)	51	428033			0.00- 84.40	30.08	

60 MTBE						CAS #: 1634-04-4			
11.480	11.480	(0.827)	73	2424129	50.0000	48.414	80.00- 120.00	100.00	
11.480	11.480	(0.827)	57	668316			0.00- 77.57	27.57	
11.453	11.453	(0.825)	41	728585			0.00- 84.80	30.06	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.563	11.563	(0.833)	96	865566	50.0000	43.086	80.00- 120.00	100.00	
11.563	11.563	(0.833)	61	1828769			161.28- 261.28	211.28	
11.563	11.563	(0.833)	98	536812			10.75- 110.75	62.02	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
11.923	11.923	(0.859)	57	2404270	50.0000	46.724	80.00- 120.00	100.00	
11.923	11.923	(0.859)	43	1634360			15.98- 115.98	67.98	
11.923	11.923	(0.859)	86	256997			0.00- 62.69	10.69	

69 Vinyl Acetate						CAS #: 108-05-4			
12.393	12.393	(0.892)	86	183927	50.0000	36.225	80.00- 120.00	100.00	
12.365	12.365	(0.890)	43	3132339			1361.23-1461.23	1703.03	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.393	12.393	(0.892)	63	2294351	50.0000	53.632	80.00- 120.00	100.00	
12.393	12.393	(0.892)	65	700988			0.00- 80.55	30.55	

75 2-Butanone						CAS #: 78-93-3			
13.416	13.416	(0.966)	72	455377	50.0000	46.490	80.00- 120.00	100.00	
13.416	13.416	(0.966)	43	2517917			502.93- 602.93	552.93	
13.416	13.416	(0.966)	57	195017			0.00- 92.45	42.83	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.443	13.443	(0.968)	61	1540578	50.0000	53.922	80.00- 120.00	100.00	
13.443	13.443	(0.968)	96	781352			0.72- 100.72	50.72	
13.443	13.443	(0.968)	98	489506			0.00- 81.77	31.77	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.886	13.886	(1.000)	42	1361167	50.0000	52.755	80.00- 120.00	100.00	
13.886	13.886	(1.000)	71	392607			0.00- 78.84	28.84	
13.886	13.886	(1.000)	72	422592			0.00- 85.37	31.05	

82 Chloroform						CAS #: 67-66-3			
13.969	13.969	(1.006)	83	1811498	50.0000	55.831	80.00- 120.00	100.00	
13.969	13.969	(1.006)	85	1160174			14.05- 114.05	64.05	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.300	14.300	(1.030)	97	1951294	50.0000	52.850	80.00- 120.00	100.00	
14.300	14.300	(1.030)	99	1246451			13.88- 113.88	63.88	

85 Cyclohexane						CAS #: 110-82-7			
14.300	14.300	(1.030)	84	1239254	50.0000	47.157	80.00- 120.00	100.00	
14.300	14.300	(1.030)	56	2057314			116.01- 216.01	166.01	
14.300	14.300	(1.030)	41	1204039			47.16- 147.16	97.16	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.549	14.549	(1.048)	119	1579777	50.0000	51.331	80.00- 120.00	100.00	
14.549	14.549	(1.048)	117	1660216			55.09- 155.09	105.09	

89 2,2,4-Trimethylpentane						CAS #: 540-84-1			
14.881	14.881	(1.072)	57	5443966	50.0000	49.861	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
89 2,2,4-Trimethylpentane (continued)									
14.881	14.881	(1.072)	56	1840954			0.00- 82.88	33.82	
14.881	14.881	(1.072)	41	1590982			0.00- 79.52	29.22	

91 Benzene CAS #: 71-43-2									
14.964	14.964	(0.958)	78	2507716	50.0000	55.110	80.00- 120.00	100.00	
14.964	14.964	(0.958)	77	536138			0.00- 74.31	21.38	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.102	15.102	(0.966)	62	1525714	50.0000	63.070	80.00- 120.00	100.00	
15.102	15.102	(0.966)	64	467703			0.00- 82.31	30.65	

94 Heptane CAS #: 142-82-5									
15.185	15.185	(0.972)	71	878745	50.0000	51.114	80.00- 120.00	100.00	
15.185	15.185	(0.972)	43	2151704			178.63- 278.63	244.86	
15.185	15.185	(0.972)	57	1074920			61.28- 161.28	122.32	

101 Trichloroethene CAS #: 79-01-6									
16.098	16.098	(1.030)	95	922045	50.0000	51.324	80.00- 120.00	100.00	
16.098	16.098	(1.030)	130	781103			34.71- 134.71	84.71	
16.098	16.098	(1.030)	97	598061			14.86- 114.86	64.86	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.568	16.568	(1.060)	63	1114298	50.0000	55.067	80.00- 120.00	100.00	
16.568	16.568	(1.060)	62	827120			24.23- 124.23	74.23	
16.568	16.568	(1.060)	41	784672			20.42- 120.42	70.42	

106 1,4-Dioxane CAS #: 123-91-1									
16.706	16.706	(1.069)	88	558995	50.0000	50.344	80.00- 120.00	100.00	
16.706	16.706	(1.069)	58	523761			43.70- 143.70	93.70	
16.706	16.706	(1.069)	57	180972			0.00- 80.68	32.37	

107 Bromodichloromethane CAS #: 75-27-4									
17.010	17.010	(1.088)	83	1778781	50.0000	58.425	80.00- 120.00	100.00	
17.010	17.010	(1.088)	85	1109676			12.38- 112.38	62.38	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.784	17.784	(1.138)	75	1419014	50.0000	56.158	80.00- 120.00	100.00	
17.784	17.784	(1.138)	77	438759			0.00- 80.92	30.92	
17.784	17.784	(1.138)	39	1042835			23.49- 123.49	73.49	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
17.978	17.978	(1.150)	58	982635	50.0000	54.034	80.00- 120.00	100.00	
17.978	17.978	(1.150)	43	2713261			211.99- 311.99	276.12	
17.978	17.978	(1.150)	85	300157			0.00- 83.31	30.55	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.337	18.337	(1.173)	91	2489598	50.0000	50.282	80.00- 120.00	100.00	
18.337	18.337	(1.173)	92	1582924			13.58- 113.58	63.58	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	1513955	50.0000	59.654	80.00- 120.00	100.00	
18.780	18.780	(0.903)	77	472614			0.00- 81.22	31.22	
18.780	18.780	(0.903)	39	1055708			19.73- 119.73	69.73	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.111	19.111	(0.919)	97	962226	50.0000	54.474	80.00- 120.00	100.00	
19.111	19.111	(0.919)	99	575138			9.77- 109.77	59.77	
19.111	19.111	(0.919)	83	885731			42.05- 142.05	92.05	

120 Tetrachloroethene						CAS #: 127-18-4			
19.277	19.277	(0.927)	166	1011767	50.0000	51.588	80.00- 120.00	100.00	
19.277	19.277	(0.927)	129	789662			28.05- 128.05	78.05	
19.277	19.277	(0.927)	131	813605			30.41- 130.41	80.41	

121 2-Hexanone						CAS #: 591-78-6			
19.443	19.443	(0.935)	58	1360866	50.0000	54.878	80.00- 120.00	100.00	
19.443	19.443	(0.935)	43	2777569			154.10- 254.10	204.10	
19.443	19.443	(0.935)	100	159559			0.00- 63.81	11.72	

122 Dibromochloromethane						CAS #: 124-48-1			
19.803	19.803	(0.952)	129	1440264	50.0000	57.521	80.00- 120.00	100.00	
19.803	19.803	(0.952)	127	1122576			26.76- 126.76	77.94	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.079	20.079	(0.965)	107	1544192	50.0000	54.883	80.00- 120.00	100.00	
20.079	20.079	(0.965)	109	1451218			43.98- 143.98	93.98	

127 Chlorobenzene						CAS #: 108-90-7			
20.853	20.853	(1.003)	112	1992663	50.0000	52.678	80.00- 120.00	100.00	
20.853	20.853	(1.003)	114	628075			0.00- 81.52	31.52	
20.853	20.853	(1.003)	77	1453982			22.97- 122.97	72.97	

128 Ethyl Benzene						CAS #: 100-41-4			
20.936	20.936	(1.007)	106	1041395	50.0000	52.052	80.00- 120.00	100.00	
20.936	20.936	(1.007)	91	3528802			270.03- 370.03	338.85	

129 m,p-Xylene						CAS #: 108-38-3			
21.157	21.157	(1.017)	106	1300689	50.0000	52.777	80.00- 120.00	100.00	
21.157	21.157	(1.017)	91	2850293			161.94- 261.94	219.14	

130 o-Xylene						CAS #: 95-47-6			
21.849	21.849	(1.051)	106	1198466	50.0000	53.119	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	2689599			174.42- 274.42	224.42	

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	1888879	50.0000	51.023	80.00- 120.00	100.00	
21.876	21.876	(1.052)	78	1190874			13.05- 113.05	63.05	

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	1192322	50.0000	55.701	80.00- 120.00	100.00	
22.291	22.291	(1.072)	171	623860			2.32- 102.32	52.32	

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	2941934	50.0000	53.446	80.00- 120.00	100.00	
22.429	22.429	(1.078)	120	739227			0.00- 78.50	25.13	
22.429	22.429	(1.078)	51	499581			0.00- 65.94	16.98	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	2130929	50.0000	58.174	80.00- 120.00	100.00	
23.010	23.010	(1.106)	85	1340515			12.91- 112.91	62.91	

142 Propylbenzene CAS #: 103-65-1									
23.121	23.121	(1.112)	91	3852999	50.0000	55.407	80.00- 120.00	100.00	
23.121	23.121	(1.112)	120	751570			0.00- 69.31	19.51	
23.121	23.121	(1.112)	105	128173			0.00- 53.79	3.33	

145 4-Ethyltoluene CAS #: 622-96-8									
23.286	23.286	(1.120)	105	2944338	50.0000	55.421	80.00- 120.00	100.00	
23.286	23.286	(1.120)	120	850798			0.00- 78.90	28.90	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	2501013	50.0000	53.547	80.00- 120.00	100.00	
23.397	23.397	(1.125)	120	1129533			0.00- 97.80	45.16	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	2180299	50.0000	53.863	80.00- 120.00	100.00	
24.033	24.033	(1.156)	120	947939			0.00- 93.56	43.48	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	1447832	50.0000	54.887	80.00- 120.00	100.00	
24.586	24.586	(1.182)	148	922017			13.27- 113.27	63.68	
24.586	24.586	(1.182)	111	637936			0.00- 94.36	44.06	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	1467391	50.0000	55.703	80.00- 120.00	100.00	
24.752	24.752	(1.190)	148	904704			12.89- 112.89	61.65	
24.724	24.724	(1.189)	111	601668			0.00- 93.08	41.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
24.945	24.945	(1.199)	91	2047457	50.0000	56.132	80.00- 120.00	100.00	
24.945	24.945	(1.199)	126	332315			0.00- 68.80	16.23	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.360	25.360	(1.219)	146	1285612	50.0000	53.832	80.00- 120.00	100.00	
25.360	25.360	(1.219)	148	790168			11.46- 111.46	61.46	
25.360	25.360	(1.219)	111	584256			0.00- 95.45	45.45	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.153	28.153	(1.354)	180	472379	50.0000	45.770	80.00- 120.00	100.00	
28.153	28.153	(1.354)	182	449656			45.19- 145.19	95.19	

166	Hexachlorobutadiene					CAS #: 87-68-3			
28.319	28.319	(1.362)	225	509220	50.0000	41.000	80.00- 120.00	100.00	
28.319	28.319	(1.362)	223	317973			11.27- 111.27	62.44	

29	Isopentane					CAS #: 78-78-4			
8.273	8.273	(0.596)	43	2952985	50.0000	49.967	80.00- 120.00	100.00	
8.273	8.273	(0.596)	57	1917987			17.93- 117.93	64.95	

19	Butane					CAS #: 106-97-8			
6.835	6.835	(0.492)	58	327646	50.0000	50.413	80.00- 120.00	100.00	
6.835	6.835	(0.492)	43	2782068			752.21- 852.21	849.11	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.374	16.374	(1.179)	83	1380916	50.0000	49.249	80.00- 120.00	100.00	
16.374	16.374	(1.179)	98	555786			0.00- 96.41	40.25	
16.374	16.374	(1.179)	55	1595033			72.17- 172.17	115.51	

167	Naphthalene					CAS #: 91-20-3			
28.678	28.678	(1.379)	128	1163430	50.0000	46.586	80.00- 120.00	100.00	
28.678	28.678	(1.379)	127	135761			0.00- 64.01	11.67	

Report Date: 10-Oct-2007 08:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 10-OCT-2007

Lab File ID: t101002.d

Calibration Time: 08:38

Lab Smp Id: CCV-1

Client Smp ID: CCV-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m

Misc Info: 200ppbv --> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	226831	136099	317563	226831	0.00
97 1,4-Difluorobenze	914695	548817	1280573	914695	0.00
126 Chlorobenzene-d5	784660	470796	1098524	784660	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

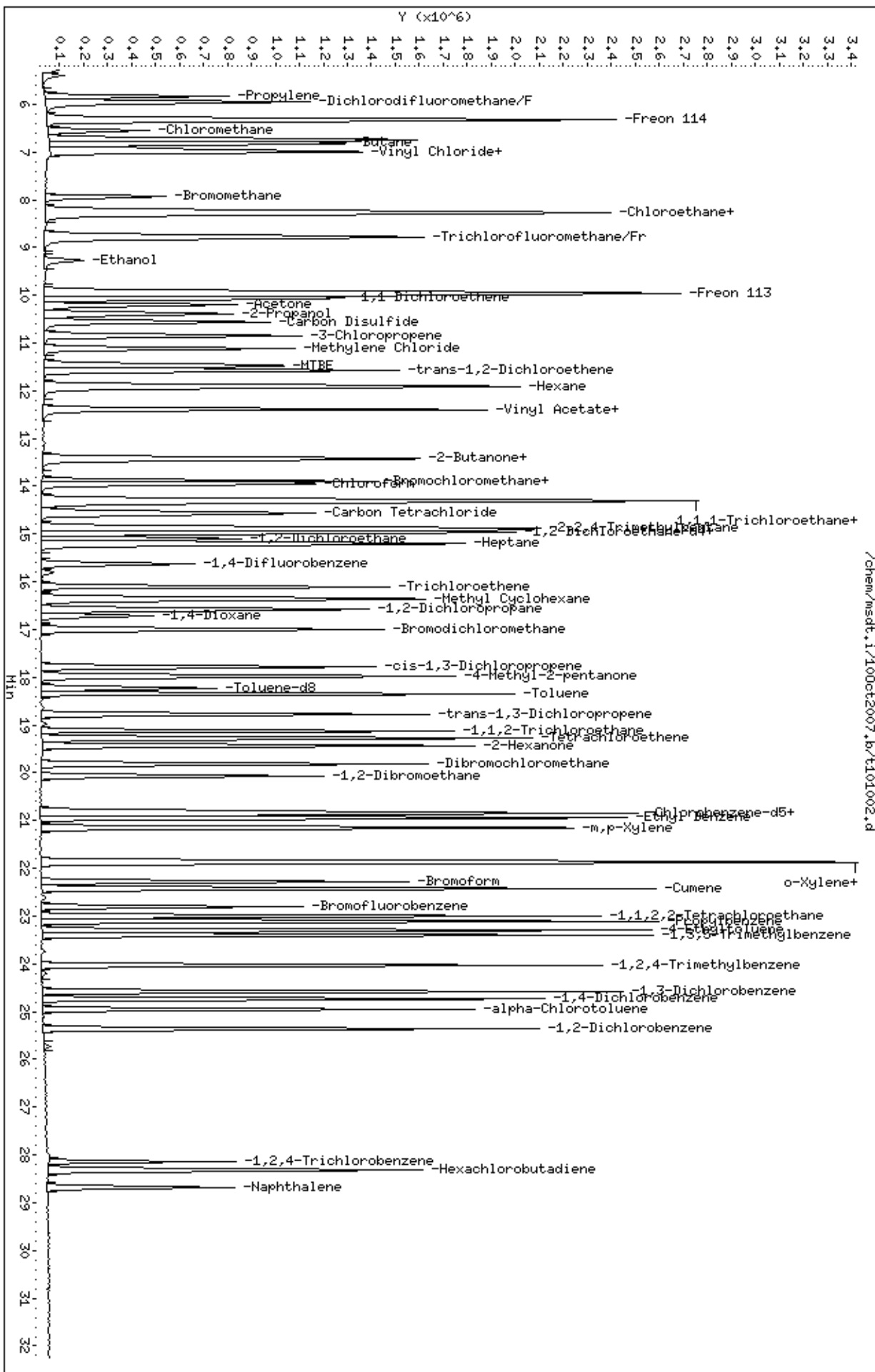
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/100oct2007,b/t101002.d
 Date: 10-OCT-2007 08:38
 Client ID: CCV-1
 Sample Info: 50mL #1443-270

Column phase: RTX-624

Instrument: msdt,i
 Operator: cb
 Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709637-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 08:29 AM

Compound	%Recovery
Freon 12	110
Freon 114	115
Vinyl Chloride	99
Bromomethane	94
Chloroethane	97
Freon 11	107
1,1-Dichloroethene	98
Freon 113	105
Methylene Chloride	93
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	100
Chloroform	107
1,1,1-Trichloroethane	111
Carbon Tetrachloride	120
Benzene	106
1,2-Dichloroethane	118
Trichloroethene	108
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	114
Toluene	107
trans-1,3-Dichloropropene	115
1,1,2-Trichloroethane	104
Tetrachloroethene	118
1,2-Dibromoethane (EDB)	111
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	103
o-Xylene	104
Styrene	108
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	110
1,2-Dichlorobenzene	106
1,3-Butadiene	95
Hexane	87
Cyclohexane	96



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0709637-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 08:29 AM

Compound	%Recovery
Heptane	107
Bromodichloromethane	124
Dibromochloromethane	127
Cumene	106
Propylbenzene	103
Chloromethane	103
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	96
Acetone	86
Carbon Disulfide	92
2-Propanol	91
trans-1,2-Dichloroethene	91
2-Butanone (Methyl Ethyl Ketone)	94
Tetrahydrofuran	101
1,4-Dioxane	102
4-Methyl-2-pentanone	109
2-Hexanone	100
Bromoform	140 Q
4-Ethyltoluene	104
Ethanol	91
Methyl tert-butyl ether	89
3-Chloropropene	83
2,2,4-Trimethylpentane	96
Naphthalene	76

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	110	70-130

Report Date: 10-Oct-2007 20:37

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 10-OCT-2007 08:29
 Lab File ID: 7101002.d Init. Cal. Date(s): 03-OCT-2007 04-OCT-2007
 Analysis Type: AIR Init. Cal. Times: 11:54 14:38
 Lab Sample ID: CCV-1 Quant Type: ISTD
 Method: /chem/msd7.i/7-10oct.b/t14q003b.m

COMPOUND	RRF / AMOUNT	RF50	MIN	MAX	CURVE TYPE	
			RRF	%D / %DRIFT	%D / %DRIFT	
\$ 90 1,2-Dichloroethane-d4	1.16495	1.24057	0.010	-6.49113	30.00000	Averaged
\$ 113 Toluene-d8	0.87070	0.87163	0.010	-0.10688	30.00000	Averaged
\$ 137 Bromofluorobenzene	0.51378	0.56553	0.010	-10.07177	30.00000	Averaged
11 Propylene	1.05995	1.06128	0.010	-0.12596	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	3.54805	3.91524	0.010	-10.34900	30.00000	Averaged
16 Freon 114	2.35834	2.71379	0.010	-15.07191	30.00000	Averaged
18 Chloromethane	1.15917	1.19742	0.010	-3.29936	30.00000	Averaged
20 Vinyl Chloride	1.65152	1.63335	0.010	1.10026	30.00000	Averaged
22 1,3-Butadiene	1.25207	1.19443	0.010	4.60335	30.00000	Averaged
25 Bromomethane	1.47885	1.39510	0.010	5.66339	30.00000	Averaged
27 Chloroethane	0.81282	0.79174	0.010	2.59413	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	3.50100	3.74494	0.010	-6.96761	30.00000	Averaged
38 Ethanol	0.56791	0.51857	0.010	8.68693	30.00000	Averaged
42 Freon 113	2.08402	2.18080	0.010	-4.64401	30.00000	Averaged
43 1,1-Dichloroethene	2.32715	2.28334	0.010	1.88276	30.00000	Averaged
45 Acetone	0.82785	0.70884	0.010	14.37536	30.00000	Averaged
46 2-Propanol	2.75362	2.50215	0.010	9.13245	30.00000	Averaged
47 Carbon Disulfide	4.99079	4.57125	0.010	8.40627	30.00000	Averaged
51 3-Chloropropene	0.92342	0.76976	0.010	16.63950	30.00000	Averaged
54 Methylene Chloride	1.73081	1.61511	0.010	6.68480	30.00000	Averaged
60 MTBE	3.24863	2.89676	0.010	10.83151	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.84200	1.68542	0.010	8.50053	30.00000	Averaged
65 Hexane	2.70747	2.36893	0.010	12.50407	30.00000	Averaged
69 Vinyl Acetate	0.42328	0.36891	0.010	12.84487	30.00000	Averaged
70 1,1-Dichloroethane	2.96369	2.79556	0.010	5.67292	30.00000	Averaged
75 2-Butanone	0.70896	0.66321	0.010	6.45375	30.00000	Averaged
76 cis-1,2-Dichloroethene	1.92767	1.92803	0.010	-0.01883	30.00000	Averaged
80 Tetrahydrofuran	1.55341	1.57188	0.010	-1.18906	30.00000	Averaged
82 Chloroform	2.51588	2.69540	0.010	-7.13526	30.00000	Averaged
83 1,1,1-Trichloroethane	2.26127	2.51419	0.010	-11.18477	30.00000	Averaged
85 Cyclohexane	1.67245	1.59988	0.010	4.33929	30.00000	Averaged
87 Carbon Tetrachloride	1.95736	2.34149	0.010	-19.62503	30.00000	Averaged
89 2,2,4-Trimethylpentane	5.62401	5.41365	0.010	3.74030	30.00000	Averaged
91 Benzene	1.04745	1.11476	0.010	-6.42624	30.00000	Averaged
93 1,2-Dichloroethane	0.44645	0.52874	0.010	-18.43214	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 10-OCT-2007 08:29
Lab File ID: 7101002.d Init. Cal. Date(s): 03-OCT-2007 04-OCT-2007
Analysis Type: AIR Init. Cal. Times: 11:54 14:38
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd7.i/7-10oct.b/tl4q003b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.32970	0.35395	0.010	-7.35395	30.00000	Averaged
101 Trichloroethene	0.43555	0.47288	0.010	-8.56944	30.00000	Averaged
104 1,2-Dichloropropane	0.38185	0.40766	0.010	-6.75868	30.00000	Averaged
106 1,4-Dioxane	0.25774	0.26324	0.010	-2.13654	30.00000	Averaged
107 Bromodichloromethane	0.65721	0.81607	0.010	-24.17132	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.53180	0.60571	0.010	-13.89803	30.00000	Averaged
111 4-Methyl-2-pentanone	0.30018	0.32736	0.010	-9.05504	30.00000	Averaged
114 Toluene	1.07622	1.15326	0.010	-7.15799	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.70541	0.80900	0.010	-14.68531	30.00000	Averaged
117 1,1,2-Trichloroethane	0.55098	0.57327	0.010	-4.04697	30.00000	Averaged
120 Tetrachloroethene	0.60399	0.71578	0.010	-18.50958	30.00000	Averaged
121 2-Hexanone	0.59724	0.59562	0.010	0.27209	30.00000	Averaged
122 Dibromochloromethane	0.76909	0.97561	0.010	-26.85196	30.00000	Averaged
123 1,2-Dibromoethane	0.83397	0.92705	0.010	-11.16113	30.00000	Averaged
127 Chlorobenzene	1.13355	1.19028	0.010	-5.00457	30.00000	Averaged
128 Ethyl Benzene	0.59162	0.61875	0.010	-4.58618	30.00000	Averaged
129 m,p-Xylene	0.75307	0.77348	0.010	-2.71056	30.00000	Averaged
130 o-Xylene	0.63559	0.65807	0.010	-3.53735	30.00000	Averaged
131 Styrene	1.04333	1.13179	0.010	-8.47826	30.00000	Averaged
133 Bromoform	0.58588	0.82194	0.010	-40.29226	30.00000	Averaged<-
134 Cumene	1.56707	1.66985	0.010	-6.55890	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	0.99207	1.05084	0.010	-5.92379	30.00000	Averaged
142 Propylbenzene	2.09476	2.16260	0.010	-3.23828	30.00000	Averaged
145 4-Ethyltoluene	1.87462	1.94649	0.010	-3.83394	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.36915	1.41191	0.010	-3.12251	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.31536	1.33932	0.010	-1.82224	30.00000	Averaged
155 1,3-Dichlorobenzene	0.90620	0.98967	0.010	-9.21096	30.00000	Averaged
156 1,4-Dichlorobenzene	0.93511	1.00926	0.010	-7.92992	30.00000	Averaged
159 alpha-Chlorotoluene	1.31505	1.44003	0.010	-9.50328	30.00000	Averaged
161 1,2-Dichlorobenzene	0.83210	0.88050	0.010	-5.81600	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.31117	0.27124	0.010	12.83330	30.00000	Averaged
166 Hexachlorobutadiene	0.23704	0.22826	0.010	3.70152	30.00000	Averaged
29 Isopentane	1.92111	1.80380	0.010	6.10647	30.00000	Averaged
19 Butane	0.29274	0.28127	0.010	3.91861	30.00000	Averaged
102 Methyl Cyclohexane	1.92726	1.87685	0.010	2.61614	30.00000	Averaged
167 Naphthalene	0.64586	0.49388	0.010	23.53254	30.00000	Averaged

Report Date: 10-Oct-2007 20:37

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-10oct.b/7101002.d
 Lab Smp Id: CCV-1 Client Smp ID: CCV-1
 Inj Date : 10-OCT-2007 08:29
 Operator : cb Inst ID: msd7.i
 Smp Info : 50mL #1576-21
 Misc Info : 200ppbv --> 50ppbv
 Comment :
 Method : /chem/msd7.i/7-10oct.b/t14q003b.m
 Meth Date : 10-Oct-2007 20:37 cbond Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:38 Cal File: 7100408.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.402	14.402	(1.000)	130	744887	25.0000			80.00- 120.00	100.00
14.402	14.402	(1.000)	128	574077				27.07- 127.07	77.07
14.402	14.402	(1.000)	49	1420309				140.67- 240.67	190.67

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172	(1.000)	114	2396010	25.0000			80.00- 120.00	100.00
16.172	16.172	(1.000)	88	374935				0.00- 65.65	15.65

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370	(1.000)	117	1859190	25.0000			80.00- 120.00	100.00
21.342	21.342	(1.000)	82	1029946				4.37- 104.37	55.40

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508	(1.077)	65	924087	25.0000	26.623		80.00- 120.00	100.00
15.508	15.508	(1.077)	67	517486				5.39- 105.39	56.00

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771	(1.161)	98	2088432	25.0000	25.027		80.00- 120.00	100.00
18.771	18.771	(1.161)	70	234149				0.00- 60.57	11.21

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		

\$ 113 Toluene-d8 (continued)										
18.771	18.771	(1.161)	100	1486495			20.85- 120.85	71.18		

\$ 137 Bromofluorobenzene										
						CAS #:	460-00-4			
23.333	23.333	(1.092)	174	1051429	25.0000	27.518	80.00- 120.00	100.00		
23.333	23.333	(1.092)	95	1382304			81.47- 181.47	131.47		
23.333	23.333	(1.092)	176	1022939			47.29- 147.29	97.29		

11 Propylene										
						CAS #:	115-07-1			
5.638	5.638	(0.391)	41	1581071	50.0000	50.063	80.00- 120.00	100.00		
5.638	5.638	(0.391)	42	1115429			20.61- 120.61	70.55		
5.638	5.638	(0.391)	39	1190230			23.53- 123.53	75.28		

12 Dichlorodifluoromethane/Fr12										
						CAS #:	75-71-8			
5.776	5.776	(0.401)	85	5832816	50.0000	55.174	80.00- 120.00	100.00		
5.776	5.776	(0.401)	87	1880456			0.00- 82.75	32.24		

16 Freon 114										
						CAS #:	76-14-2			
6.218	6.218	(0.432)	135	4042927	50.0000	57.536	80.00- 120.00	100.00		
6.218	6.218	(0.432)	137	1262649			0.00- 81.23	31.23		

18 Chloromethane										
						CAS #:	74-87-3			
6.522	6.522	(0.453)	50	1783879	50.0000	51.650	80.00- 120.00	100.00		
6.522	6.522	(0.453)	52	599649			0.00- 84.99	33.61		

20 Vinyl Chloride										
						CAS #:	75-01-4			
6.882	6.882	(0.478)	62	2433316	50.0000	49.450	80.00- 120.00	100.00		
6.882	6.882	(0.478)	64	762232			0.00- 86.07	31.32		

22 1,3-Butadiene										
						CAS #:	106-99-0			
6.937	6.937	(0.482)	54	1779438	50.0000	47.698	80.00- 120.00	100.00		
6.937	6.937	(0.482)	39	1719802			41.31- 141.31	96.65		

25 Bromomethane										
						CAS #:	74-83-9			
8.043	8.043	(0.558)	94	2078378	50.0000	47.168	80.00- 120.00	100.00		
8.043	8.043	(0.558)	96	1957766			44.20- 144.20	94.20		

27 Chloroethane										
						CAS #:	75-00-3			
8.375	8.375	(0.581)	64	1179508	50.0000	48.703	80.00- 120.00	100.00		
8.375	8.375	(0.581)	49	296497			0.00- 73.75	25.14		
8.375	8.375	(0.581)	66	377186			0.00- 84.49	31.98		

31 Trichlorofluoromethane/Fr11										
						CAS #:	75-69-4			
8.955	8.955	(0.622)	101	5579112	50.0000	53.484	80.00- 120.00	100.00		
8.955	8.955	(0.622)	103	3618779			14.86- 114.86	64.86		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.453	9.453	(0.656)	45	772559	50.0000	45.656	80.00- 120.00	100.00	
9.453	9.453	(0.656)	43	148329			0.00- 68.72	19.20	
9.453	9.453	(0.656)	46	298198			0.00- 87.77	38.60	

42 Freon 113						CAS #: 76-13-1			
10.200	10.200	(0.708)	151	3248902	50.0000	52.322	80.00- 120.00	100.00	
10.200	10.200	(0.708)	153	2081776			14.08- 114.08	64.08	
10.200	10.200	(0.708)	101	4013003			73.52- 173.52	123.52	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.338	10.338	(0.718)	61	3401660	50.0000	49.059	80.00- 120.00	100.00	
10.338	10.338	(0.718)	96	2190723			14.40- 114.40	64.40	
10.338	10.338	(0.718)	98	1399293			0.00- 91.14	41.14	

45 Acetone						CAS #: 67-64-1			
10.504	10.504	(0.729)	58	1056014	50.0000	42.812	80.00- 120.00	100.00	
10.504	10.504	(0.729)	43	3096165			213.19- 313.19	293.19	

46 2-Propanol						CAS #: 67-63-0			
10.697	10.697	(0.743)	45	3727636	50.0000	45.434	80.00- 120.00	100.00	
10.697	10.697	(0.743)	43	904415			0.00- 93.27	24.26	
10.697	10.697	(0.743)	59	147574			0.00- 54.21	3.96	

47 Carbon Disulfide						CAS #: 75-15-0			
10.891	10.891	(0.756)	76	6810131	50.0000	45.797	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
11.167	11.167	(0.775)	76	1146775	50.0000	41.680	80.00- 120.00	100.00	
11.167	11.167	(0.775)	41	2880813			181.03- 281.03	251.21	

54 Methylene Chloride						CAS #: 75-09-2			
11.472	11.472	(0.796)	49	2406147	50.0000	46.658	80.00- 120.00	100.00	
11.472	11.472	(0.796)	84	1877199			28.02- 128.02	78.02	
11.472	11.472	(0.796)	51	734333			0.00- 83.61	30.52	

60 MTBE						CAS #: 1634-04-4			
11.831	11.831	(0.821)	73	4315511	50.0000	44.584	80.00- 120.00	100.00	
11.831	11.831	(0.821)	57	973232			0.00- 72.55	22.55	
11.831	11.831	(0.821)	41	930448			0.00- 72.07	21.56	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.942	11.942	(0.829)	96	2510890	50.0000	45.750	80.00- 120.00	100.00	
11.942	11.942	(0.829)	61	3474584			88.38- 188.38	138.38	
11.942	11.942	(0.829)	98	1604868			12.13- 112.13	63.92	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3			
12.329	12.329	(0.856)	57	3529168	50.0000	43.748	80.00- 120.00	100.00	
12.301	12.301	(0.854)	43	2267896			10.63- 110.63	64.26	
12.329	12.329	(0.856)	86	556960			0.00- 65.99	15.78	

69 Vinyl Acetate						CAS #: 108-05-4			
12.799	12.799	(0.889)	86	549591	50.0000	43.578	80.00- 120.00	100.00	
12.799	12.799	(0.889)	43	6065800			961.24-1061.24	1103.69	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.826	12.826	(0.891)	63	4164752	50.0000	47.164	80.00- 120.00	100.00	
12.826	12.826	(0.891)	65	1314935			0.00- 81.57	31.57	

75 2-Butanone						CAS #: 78-93-3			
13.905	13.905	(0.965)	72	988027	50.0000	46.773	80.00- 120.00	100.00	
13.905	13.905	(0.965)	43	4186584			373.73- 473.73	423.73	
13.905	13.905	(0.965)	57	322914			0.00- 83.11	32.68	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.932	13.932	(0.967)	61	2872336	50.0000	50.009	80.00- 120.00	100.00	
13.932	13.932	(0.967)	96	2204723			26.76- 126.76	76.76	
13.932	13.932	(0.967)	98	1402607			0.00- 98.83	48.83	

80 Tetrahydrofuran						CAS #: 109-99-9			
14.402	14.402	(1.000)	42	2341748	50.0000	50.594	80.00- 120.00	100.00	
14.402	14.402	(1.000)	71	883741			0.00- 87.74	37.74	
14.402	14.402	(1.000)	72	952551			0.00- 92.10	40.68	

82 Chloroform						CAS #: 67-66-3			
14.485	14.485	(1.006)	83	4015531	50.0000	53.568	80.00- 120.00	100.00	
14.485	14.485	(1.006)	85	2623325			15.33- 115.33	65.33	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.845	14.845	(1.031)	97	3745570	50.0000	55.592	80.00- 120.00	100.00	
14.845	14.845	(1.031)	99	2411295			14.38- 114.38	64.38	

85 Cyclohexane						CAS #: 110-82-7			
14.845	14.845	(1.031)	84	2383460	50.0000	47.830	80.00- 120.00	100.00	
14.845	14.845	(1.031)	56	2949587			73.75- 173.75	123.75	
14.845	14.845	(1.031)	41	1634341			18.57- 118.57	68.57	

87 Carbon Tetrachloride						CAS #: 56-23-5			
15.094	15.094	(1.048)	119	3488289	50.0000	59.812	80.00- 120.00	100.00	
15.094	15.094	(1.048)	117	3611203			53.52- 153.52	103.52	

89 2,2,4-Trimethylpentane						CAS #: 540-84-1			
15.425	15.425	(1.071)	57	8065122	50.0000	48.130	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
89 2,2,4-Trimethylpentane (continued)									
15.425	15.425	(1.071)	56	2732072			0.00- 84.63	33.88	
15.425	15.425	(1.071)	41	2102417			0.00- 74.25	26.07	

91 Benzene CAS #: 71-43-2									
15.536	15.536	(0.961)	78	5341951	50.0000	53.213	80.00- 120.00	100.00	
15.536	15.536	(0.961)	77	1168453			0.00- 73.41	21.87	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	2533741	50.0000	59.216	80.00- 120.00	100.00	
15.647	15.647	(0.968)	64	822853			0.00- 82.78	32.48	

94 Heptane CAS #: 142-82-5									
15.730	15.730	(0.973)	71	1696124	50.0000	53.677	80.00- 120.00	100.00	
15.730	15.730	(0.973)	43	3203515			136.07- 236.07	188.87	
15.730	15.730	(0.973)	57	1694682			52.56- 152.56	99.91	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	2266048	50.0000	54.285	80.00- 120.00	100.00	
16.642	16.642	(1.029)	130	2249180			49.26- 149.26	99.26	
16.642	16.642	(1.029)	97	1464717			14.64- 114.64	64.64	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	1953503	50.0000	53.379	80.00- 120.00	100.00	
17.140	17.140	(1.060)	62	1434468			23.43- 123.43	73.43	
17.140	17.140	(1.060)	41	1171999			9.99- 109.99	59.99	

106 1,4-Dioxane CAS #: 123-91-1									
17.250	17.250	(1.067)	88	1261461	50.0000	51.068	80.00- 120.00	100.00	
17.250	17.250	(1.067)	58	871623			19.10- 119.10	69.10	
17.250	17.250	(1.067)	57	285263			0.00- 71.64	22.61	

107 Bromodichloromethane CAS #: 75-27-4									
17.554	17.554	(1.085)	83	3910611	50.0000	62.086	80.00- 120.00	100.00	
17.554	17.554	(1.085)	85	2509240			14.16- 114.16	64.16	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.329	18.329	(1.133)	75	2902563	50.0000	56.949	80.00- 120.00	100.00	
18.329	18.329	(1.133)	77	939639			0.00- 82.37	32.37	
18.329	18.329	(1.133)	39	1594483			4.93- 104.93	54.93	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	1568715	50.0000	54.528	80.00- 120.00	100.00	
18.522	18.522	(1.145)	43	4042493			191.34- 291.34	257.69	
18.522	18.522	(1.145)	85	622823			0.00- 90.12	39.70	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
114 Toluene						CAS #: 108-88-3			
18.882	18.882	(1.168)	91	5526442	50.0000	53.579	80.00- 120.00	100.00	
18.882	18.882	(1.168)	92	3513951			13.58- 113.58	63.58	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
19.324	19.324	(0.904)	75	3008183	50.0000	57.343	80.00- 120.00	100.00	
19.324	19.324	(0.904)	77	955447			0.00- 81.76	31.76	
19.324	19.324	(0.904)	39	1553363			1.64- 101.64	51.64	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.656	19.656	(0.920)	97	2131649	50.0000	52.023	80.00- 120.00	100.00	
19.656	19.656	(0.920)	99	1344050			13.05- 113.05	63.05	
19.656	19.656	(0.920)	83	1820068			35.38- 135.38	85.38	

120 Tetrachloroethene						CAS #: 127-18-4			
19.822	19.822	(0.928)	166	2661552	50.0000	59.255	80.00- 120.00	100.00	
19.822	19.822	(0.928)	129	1907806			21.68- 121.68	71.68	
19.822	19.822	(0.928)	131	1856801			19.76- 119.76	69.76	

121 2-Hexanone						CAS #: 591-78-6			
19.960	19.960	(0.934)	58	2214723	50.0000	49.864	80.00- 120.00	100.00	
19.960	19.960	(0.934)	43	4074915			133.99- 233.99	183.99	
19.960	19.960	(0.934)	100	382857			0.00- 67.82	17.29	

122 Dibromochloromethane						CAS #: 124-48-1			
20.347	20.347	(0.952)	129	3627675	50.0000	63.426	80.00- 120.00	100.00	
20.347	20.347	(0.952)	127	2793387			27.17- 127.17	77.00	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.623	20.623	(0.965)	107	3447110	50.0000	55.580	80.00- 120.00	100.00	
20.623	20.623	(0.965)	109	3302411			45.80- 145.80	95.80	

127 Chlorobenzene						CAS #: 108-90-7			
21.398	21.398	(1.001)	112	4425905	50.0000	52.502	80.00- 120.00	100.00	
21.398	21.398	(1.001)	114	1414611			0.00- 81.96	31.96	
21.398	21.398	(1.001)	77	2689278			10.76- 110.76	60.76	

128 Ethyl Benzene						CAS #: 100-41-4			
21.481	21.481	(1.005)	106	2300739	50.0000	52.293	80.00- 120.00	100.00	
21.481	21.481	(1.005)	91	7090892			256.06- 356.06	308.20	

129 m,p-Xylene						CAS #: 108-38-3			
21.702	21.702	(1.016)	106	2876110	50.0000	51.355	80.00- 120.00	100.00	
21.674	21.674	(1.014)	91	5548591			136.94- 236.94	192.92	

130 o-Xylene						CAS #: 95-47-6			
22.393	22.393	(1.048)	106	2446960	50.0000	51.769	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	4983669			153.67- 253.67	203.67	

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	4208428	50.0000	54.239	80.00- 120.00	100.00	
22.421	22.421	(1.049)	78	2105483			0.03- 100.03	50.03	

133 Bromoform CAS #: 75-25-2									
22.835	22.835	(1.069)	173	3056281	50.0000	70.146	80.00- 120.00	100.00	
22.835	22.835	(1.069)	171	1580370			1.71- 101.71	51.71	

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	6209132	50.0000	53.279	80.00- 120.00	100.00	
22.974	22.974	(1.075)	120	1727722			0.00- 79.63	27.83	
22.946	22.946	(1.074)	51	635358			0.00- 61.53	10.23	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	3907404	50.0000	52.962	80.00- 120.00	100.00	
23.527	23.527	(1.101)	85	2524855			14.62- 114.62	64.62	

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	8041362	50.0000	51.619	80.00- 120.00	100.00	
23.637	23.637	(1.106)	120	1833949			0.00- 73.30	22.81	
23.637	23.637	(1.106)	105	298721			0.00- 53.98	3.71	

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	7237788	50.0000	51.917	80.00- 120.00	100.00	
23.831	23.831	(1.115)	120	2386066			0.00- 82.97	32.97	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	5250005	50.0000	51.561	80.00- 120.00	100.00	
23.914	23.914	(1.119)	120	2757044			3.49- 103.49	52.52	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	4980118	50.0000	50.911	80.00- 120.00	100.00	
24.550	24.550	(1.149)	120	2469031			0.00- 98.61	49.58	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	3679962	50.0000	54.605	80.00- 120.00	100.00	
25.130	25.130	(1.176)	148	2342398			12.94- 112.94	63.65	
25.130	25.130	(1.176)	111	1446322			0.00- 90.50	39.30	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	3752825	50.0000	53.965	80.00- 120.00	100.00	
25.269	25.269	(1.182)	148	2404728			13.07- 113.07	64.08	
25.269	25.269	(1.182)	111	1401365			0.00- 88.75	37.34	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
25.490	25.490	(1.193)	91	5354568	50.0000	54.752	80.00- 120.00	100.00	
25.490	25.490	(1.193)	126	1127386			0.00- 71.09	21.05	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.932	25.932	(1.213)	146	3274018	50.0000	52.908	80.00- 120.00	100.00	
25.932	25.932	(1.213)	148	2069071			13.20- 113.20	63.20	
25.905	25.905	(1.212)	111	1320763			0.00- 90.34	40.34	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.808	28.808	(1.348)	180	1008555	50.0000	43.583	80.00- 120.00	100.00	
28.808	28.808	(1.348)	182	968964			46.07- 146.07	96.07	

166	Hexachlorobutadiene					CAS #: 87-68-3			
29.001	29.001	(1.357)	225	848766	50.0000	48.149	80.00- 120.00	100.00	
29.001	29.001	(1.357)	223	533685			13.74- 113.74	62.88	

29	Isopentane					CAS #: 78-78-4			
8.375	8.375	(0.581)	43	2687254	50.0000	46.947	80.00- 120.00	100.00	
8.375	8.375	(0.581)	57	1827941			22.21- 122.21	68.02	

19	Butane					CAS #: 106-97-8			
6.771	6.771	(0.470)	58	419030	50.0000	48.041	80.00- 120.00	100.00	
6.771	6.771	(0.470)	43	3255904			713.56- 813.56	777.01	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.918	16.918	(1.175)	83	2796075	50.0000	48.692	80.00- 120.00	100.00	
16.918	16.918	(1.175)	98	1292923			0.00- 97.05	46.24	
16.918	16.918	(1.175)	55	2384052			36.33- 136.33	85.26	

167	Naphthalene					CAS #: 91-20-3			
29.388	29.388	(1.375)	128	1836416	50.0000	38.234	80.00- 120.00	100.00	
29.388	29.388	(1.375)	127	211107			0.00- 61.83	11.50	

Report Date: 10-Oct-2007 20:37

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 10-OCT-2007

Lab File ID: 7101002.d

Calibration Time: 11:15

Lab Smp Id: CCV-1

Client Smp ID: CCV-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msd7.i/7-10oct.b/t14q003b.m

Misc Info: 200ppbv --> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	727089	436253	1017925	744887	2.45
97 1,4-Difluorobenze	2340789	1404473	3277105	2396010	2.36
126 Chlorobenzene-d5	1767569	1060541	2474597	1859190	5.18

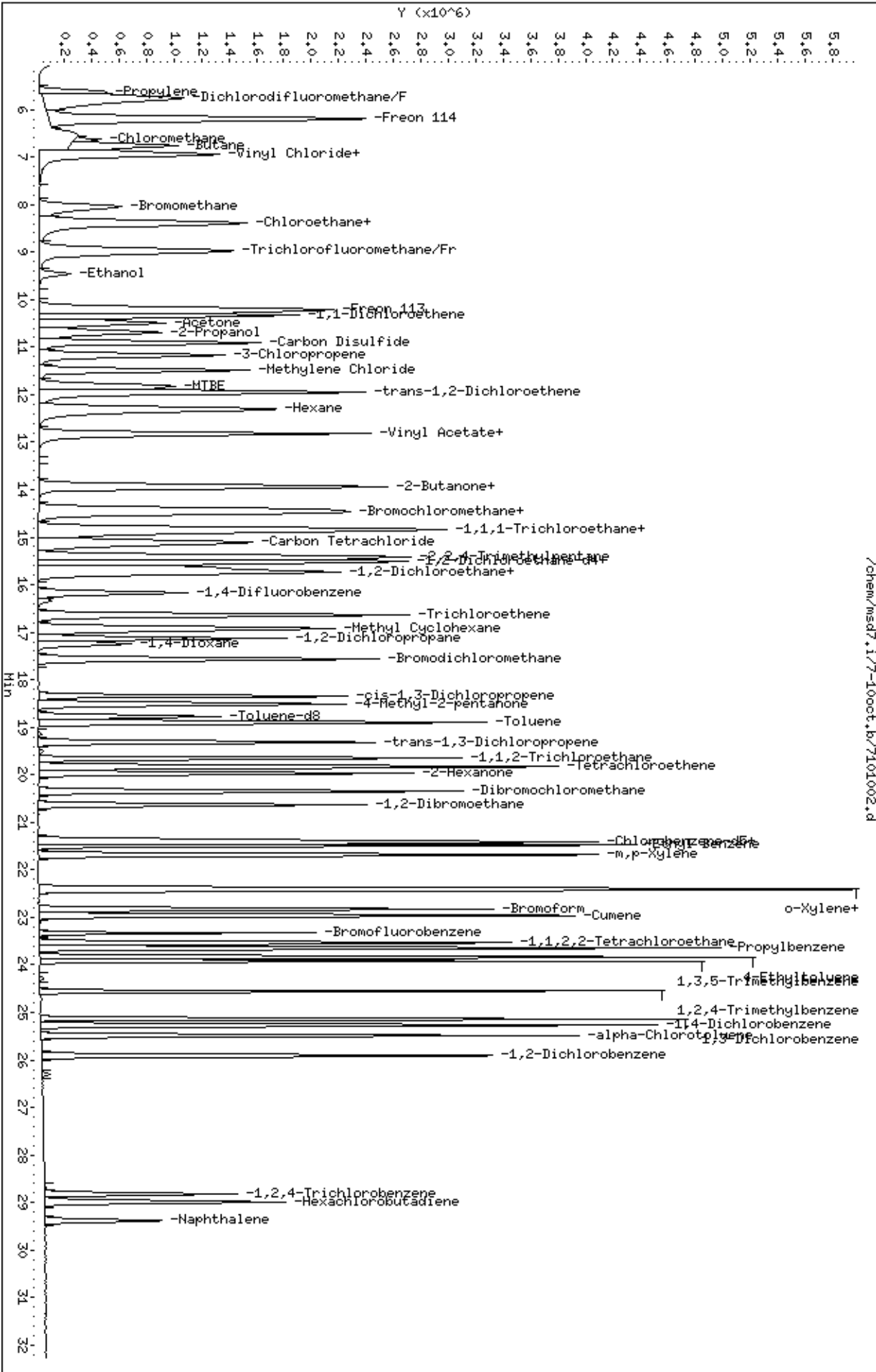
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.40	14.07	14.73	14.40	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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.





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709637-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 09:20 AM

Compound	%Recovery
Freon 12	110
Freon 114	108
Vinyl Chloride	104
Bromomethane	93
Chloroethane	98
Freon 11	118
1,1-Dichloroethene	131 Q
Freon 113	107
Methylene Chloride	110
1,1-Dichloroethane	117
cis-1,2-Dichloroethene	113
Chloroform	118
1,1,1-Trichloroethane	114
Carbon Tetrachloride	111
Benzene	119
1,2-Dichloroethane	138 Q
Trichloroethene	114
1,2-Dichloropropane	120
cis-1,3-Dichloropropene	119
Toluene	114
trans-1,3-Dichloropropene	126
1,1,2-Trichloroethane	110
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	110
Chlorobenzene	107
Ethyl Benzene	109
m,p-Xylene	110
o-Xylene	109
Styrene	108
1,1,2,2-Tetrachloroethane	119
1,3,5-Trimethylbenzene	111
1,2,4-Trimethylbenzene	112
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	111
alpha-Chlorotoluene	124
1,2-Dichlorobenzene	111
1,3-Butadiene	112
Hexane	101
Cyclohexane	98



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709637-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t101003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 09:20 AM

Compound	%Recovery
Heptane	115
Bromodichloromethane	128
Dibromochloromethane	122
Cumene	115
Propylbenzene	117
Chloromethane	103
1,2,4-Trichlorobenzene	91
Hexachlorobutadiene	81
Acetone	98
Carbon Disulfide	96
2-Propanol	105
trans-1,2-Dichloroethene	90
2-Butanone (Methyl Ethyl Ketone)	98
Tetrahydrofuran	110
1,4-Dioxane	111
4-Methyl-2-pentanone	119
2-Hexanone	115
Bromoform	124
4-Ethyltoluene	115
Ethanol	108
Methyl tert-butyl ether	102
3-Chloropropene	100
2,2,4-Trimethylpentane	107
Naphthalene	86

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 10Oct2007
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Level: LOW Operator: cb
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926Spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m
 Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	55.222	110.44	70-130
16 Freon 114	50.000	54.060	108.12	70-130
18 Chloromethane	50.000	51.399	102.80	70-130
20 Vinyl Chloride	50.000	52.112	104.22	70-130
22 1,3-Butadiene	50.000	55.893	111.79	60-140
25 Bromomethane	50.000	46.668	93.34	70-130
27 Chloroethane	50.000	49.009	98.02	70-130
31 Trichlorofluoromet	50.000	59.088	118.18	70-130
38 Ethanol	50.000	53.774	107.55	60-140
42 Freon 113	50.000	53.379	106.76	70-130
43 1,1-Dichloroethene	50.000	65.455	130.91*	70-130
45 Acetone	50.000	49.043	98.09	60-140
47 Carbon Disulfide	50.000	48.236	96.47	60-140
46 2-Propanol	50.000	52.315	104.63	60-140
54 Methylene Chloride	50.000	55.280	110.56	70-130
60 MTBE	50.000	50.838	101.68	60-140
61 trans-1,2-Dichloro	50.000	45.282	90.56	60-140
65 Hexane	50.000	50.527	101.05	60-140
70 1,1-Dichloroethane	50.000	58.619	117.24	70-130
76 cis-1,2-Dichloroet	50.000	56.402	112.80	70-130
75 2-Butanone	50.000	48.796	97.59	60-140
80 Tetrahydrofuran	50.000	55.201	110.40	60-140
82 Chloroform	50.000	59.070	118.14	70-130
85 Cyclohexane	50.000	48.845	97.69	60-140
83 1,1,1-Trichloroeth	50.000	57.268	114.54	70-130
87 Carbon Tetrachlori	50.000	55.582	111.16	70-130
91 Benzene	50.000	59.726	119.45	70-130
93 1,2-Dichloroethane	50.000	68.999	138.00*	70-130
94 Heptane	50.000	57.630	115.26	60-140
101 Trichloroethene	50.000	56.919	113.84	70-130
104 1,2-Dichloropropan	50.000	59.956	119.91	70-130
106 1,4-Dioxane	50.000	55.333	110.67	60-140
107 Bromodichlorometha	50.000	63.841	127.68	60-140

Report Date: 10-Oct-2007 10:05

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	59.458	118.92	70-130
111 4-Methyl-2-pentano	50.000	59.746	119.49	60-140
114 Toluene	50.000	57.094	114.19	70-130
116 trans-1,3-Dichloro	50.000	63.085	126.17	70-130
117 1,1,2-Trichloroeth	50.000	55.254	110.51	70-130
120 Tetrachloroethene	50.000	53.430	106.86	70-130
121 2-Hexanone	50.000	57.447	114.89	60-140
122 Dibromochlorometha	50.000	61.012	122.02	60-140
123 1,2-Dibromoethane	50.000	54.861	109.72	70-130
127 Chlorobenzene	50.000	53.695	107.39	70-130
128 Ethyl Benzene	50.000	54.465	108.93	70-130
129 m,p-Xylene	50.000	54.960	109.92	70-130
130 o-Xylene	50.000	54.458	108.92	70-130
131 Styrene	50.000	53.809	107.62	70-130
133 Bromoform	50.000	61.773	123.55	60-140
140 1,1,2,2-Tetrachlor	50.000	59.376	118.75	70-130
145 4-Ethyltoluene	50.000	57.530	115.06	60-140
147 1,3,5-Trimethylben	50.000	55.485	110.97	70-130
150 1,2,4-Trimethylben	50.000	55.768	111.54	70-130
155 1,3-Dichlorobenzen	50.000	56.978	113.96	70-130
156 1,4-Dichlorobenzen	50.000	55.300	110.60	70-130
159 alpha-Chlorotoluen	50.000	61.988	123.98	70-130
161 1,2-Dichlorobenzen	50.000	55.421	110.84	70-130
165 1,2,4-Trichloroben	50.000	45.686	91.37	70-130
166 Hexachlorobutadien	50.000	40.714	81.43	70-130
142 Propylbenzene	50.000	58.475	116.95	60-140
134 Cumene	50.000	57.678	115.36	60-140
51 3-Chloropropene	50.000	50.024	100.05	60-140
89 2,2,4-Trimethylpen	50.000	53.502	107.01	60-140
19 Butane	50.000	55.727	111.45	70-130
29 Isopentane	50.000	52.533	105.07	70-130
102 Methyl Cyclohexane	50.000	52.536	105.07	70-130
11 Propylene	50.000	50.146	100.29	60-140
167 Naphthalene	50.000	42.786	85.57	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	28.438	113.75	70-130
\$ 113 Toluene-d8	25.000	26.159	104.64	70-130
\$ 137 Bromofluorobenzene	25.000	26.764	107.06	70-130

Report Date: 10-Oct-2007 10:05

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/10Oct2007.b/t101003.d
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Inj Date : 10-OCT-2007 09:20
 Operator : cb Inst ID: msdt.i
 Smp Info : 50mL #1443-347
 Misc Info : 200ppbv --> 50ppbv
 Comment :
 Method : /chem/msdt.i/10Oct2007.b/t14q005a.m
 Meth Date : 10-Oct-2007 08:58 cbond Quant Type: ISTD
 Cal Date : 05-OCT-2007 19:30 Cal File: t100511.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
13.886	13.886	(1.000)	130	232065	25.0000		80.00- 120.00	100.00	
13.886	13.886	(1.000)	128	176024			28.17- 128.17	75.85	
13.886	13.886	(1.000)	49	851533			329.87- 429.87	366.94	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.628	15.628	(1.000)	114	887907	25.0000		80.00- 120.00	100.00	
15.628	15.628	(1.000)	88	167617			0.00- 68.61	18.88	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
20.798	20.798	(1.000)	117	786493	25.0000		80.00- 120.00	100.00	
20.798	20.798	(1.000)	82	543063			11.55- 111.55	69.05	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
14.964	14.964	(1.078)	65	504883	28.4378	28.438	80.00- 120.00	100.00	
14.964	14.964	(1.078)	67	271934			3.71- 103.71	53.86	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.227	18.227	(1.166)	98	909536	26.1590	26.159	80.00- 120.00	100.00	
18.227	18.227	(1.166)	70	131998			0.00- 62.83	14.51	

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
== =====

\$ 113 Toluene-d8 (continued)

18.227 18.227 (1.166) 100 636695 22.56- 122.56 70.00

\$ 137 Bromofluorobenzene CAS #: 460-00-4

22.789 22.789 (1.096) 174 407155 26.7645 26.764 80.00- 120.00 100.00

22.789 22.789 (1.096) 95 664215 120.73- 220.73 163.14

22.789 22.789 (1.096) 176 383912 49.66- 149.66 94.29

11 Propylene CAS #: 115-07-1

5.840 5.840 (0.421) 41 829239 50.1463 50.146 80.00- 120.00 100.00

5.840 5.840 (0.421) 42 606968 18.28- 118.28 73.20

5.840 5.840 (0.421) 39 646518 23.47- 123.47 77.97

12 Dichlorodifluoromethane/Fr12 CAS #: 75-71-8

5.978 5.950 (0.430) 85 2411185 55.2216 55.222 80.00- 120.00 100.00

5.978 5.950 (0.430) 87 783608 0.00- 82.09 32.50

16 Freon 114 CAS #: 76-14-2

6.337 6.310 (0.456) 135 2229121 54.0598 54.060 80.00- 120.00 100.00

6.337 6.310 (0.456) 137 694067 0.00- 84.11 31.14

18 Chloromethane CAS #: 74-87-3

6.559 6.559 (0.472) 50 921816 51.3995 51.399 80.00- 120.00 100.00

6.559 6.559 (0.472) 52 292240 0.00- 83.72 31.70

20 Vinyl Chloride CAS #: 75-01-4

6.918 6.918 (0.498) 62 1132307 52.1124 52.112 80.00- 120.00 100.00

6.918 6.918 (0.498) 64 356613 0.00- 88.78 31.49

22 1,3-Butadiene CAS #: 106-99-0

7.001 7.001 (0.504) 54 1560881 55.8929 55.893 80.00- 120.00 100.00

7.001 7.001 (0.504) 39 1549633 47.92- 147.92 99.28

25 Bromomethane CAS #: 74-83-9

7.969 7.941 (0.574) 94 759798 46.6684 46.668 80.00- 120.00 100.00

7.969 7.941 (0.574) 96 712450 39.84- 139.84 93.77

27 Chloroethane CAS #: 75-00-3

8.218 8.218 (0.592) 64 559755 49.0087 49.009 80.00- 120.00 100.00

8.218 8.218 (0.592) 49 178171 0.00- 79.32 31.83

8.218 8.218 (0.592) 66 158968 0.00- 83.65 28.40

31 Trichlorofluoromethane/Fr11 CAS #: 75-69-4

8.798 8.798 (0.634) 101 4023763 59.0875 59.088 80.00- 120.00 100.00

8.798 8.798 (0.634) 103 2572532 14.56- 114.56 63.93

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====		=====	
38 Ethanol					CAS #: 64-17-5				
9.268	9.268 (0.667)	45	634526	53.7740	53.774	80.00-	120.00	100.00	
9.268	9.268 (0.667)	43	144356			0.00-	75.47	22.75	
9.268	9.268 (0.667)	46	234398			0.00-	89.98	36.94	

42 Freon 113					CAS #: 76-13-1				
9.959	9.959 (0.717)	151	2663512	53.3786	53.379	80.00-	120.00	100.00	
9.959	9.959 (0.717)	153	1693725			12.21-	112.21	63.59	
9.959	9.959 (0.717)	101	4004304			98.61-	198.61	150.34	

43 1,1-Dichloroethene					CAS #: 75-35-4				
10.070	10.070 (0.725)	61	2388973	65.4547	65.455	80.00-	120.00	100.00(R)	
10.070	10.070 (0.725)	96	969665			0.00-	90.24	40.59	
10.070	10.070 (0.725)	98	615263			0.00-	75.49	25.75	

45 Acetone					CAS #: 67-64-1				
10.208	10.208 (0.735)	58	668631	49.0432	49.043	80.00-	120.00	100.00	
10.208	10.208 (0.735)	43	2435586			257.67-	357.67	364.26	

46 2-Propanol					CAS #: 67-63-0				
10.402	10.402 (0.749)	45	3033766	52.3153	52.315	80.00-	120.00	100.00	
10.402	10.402 (0.749)	43	710403			0.00-	72.34	23.42	
10.402	10.402 (0.749)	59	100152			0.00-	54.25	3.30	

47 Carbon Disulfide					CAS #: 75-15-0				
10.568	10.568 (0.761)	76	2616445	48.2360	48.236	80.00-	120.00	100.00	

51 3-Chloropropene					CAS #: 107-05-1				
10.844	10.844 (0.781)	76	484071	50.0240	50.024	80.00-	120.00	100.00	
10.844	10.844 (0.781)	41	1851833			318.47-	418.47	382.55	

54 Methylene Chloride					CAS #: 75-09-2				
11.121	11.121 (0.801)	49	1630076	55.2805	55.280	80.00-	120.00	100.00	
11.121	11.121 (0.801)	84	796648			0.00-	99.58	48.87	
11.121	11.121 (0.801)	51	491364			0.00-	84.40	30.14	

60 MTBE					CAS #: 1634-04-4				
11.480	11.480 (0.827)	73	2604254	50.8383	50.838	80.00-	120.00	100.00	
11.480	11.480 (0.827)	57	745981			0.00-	77.57	28.64	
11.480	11.453 (0.827)	41	826668			0.00-	84.80	31.74	

61 trans-1,2-Dichloroethene					CAS #: 156-60-5				
11.563	11.563 (0.833)	96	930685	45.2823	45.282	80.00-	120.00	100.00	
11.563	11.563 (0.833)	61	1964416			161.28-	261.28	211.07	
11.563	11.563 (0.833)	98	573803			10.75-	110.75	61.65	

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
65 Hexane						CAS #: 110-54-3				
11.923	11.923	(0.859)	57	2659914	50.5267	50.527	80.00- 120.00	100.00		
11.923	11.923	(0.859)	43	1796376			15.98- 115.98	67.54		
11.923	11.923	(0.859)	86	284642			0.00- 62.69	10.70		

69 Vinyl Acetate						CAS #: 108-05-4				
12.393	12.393	(0.892)	86	227747	43.8437	43.844	80.00- 120.00	100.00		
12.393	12.365	(0.892)	43	3736364			1361.23-1461.23	1640.58		

70 1,1-Dichloroethane						CAS #: 75-34-3				
12.393	12.393	(0.892)	63	2565553	58.6188	58.619	80.00- 120.00	100.00		
12.393	12.393	(0.892)	65	782555			0.00- 80.55	30.50		

75 2-Butanone						CAS #: 78-93-3				
13.416	13.416	(0.966)	72	488990	48.7956	48.796	80.00- 120.00	100.00		
13.416	13.416	(0.966)	43	2736442			502.93- 602.93	559.61		
13.416	13.416	(0.966)	57	205419			0.00- 92.45	42.01		

76 cis-1,2-Dichloroethene						CAS #: 156-59-2				
13.443	13.443	(0.968)	61	1648613	56.4023	56.402	80.00- 120.00	100.00		
13.443	13.443	(0.968)	96	840678			0.72- 100.72	50.99		
13.443	13.443	(0.968)	98	540785			0.00- 81.77	32.80		

80 Tetrahydrofuran						CAS #: 109-99-9				
13.886	13.886	(1.000)	42	1457142	55.2015	55.201	80.00- 120.00	100.00		
13.886	13.886	(1.000)	71	426830			0.00- 78.84	29.29		
13.886	13.886	(1.000)	72	462446			0.00- 85.37	31.74		

82 Chloroform						CAS #: 67-66-3				
13.969	13.969	(1.006)	83	1960823	59.0702	59.070	80.00- 120.00	100.00		
13.969	13.969	(1.006)	85	1248106			14.05- 114.05	63.65		

83 1,1,1-Trichloroethane						CAS #: 71-55-6				
14.300	14.300	(1.030)	97	2163187	57.2682	57.268	80.00- 120.00	100.00		
14.300	14.300	(1.030)	99	1351642			13.88- 113.88	62.48		

85 Cyclohexane						CAS #: 110-82-7				
14.300	14.300	(1.030)	84	1313227	48.8447	48.845	80.00- 120.00	100.00		
14.300	14.300	(1.030)	56	2230334			116.01- 216.01	169.84		
14.300	14.300	(1.030)	41	1314611			47.16- 147.16	100.11		

87 Carbon Tetrachloride						CAS #: 56-23-5				
14.549	14.549	(1.048)	119	1750079	55.5816	55.582	80.00- 120.00	100.00		
14.549	14.549	(1.048)	117	1841833			55.09- 155.09	105.24		

89 2,2,4-Trimethylpentane						CAS #: 540-84-1				
14.881	14.881	(1.072)	57	5976308	53.5026	53.502	80.00- 120.00	100.00		

CONCENTRATIONS

RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
89 2,2,4-Trimethylpentane (continued)								
14.881	14.881	(1.072)	56	2034642			0.00- 82.88	34.05
14.881	14.881	(1.072)	41	1676611			0.00- 79.52	28.05

91 Benzene CAS #: 71-43-2								
14.964	14.964	(0.958)	78	2638176	59.7262	59.726	80.00- 120.00	100.00
14.992	14.964	(0.959)	77	574697			0.00- 74.31	21.78

93 1,2-Dichloroethane CAS #: 107-06-2								
15.102	15.102	(0.966)	62	1620272	68.9995	68.999	80.00- 120.00	100.00(R)
15.102	15.102	(0.966)	64	498128			0.00- 82.31	30.74

94 Heptane CAS #: 142-82-5								
15.213	15.185	(0.973)	71	961752	57.6296	57.630	80.00- 120.00	100.00
15.185	15.185	(0.972)	43	2278931			178.63- 278.63	236.96
15.185	15.185	(0.972)	57	1151915			61.28- 161.28	119.77

101 Trichloroethene CAS #: 79-01-6								
16.098	16.098	(1.030)	95	992599	56.9187	56.919	80.00- 120.00	100.00
16.098	16.098	(1.030)	130	817371			34.71- 134.71	82.35
16.098	16.098	(1.030)	97	621454			14.86- 114.86	62.61

104 1,2-Dichloropropane CAS #: 78-87-5								
16.568	16.568	(1.060)	63	1177714	59.9565	59.956	80.00- 120.00	100.00
16.568	16.568	(1.060)	62	882082			24.23- 124.23	74.90
16.568	16.568	(1.060)	41	840985			20.42- 120.42	71.41

106 1,4-Dioxane CAS #: 123-91-1								
16.706	16.706	(1.069)	88	596393	55.3328	55.333	80.00- 120.00	100.00
16.706	16.706	(1.069)	58	565803			43.70- 143.70	94.87
16.706	16.706	(1.069)	57	192234			0.00- 80.68	32.23

107 Bromodichloromethane CAS #: 75-27-4								
17.010	17.010	(1.088)	83	1886730	63.8408	63.841	80.00- 120.00	100.00
17.010	17.010	(1.088)	85	1208968			12.38- 112.38	64.08

110 cis-1,3-Dichloropropene CAS #: 10061-01-5								
17.784	17.784	(1.138)	75	1458408	59.4583	59.458	80.00- 120.00	100.00
17.784	17.784	(1.138)	77	461931			0.00- 80.92	31.67
17.784	17.784	(1.138)	39	1085735			23.49- 123.49	74.45

111 4-Methyl-2-pentanone CAS #: 108-10-1								
17.978	17.978	(1.150)	58	1054709	59.7466	59.746	80.00- 120.00	100.00
17.978	17.978	(1.150)	43	2961065			211.99- 311.99	280.75
17.978	17.978	(1.150)	85	335073			0.00- 83.31	31.77

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

114	Toluene					CAS #: 108-88-3			
18.337	18.337	(1.173)	91	2744105	57.0942	57.094	80.00- 120.00	100.00	
18.337	18.337	(1.173)	92	1719740			13.58- 113.58	62.67	

116	trans-1,3-Dichloropropene					CAS #: 10061-02-6			
18.780	18.780	(0.903)	75	1604783	63.0851	63.085	80.00- 120.00	100.00	
18.780	18.780	(0.903)	77	510124			0.00- 81.22	31.79	
18.780	18.780	(0.903)	39	1117293			19.73- 119.73	69.62	

117	1,1,2-Trichloroethane					CAS #: 79-00-5			
19.111	19.111	(0.919)	97	978282	55.2543	55.254	80.00- 120.00	100.00	
19.111	19.111	(0.919)	99	612260			9.77- 109.77	62.59	
19.111	19.111	(0.919)	83	939584			42.05- 142.05	96.04	

120	Tetrachloroethene					CAS #: 127-18-4			
19.277	19.277	(0.927)	166	1050327	53.4297	53.430	80.00- 120.00	100.00	
19.277	19.277	(0.927)	129	836744			28.05- 128.05	79.67	
19.277	19.277	(0.927)	131	869327			30.41- 130.41	82.77	

121	2-Hexanone					CAS #: 591-78-6			
19.443	19.443	(0.935)	58	1427922	57.4474	57.447	80.00- 120.00	100.00	
19.443	19.443	(0.935)	43	2935349			154.10- 254.10	205.57	
19.443	19.443	(0.935)	100	165961			0.00- 63.81	11.62	

122	Dibromochloromethane					CAS #: 124-48-1			
19.803	19.803	(0.952)	129	1531225	61.0117	61.012	80.00- 120.00	100.00	
19.803	19.803	(0.952)	127	1218664			26.76- 126.76	79.59	

123	1,2-Dibromoethane					CAS #: 106-93-4			
20.079	20.079	(0.965)	107	1547180	54.8614	54.861	80.00- 120.00	100.00	
20.079	20.079	(0.965)	109	1459649			43.98- 143.98	94.34	

127	Chlorobenzene					CAS #: 108-90-7			
20.853	20.853	(1.003)	112	2035886	53.6953	53.695	80.00- 120.00	100.00	
20.853	20.853	(1.003)	114	647265			0.00- 81.52	31.79	
20.853	20.853	(1.003)	77	1496532			22.97- 122.97	73.51	

128	Ethyl Benzene					CAS #: 100-41-4			
20.936	20.936	(1.007)	106	1092214	54.4653	54.465	80.00- 120.00	100.00	
20.936	20.936	(1.007)	91	3644980			270.03- 370.03	333.72	

129	m,p-Xylene					CAS #: 108-38-3			
21.157	21.157	(1.017)	106	1357646	54.9602	54.960	80.00- 120.00	100.00	
21.157	21.157	(1.017)	91	2911617			161.94- 261.94	214.46	

130	o-Xylene					CAS #: 95-47-6			
21.849	21.849	(1.051)	106	1231545	54.4576	54.458	80.00- 120.00	100.00	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPEV)	(PPEV)	(PPEV)		
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
21.849	21.849	(1.051)	91	2758895				174.42- 274.42	224.02

131 Styrene CAS #: 100-42-5									
21.876	21.876	(1.052)	104	1996694	53.8093	53.809		80.00- 120.00	100.00
21.876	21.876	(1.052)	78	1231905				13.05- 113.05	61.70

133 Bromoform CAS #: 75-25-2									
22.291	22.291	(1.072)	173	1325381	61.7732	61.773		80.00- 120.00	100.00
22.291	22.291	(1.072)	171	671762				2.32- 102.32	50.68

134 Cumene CAS #: 98-82-8									
22.429	22.429	(1.078)	105	3182316	57.6781	57.678		80.00- 120.00	100.00
22.429	22.429	(1.078)	120	790178				0.00- 78.50	24.83
22.429	22.429	(1.078)	51	521339				0.00- 65.94	16.38

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.010	23.010	(1.106)	83	2180058	59.3762	59.376		80.00- 120.00	100.00
23.010	23.010	(1.106)	85	1389742				12.91- 112.91	63.75

142 Propylbenzene CAS #: 103-65-1									
23.121	23.121	(1.112)	91	4075831	58.4750	58.475		80.00- 120.00	100.00
23.121	23.121	(1.112)	120	786119				0.00- 69.31	19.29
23.121	23.121	(1.112)	105	132082				0.00- 53.79	3.24

145 4-Ethyltoluene CAS #: 622-96-8									
23.286	23.286	(1.120)	105	3063527	57.5302	57.530		80.00- 120.00	100.00
23.286	23.286	(1.120)	120	876834				0.00- 78.90	28.62

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.397	23.397	(1.125)	105	2597570	55.4849	55.485		80.00- 120.00	100.00
23.397	23.397	(1.125)	120	1181023				0.00- 97.80	45.47

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.033	24.033	(1.156)	105	2262685	55.7685	55.768		80.00- 120.00	100.00
24.033	24.033	(1.156)	120	977540				0.00- 93.56	43.20

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.586	24.586	(1.182)	146	1506499	56.9781	56.978		80.00- 120.00	100.00
24.586	24.586	(1.182)	148	956300				13.27- 113.27	63.48
24.586	24.586	(1.182)	111	651299				0.00- 94.36	43.23

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.752	24.752	(1.190)	146	1460177	55.3005	55.300		80.00- 120.00	100.00
24.752	24.752	(1.190)	148	920010				12.89- 112.89	63.01
24.724	24.724	(1.189)	111	616577				0.00- 93.08	42.23

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene					CAS #: 100-44-7				
24.945	24.945	(1.199)	91	2266321	61.9879	61.988	80.00-	120.00	100.00
24.945	24.945	(1.199)	126	374806			0.00-	68.80	16.54

161 1,2-Dichlorobenzene					CAS #: 95-50-1				
25.360	25.360	(1.219)	146	1326651	55.4209	55.421	80.00-	120.00	100.00
25.360	25.360	(1.219)	148	812088			11.46-	111.46	61.21
25.360	25.360	(1.219)	111	587094			0.00-	95.45	44.25

165 1,2,4-Trichlorobenzene					CAS #: 120-82-1				
28.153	28.153	(1.354)	180	472604	45.6855	45.686	80.00-	120.00	100.00
28.153	28.153	(1.354)	182	451328			45.19-	145.19	95.50

166 Hexachlorobutadiene					CAS #: 87-68-3				
28.319	28.319	(1.362)	225	506849	40.7143	40.714	80.00-	120.00	100.00
28.319	28.319	(1.362)	223	323946			11.27-	111.27	63.91

29 Isopentane					CAS #: 78-78-4				
8.273	8.273	(0.596)	43	3176224	52.5326	52.533	80.00-	120.00	100.00
8.273	8.273	(0.596)	57	2048077			17.93-	117.93	64.48

19 Butane					CAS #: 106-97-8				
6.835	6.835	(0.492)	58	370539	55.7269	55.727	80.00-	120.00	100.00
6.835	6.835	(0.492)	43	3082411			752.21-	852.21	831.87

102 Methyl Cyclohexane					CAS #: 108-87-2				
16.374	16.374	(1.179)	83	1507088	52.5362	52.536	80.00-	120.00	100.00
16.374	16.374	(1.179)	98	620115			0.00-	96.41	41.15
16.374	16.374	(1.179)	55	1740278			72.17-	172.17	115.47

167 Naphthalene					CAS #: 91-20-3				
28.678	28.678	(1.379)	128	1071043	42.7866	42.786	80.00-	120.00	100.00
28.678	28.678	(1.379)	127	126054			0.00-	64.01	11.77

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 10-Oct-2007 10:05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 10-OCT-2007

Lab File ID: t101003.d

Calibration Time: 08:38

Lab Smp Id: LCS-1

Client Smp ID: LCS-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/10Oct2007.b/t14q005a.m

Misc Info: 200ppbv --> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	226831	136099	317563	232065	2.31
97 1,4-Difluorobenze	914695	548817	1280573	887907	-2.93
126 Chlorobenzene-d5	784660	470796	1098524	786493	0.23

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

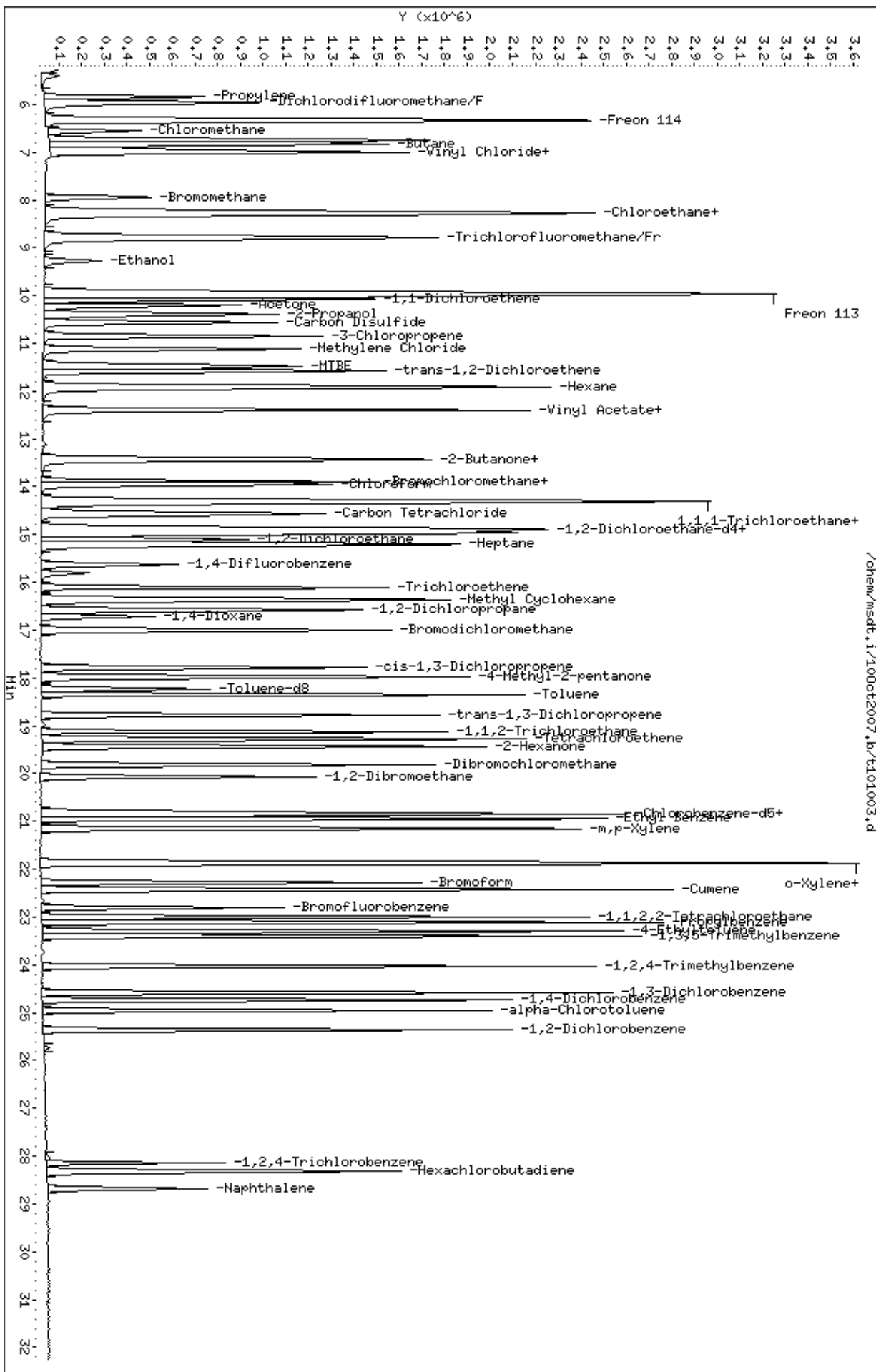
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/100oct2007,b/t101003.d
Date: 10-OCT-2007 09:20
Client ID: LCS-1
Sample Info: 50mL #1443-347

Column phase: RTX-624

Instrument: msdt,i
Operator: cb
Column diameter: 0.53





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709637-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 09:13 AM

Compound	%Recovery
Freon 12	104
Freon 114	108
Vinyl Chloride	97
Bromomethane	92
Chloroethane	96
Freon 11	104
1,1-Dichloroethene	109
Freon 113	113
Methylene Chloride	102
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	102
Chloroform	109
1,1,1-Trichloroethane	111
Carbon Tetrachloride	117
Benzene	107
1,2-Dichloroethane	121
Trichloroethene	108
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	114
Toluene	112
trans-1,3-Dichloropropene	116
1,1,2-Trichloroethane	105
Tetrachloroethene	118
1,2-Dibromoethane (EDB)	108
Chlorobenzene	104
Ethyl Benzene	103
m,p-Xylene	102
o-Xylene	104
Styrene	106
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	110
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	116
1,2-Dichlorobenzene	106
1,3-Butadiene	93
Hexane	90
Cyclohexane	96



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0709637-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7101003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/10/07 09:13 AM

Compound	%Recovery
Heptane	107
Bromodichloromethane	123
Dibromochloromethane	126
Cumene	109
Propylbenzene	105
Chloromethane	103
1,2,4-Trichlorobenzene	103
Hexachlorobutadiene	103
Acetone	90
Carbon Disulfide	91
2-Propanol	96
trans-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	96
Tetrahydrofuran	102
1,4-Dioxane	103
4-Methyl-2-pentanone	112
2-Hexanone	103
Bromoform	140
4-Ethyltoluene	104
Ethanol	102
Methyl tert-butyl ether	87
3-Chloropropene	83
2,2,4-Trimethylpentane	97
Naphthalene	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-10oct
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Level: LOW Operator: cb
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msd7.i/7-10oct.b/t14q003b.m
 Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	51.976	103.95	70-130
16 Freon 114	50.000	53.846	107.69	70-130
18 Chloromethane	50.000	51.528	103.06	70-130
20 Vinyl Chloride	50.000	48.484	96.97	70-130
22 1,3-Butadiene	50.000	46.504	93.01	60-140
25 Bromomethane	50.000	45.869	91.74	70-130
27 Chloroethane	50.000	48.154	96.31	70-130
31 Trichlorofluoromet	50.000	51.811	103.62	70-130
38 Ethanol	50.000	50.914	101.83	60-140
42 Freon 113	50.000	56.344	112.69	70-130
43 1,1-Dichloroethene	50.000	54.473	108.95	70-130
45 Acetone	50.000	44.844	89.69	60-140
47 Carbon Disulfide	50.000	45.576	91.15	60-140
46 2-Propanol	50.000	48.134	96.27	60-140
54 Methylene Chloride	50.000	51.052	102.11	70-130
60 MTBE	50.000	43.530	87.06	60-140
61 trans-1,2-Dichloro	50.000	45.987	91.97	60-140
65 Hexane	50.000	44.762	89.52	60-140
69 Vinyl Acetate	50.000	43.963	87.93	60-140
70 1,1-Dichloroethane	50.000	49.083	98.17	70-130
76 cis-1,2-Dichloroet	50.000	50.971	101.94	70-130
75 2-Butanone	50.000	48.028	96.06	60-140
80 Tetrahydrofuran	50.000	50.970	101.94	60-140
82 Chloroform	50.000	54.347	108.69	70-130
85 Cyclohexane	50.000	47.786	95.57	60-140
83 1,1,1-Trichloroeth	50.000	55.548	111.10	70-130
87 Carbon Tetrachlori	50.000	58.320	116.64	70-130
91 Benzene	50.000	53.598	107.20	70-130
93 1,2-Dichloroethane	50.000	60.384	120.77	70-130
94 Heptane	50.000	53.621	107.24	60-140
101 Trichloroethene	50.000	54.103	108.21	70-130
104 1,2-Dichloropropan	50.000	53.689	107.38	70-130
106 1,4-Dioxane	50.000	51.668	103.34	60-140

Report Date: 10-Oct-2007 09:44

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	61.581	123.16	60-140
110 cis-1,3-Dichloropr	50.000	56.982	113.97	70-130
111 4-Methyl-2-pentano	50.000	55.910	111.82	60-140
114 Toluene	50.000	55.812	111.62	70-130
116 trans-1,3-Dichloro	50.000	57.815	115.63	70-130
117 1,1,2-Trichloroeth	50.000	52.579	105.16	70-130
120 Tetrachloroethene	50.000	59.161	118.32	70-130
121 2-Hexanone	50.000	51.529	103.06	60-140
122 Dibromochlorometha	50.000	63.207	126.41	60-140
123 1,2-Dibromoethane	50.000	54.261	108.52	70-130
127 Chlorobenzene	50.000	52.172	104.34	70-130
128 Ethyl Benzene	50.000	51.332	102.66	70-130
129 m,p-Xylene	50.000	50.846	101.69	70-130
130 o-Xylene	50.000	51.972	103.94	70-130
131 Styrene	50.000	53.043	106.09	70-130
133 Bromoform	50.000	69.950	139.90	60-140
140 1,1,2,2-Tetrachlor	50.000	52.800	105.60	70-130
145 4-Ethyltoluene	50.000	51.973	103.95	60-140
147 1,3,5-Trimethylben	50.000	51.277	102.55	70-130
150 1,2,4-Trimethylben	50.000	50.840	101.68	70-130
155 1,3-Dichlorobenzen	50.000	54.862	109.72	70-130
156 1,4-Dichlorobenzen	50.000	54.102	108.20	70-130
159 alpha-Chlorotoluen	50.000	57.783	115.57	70-130
161 1,2-Dichlorobenzen	50.000	53.291	106.58	70-130
165 1,2,4-Trichloroben	50.000	51.671	103.34	70-130
166 Hexachlorobutadien	50.000	51.505	103.01	70-130
142 Propylbenzene	50.000	52.415	104.83	60-140
134 Cumene	50.000	54.451	108.90	60-140
51 3-Chloropropene	50.000	41.617	83.23	60-140
89 2,2,4-Trimethylpen	50.000	48.551	97.10	60-140
29 Isopentane	50.000	46.017	92.03	70-130
19 Butane	50.000	48.494	96.99	70-130
102 Methyl Cyclohexane	50.000	49.273	98.55	70-130
11 Propylene	50.000	50.415	100.83	60-140
167 Naphthalene	50.000	44.644	89.29	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	26.378	105.51	70-130
\$ 113 Toluene-d8	25.000	25.216	100.87	70-130
\$ 137 Bromofluorobenzene	25.000	26.792	107.17	70-130

Report Date: 10-Oct-2007 09:44

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-10oct.b/7101003.d
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1
 Inj Date : 10-OCT-2007 09:13
 Operator : cb Inst ID: msd7.i
 Smp Info : 50mL #1443-302
 Misc Info : 200ppbv --> 50ppbv
 Comment :
 Method : /chem/msd7.i/7-10oct.b/t14q003b.m
 Meth Date : 10-Oct-2007 08:50 cbond Quant Type: ISTD
 Cal Date : 04-OCT-2007 14:38 Cal File: 7100408.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.430	14.402 (1.000)	130	722781	25.0000		80.00-	120.00	100.00	
14.430	14.402 (1.000)	128	552855			27.07-	127.07	76.49	
14.402	14.402 (1.000)	49	1399092			140.67-	240.67	193.57	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
16.172	16.172 (1.000)	114	2340910	25.0000		80.00-	120.00	100.00	
16.172	16.172 (1.000)	88	363651			0.00-	65.65	15.53	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.370	21.370 (1.000)	117	1798647	25.0000		80.00-	120.00	100.00	
21.342	21.342 (1.000)	82	992198			4.37-	104.37	55.16	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.508	15.508 (1.075)	65	888432	26.3784	26.378	80.00-	120.00	100.00	
15.508	15.508 (1.075)	67	498249			5.39-	105.39	56.08	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.771	18.771 (1.161)	98	2055859	25.2163	25.216	80.00-	120.00	100.00	
18.771	18.771 (1.161)	70	235981			0.00-	60.57	11.48	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.771	18.771	(1.161)	100	1454992			20.85- 120.85	70.77
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\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.333	23.333	(1.092)	174	990345	26.7917	26.792	80.00- 120.00	100.00
23.333	23.333	(1.092)	95	1315250			81.47- 181.47	132.81
23.333	23.333	(1.092)	176	979174			47.29- 147.29	98.87

11 Propylene

CAS #: 115-07-1

5.637	5.638	(0.391)	41	1544938	50.4150	50.415	80.00- 120.00	100.00
5.637	5.638	(0.391)	42	1109135			20.61- 120.61	71.79
5.637	5.638	(0.391)	39	1148615			23.53- 123.53	74.35

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.776	5.776	(0.400)	85	5331662	51.9764	51.976	80.00- 120.00	100.00
5.776	5.776	(0.400)	87	1723052			0.00- 82.75	32.32

16 Freon 114

CAS #: 76-14-2

6.218	6.218	(0.431)	135	3671350	53.8459	53.846	80.00- 120.00	100.00
6.218	6.218	(0.431)	137	1176564			0.00- 81.23	32.05

18 Chloromethane

CAS #: 74-87-3

6.522	6.522	(0.452)	50	1726864	51.5281	51.528	80.00- 120.00	100.00
6.522	6.522	(0.452)	52	563192			0.00- 84.99	32.61

20 Vinyl Chloride

CAS #: 75-01-4

6.882	6.882	(0.477)	62	2315000	48.4843	48.484	80.00- 120.00	100.00
6.909	6.882	(0.479)	64	720641			0.00- 86.07	31.13

22 1,3-Butadiene

CAS #: 106-99-0

6.965	6.937	(0.483)	54	1683398	46.5040	46.504	80.00- 120.00	100.00
6.965	6.937	(0.483)	39	1613679			41.31- 141.31	95.86

25 Bromomethane

CAS #: 74-83-9

8.043	8.043	(0.557)	94	1961164	45.8694	45.869	80.00- 120.00	100.00
8.043	8.043	(0.557)	96	1850796			44.20- 144.20	94.37

27 Chloroethane

CAS #: 75-00-3

8.375	8.375	(0.580)	64	1131606	48.1541	48.154	80.00- 120.00	100.00
8.375	8.375	(0.580)	49	290667			0.00- 73.75	25.69
8.375	8.375	(0.580)	66	361270			0.00- 84.49	31.93

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.983	8.955	(0.623)	101	5244196	51.8107	51.811	80.00- 120.00	100.00
8.983	8.955	(0.623)	103	3419823			14.86- 114.86	65.21

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5				
9.453	9.453	(0.655)	45	835946	50.9135	50.914	80.00- 120.00	100.00		
9.453	9.453	(0.655)	43	156053			0.00- 68.72	18.67		
9.453	9.453	(0.655)	46	316082			0.00- 87.77	37.81		

42 Freon 113						CAS #: 76-13-1				
10.227	10.200	(0.709)	151	3394838	56.3444	56.344	80.00- 120.00	100.00		
10.227	10.200	(0.709)	153	2163573			14.08- 114.08	63.73		
10.200	10.200	(0.707)	101	4251257			73.52- 173.52	125.23		

43 1,1-Dichloroethene						CAS #: 75-35-4				
10.338	10.338	(0.716)	61	3664999	54.4731	54.473	80.00- 120.00	100.00		
10.338	10.338	(0.716)	96	2320372			14.40- 114.40	63.31		
10.338	10.338	(0.716)	98	1476390			0.00- 91.14	40.28		

45 Acetone						CAS #: 67-64-1				
10.504	10.504	(0.728)	58	1073298	44.8439	44.844	80.00- 120.00	100.00		
10.504	10.504	(0.728)	43	3108289			213.19- 313.19	289.60		

46 2-Propanol						CAS #: 67-63-0				
10.697	10.697	(0.741)	45	3832013	48.1344	48.134	80.00- 120.00	100.00		
10.697	10.697	(0.741)	43	920197			0.00- 93.27	24.01		
10.697	10.697	(0.741)	59	153517			0.00- 54.21	4.01		

47 Carbon Disulfide						CAS #: 75-15-0				
10.891	10.891	(0.755)	76	6576111	45.5757	45.576	80.00- 120.00	100.00		

51 3-Chloropropene						CAS #: 107-05-1				
11.167	11.167	(0.774)	76	1111053	41.6170	41.617	80.00- 120.00	100.00		
11.167	11.167	(0.774)	41	2901751			181.03- 281.03	261.17		

54 Methylene Chloride						CAS #: 75-09-2				
11.471	11.472	(0.795)	49	2554663	51.0526	51.052	80.00- 120.00	100.00		
11.471	11.472	(0.795)	84	1950850			28.02- 128.02	76.36		
11.471	11.472	(0.795)	51	781537			0.00- 83.61	30.59		

60 MTBE						CAS #: 1634-04-4				
11.831	11.831	(0.820)	73	4088406	43.5298	43.530	80.00- 120.00	100.00		
11.831	11.831	(0.820)	57	923742			0.00- 72.55	22.59		
11.831	11.831	(0.820)	41	873086			0.00- 72.07	21.36		

61 trans-1,2-Dichloroethene						CAS #: 156-60-5				
11.942	11.942	(0.828)	96	2449024	45.9873	45.987	80.00- 120.00	100.00		
11.942	11.942	(0.828)	61	3390092			88.38- 188.38	138.43		
11.942	11.942	(0.828)	98	1556024			12.13- 112.13	63.54		

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
65 Hexane					CAS #: 110-54-3				
12.329	12.329	(0.854)	57	3503773	44.7616	44.762		80.00- 120.00	100.00
12.329	12.301	(0.854)	43	2239702				10.63- 110.63	63.92
12.329	12.329	(0.854)	86	543807				0.00- 65.99	15.52

69 Vinyl Acetate					CAS #: 108-05-4				
12.826	12.799	(0.889)	86	537994	43.9627	43.963		80.00- 120.00	100.00
12.799	12.799	(0.887)	43	6020220				961.24-1061.24	1119.01

70 1,1-Dichloroethane					CAS #: 75-34-3				
12.826	12.826	(0.889)	63	4205635	49.0832	49.083		80.00- 120.00	100.00
12.826	12.826	(0.889)	65	1337707				0.00- 81.57	31.81

75 2-Butanone					CAS #: 78-93-3				
13.905	13.905	(0.964)	72	984424	48.0279	48.028		80.00- 120.00	100.00
13.905	13.905	(0.964)	43	4166638				373.73- 473.73	423.26
13.905	13.905	(0.964)	57	322659				0.00- 83.11	32.78

76 cis-1,2-Dichloroethene					CAS #: 156-59-2				
13.932	13.932	(0.966)	61	2840701	50.9713	50.971		80.00- 120.00	100.00
13.932	13.932	(0.966)	96	2162658				26.76- 126.76	76.13
13.932	13.932	(0.966)	98	1383530				0.00- 98.83	48.70

80 Tetrahydrofuran					CAS #: 109-99-9				
14.402	14.402	(0.998)	42	2289131	50.9704	50.970		80.00- 120.00	100.00
14.402	14.402	(0.998)	71	853981				0.00- 87.74	37.31
14.402	14.402	(0.998)	72	927312				0.00- 92.10	40.51

82 Chloroform					CAS #: 67-66-3				
14.485	14.485	(1.004)	83	3953058	54.3471	54.347		80.00- 120.00	100.00
14.485	14.485	(1.004)	85	2556382				15.33- 115.33	64.67

83 1,1,1-Trichloroethane					CAS #: 71-55-6				
14.845	14.845	(1.029)	97	3631493	55.5477	55.548		80.00- 120.00	100.00
14.845	14.845	(1.029)	99	2323327				14.38- 114.38	63.98

85 Cyclohexane					CAS #: 110-82-7				
14.845	14.845	(1.029)	84	2310605	47.7865	47.786		80.00- 120.00	100.00
14.845	14.845	(1.029)	56	2902324				73.75- 173.75	125.61
14.845	14.845	(1.029)	41	1597694				18.57- 118.57	69.15

87 Carbon Tetrachloride					CAS #: 56-23-5				
15.121	15.094	(1.048)	119	3300311	58.3201	58.320		80.00- 120.00	100.00
15.121	15.094	(1.048)	117	3426943				53.52- 153.52	103.84

89 2,2,4-Trimethylpentane					CAS #: 540-84-1				
15.425	15.425	(1.069)	57	7894321	48.5514	48.551		80.00- 120.00	100.00

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
89 2,2,4-Trimethylpentane (continued)									
15.425	15.425	(1.069)	56	2669020			0.00- 84.63	33.81	
15.425	15.425	(1.069)	41	2051685			0.00- 74.25	25.99	

91 Benzene CAS #: 71-43-2									
15.536	15.536	(0.961)	78	5256874	53.5982	53.598	80.00- 120.00	100.00	
15.536	15.536	(0.961)	77	1150733			0.00- 73.41	21.89	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.647	15.647	(0.968)	62	2524281	60.3836	60.384	80.00- 120.00	100.00	
15.647	15.647	(0.968)	64	798473			0.00- 82.78	31.63	

94 Heptane CAS #: 142-82-5									
15.729	15.730	(0.973)	71	1655381	53.6207	53.621	80.00- 120.00	100.00	
15.729	15.730	(0.973)	43	3164645			136.07- 236.07	191.17	
15.729	15.730	(0.973)	57	1677864			52.56- 152.56	101.36	

101 Trichloroethene CAS #: 79-01-6									
16.642	16.642	(1.029)	95	2206529	54.1031	54.103	80.00- 120.00	100.00	
16.642	16.642	(1.029)	130	2159850			49.26- 149.26	97.88	
16.642	16.642	(1.029)	97	1417363			14.64- 114.64	64.23	

104 1,2-Dichloropropane CAS #: 78-87-5									
17.140	17.140	(1.060)	63	1919661	53.6893	53.689	80.00- 120.00	100.00	
17.140	17.140	(1.060)	62	1403728			23.43- 123.43	73.12	
17.140	17.140	(1.060)	41	1142697			9.99- 109.99	59.53	

106 1,4-Dioxane CAS #: 123-91-1									
17.250	17.250	(1.067)	88	1246928	51.6681	51.668	80.00- 120.00	100.00	
17.250	17.250	(1.067)	58	881406			19.10- 119.10	70.69	
17.250	17.250	(1.067)	57	287019			0.00- 71.64	23.02	

107 Bromodichloromethane CAS #: 75-27-4									
17.554	17.554	(1.085)	83	3789615	61.5809	61.581	80.00- 120.00	100.00	
17.554	17.554	(1.085)	85	2425230			14.16- 114.16	64.00	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
18.329	18.329	(1.133)	75	2837483	56.9825	56.982	80.00- 120.00	100.00	
18.329	18.329	(1.133)	77	910557			0.00- 82.37	32.09	
18.329	18.329	(1.133)	39	1543243			4.93- 104.93	54.39	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.522	18.522	(1.145)	58	1571486	55.9096	55.910	80.00- 120.00	100.00	
18.522	18.522	(1.145)	43	4025452			191.34- 291.34	256.16	
18.522	18.522	(1.145)	85	625069			0.00- 90.12	39.78	

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
114 Toluene						CAS #:	108-88-3			
18.882	18.882	(1.168)	91	5624332	55.8115	55.812	80.00-	120.00	100.00	
18.882	18.882	(1.168)	92	3609411			13.58-	113.58	64.17	

116 trans-1,3-Dichloropropene						CAS #:	10061-02-6			
19.324	19.324	(0.904)	75	2934215	57.8154	57.815	80.00-	120.00	100.00	
19.324	19.324	(0.904)	77	932550			0.00-	81.76	31.78	
19.324	19.324	(0.904)	39	1513978			1.64-	101.64	51.60	

117 1,1,2-Trichloroethane						CAS #:	79-00-5			
19.656	19.656	(0.920)	97	2084264	52.5792	52.579	80.00-	120.00	100.00	
19.656	19.656	(0.920)	99	1307977			13.05-	113.05	62.75	
19.656	19.656	(0.920)	83	1768235			35.38-	135.38	84.84	

120 Tetrachloroethene						CAS #:	127-18-4			
19.849	19.822	(0.929)	166	2570798	59.1608	59.161	80.00-	120.00	100.00	
19.822	19.822	(0.928)	129	1837935			21.68-	121.68	71.49	
19.822	19.822	(0.928)	131	1781729			19.76-	119.76	69.31	

121 2-Hexanone						CAS #:	591-78-6			
19.960	19.960	(0.934)	58	2214137	51.5288	51.529	80.00-	120.00	100.00	
19.960	19.960	(0.934)	43	4035260			133.99-	233.99	182.25	
19.960	19.960	(0.934)	100	379297			0.00-	67.82	17.13	

122 Dibromochloromethane						CAS #:	124-48-1			
20.347	20.347	(0.952)	129	3497425	63.2070	63.207	80.00-	120.00	100.00	
20.347	20.347	(0.952)	127	2694370			27.17-	127.17	77.04	

123 1,2-Dibromoethane						CAS #:	106-93-4			
20.623	20.623	(0.965)	107	3255682	54.2610	54.261	80.00-	120.00	100.00	
20.623	20.623	(0.965)	109	3071357			45.80-	145.80	94.34	

127 Chlorobenzene						CAS #:	108-90-7			
21.398	21.398	(1.001)	112	4254855	52.1721	52.172	80.00-	120.00	100.00	
21.398	21.398	(1.001)	114	1375748			0.00-	81.96	32.33	
21.398	21.398	(1.001)	77	2566080			10.76-	110.76	60.31	

128 Ethyl Benzene						CAS #:	100-41-4			
21.481	21.481	(1.005)	106	2184921	51.3323	51.332	80.00-	120.00	100.00	
21.481	21.481	(1.005)	91	6723777			256.06-	356.06	307.74	

129 m,p-Xylene						CAS #:	108-38-3			
21.702	21.702	(1.016)	106	2754864	50.8461	50.846	80.00-	120.00	100.00	
21.674	21.674	(1.014)	91	5304763			136.94-	236.94	192.56	

130 o-Xylene						CAS #:	95-47-6			
22.393	22.393	(1.048)	106	2376593	51.9724	51.972	80.00-	120.00	100.00	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPEV)	(PPEV)	(PPEV)		
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
22.393	22.393	(1.048)	91	4825880				153.67- 253.67	203.06

131 Styrene CAS #: 100-42-5									
22.421	22.421	(1.049)	104	3981622	53.0433	53.043		80.00- 120.00	100.00
22.421	22.421	(1.049)	78	1968861				0.03- 100.03	49.45

133 Bromoform CAS #: 75-25-2									
22.835	22.835	(1.069)	173	2948492	69.9501	69.950		80.00- 120.00	100.00
22.835	22.835	(1.069)	171	1514539				1.71- 101.71	51.37

134 Cumene CAS #: 98-82-8									
22.974	22.974	(1.075)	105	6139071	54.4514	54.451		80.00- 120.00	100.00
22.974	22.974	(1.075)	120	1693202				0.00- 79.63	27.58
22.946	22.946	(1.074)	51	636141				0.00- 61.53	10.36

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.527	23.527	(1.101)	83	3768582	52.7996	52.800		80.00- 120.00	100.00
23.527	23.527	(1.101)	85	2430947				14.62- 114.62	64.51

142 Propylbenzene CAS #: 103-65-1									
23.637	23.637	(1.106)	91	7899387	52.4146	52.415		80.00- 120.00	100.00
23.637	23.637	(1.106)	120	1816492				0.00- 73.30	23.00
23.637	23.637	(1.106)	105	290600				0.00- 53.98	3.68

145 4-Ethyltoluene CAS #: 622-96-8									
23.831	23.831	(1.115)	105	7009601	51.9726	51.973		80.00- 120.00	100.00
23.831	23.831	(1.115)	120	2018838				0.00- 82.97	28.80

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.914	23.914	(1.119)	105	5051039	51.2770	51.277		80.00- 120.00	100.00
23.914	23.914	(1.119)	120	2940529				3.49- 103.49	58.22

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.550	24.550	(1.149)	105	4811212	50.8400	50.840		80.00- 120.00	100.00
24.550	24.550	(1.149)	120	2373954				0.00- 98.61	49.34

155 1,3-Dichlorobenzene CAS #: 541-73-1									
25.130	25.130	(1.176)	146	3576833	54.8617	54.862		80.00- 120.00	100.00
25.130	25.130	(1.176)	148	2298011				12.94- 112.94	64.25
25.130	25.130	(1.176)	111	1402336				0.00- 90.50	39.21

156 1,4-Dichlorobenzene CAS #: 106-46-7									
25.269	25.269	(1.182)	146	3639847	54.1021	54.102		80.00- 120.00	100.00
25.269	25.269	(1.182)	148	2312281				13.07- 113.07	63.53
25.269	25.269	(1.182)	111	1358462				0.00- 88.75	37.32

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159	alpha-Chlorotoluene					CAS #: 100-44-7			
25.490	25.490	(1.193)	91	5467000	57.7829	57.783	80.00- 120.00	100.00	
25.490	25.490	(1.193)	126	1139377			0.00- 71.09	20.84	

161	1,2-Dichlorobenzene					CAS #: 95-50-1			
25.932	25.932	(1.213)	146	3190347	53.2913	53.291	80.00- 120.00	100.00	
25.932	25.932	(1.213)	148	2016323			13.20- 113.20	63.20	
25.904	25.905	(1.212)	111	1293222			0.00- 90.34	40.54	

165	1,2,4-Trichlorobenzene					CAS #: 120-82-1			
28.808	28.808	(1.348)	180	1156770	51.6709	51.671	80.00- 120.00	100.00	
28.808	28.808	(1.348)	182	1108906			46.07- 146.07	95.86	

166	Hexachlorobutadiene					CAS #: 87-68-3			
29.001	29.001	(1.357)	225	878349	51.5046	51.505	80.00- 120.00	100.00	
29.001	29.001	(1.357)	223	551194			13.74- 113.74	62.75	

29	Isopentane					CAS #: 78-78-4			
8.375	8.375	(0.580)	43	2555860	46.0169	46.017	80.00- 120.00	100.00	
8.402	8.375	(0.582)	57	1745287			22.21- 122.21	68.29	

19	Butane					CAS #: 106-97-8			
6.771	6.771	(0.469)	58	410432	48.4941	48.494	80.00- 120.00	100.00	
6.771	6.771	(0.469)	43	3157491			713.56- 813.56	769.31	

102	Methyl Cyclohexane					CAS #: 108-87-2			
16.918	16.918	(1.172)	83	2745467	49.2729	49.273	80.00- 120.00	100.00	
16.918	16.918	(1.172)	98	1257818			0.00- 97.05	45.81	
16.918	16.918	(1.172)	55	2362902			36.33- 136.33	86.07	

167	Naphthalene					CAS #: 91-20-3			
29.361	29.388	(1.374)	128	2074471	44.6438	44.644	80.00- 120.00	100.00	
29.361	29.388	(1.374)	127	244833			0.00- 61.83	11.80	

Report Date: 10-Oct-2007 09:44

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i

Calibration Date: 10-OCT-2007

Lab File ID: 7101003.d

Calibration Time: 08:29

Lab Smp Id: LCS-1

Client Smp ID: LCS-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msd7.i/7-10oct.b/t14q003b.m

Misc Info: 200ppbv --> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	744887	446932	1042842	722781	-2.97
97 1,4-Difluorobenze	2396010	1437606	3354414	2340910	-2.30
126 Chlorobenzene-d5	1859190	1115514	2602866	1798647	-3.26

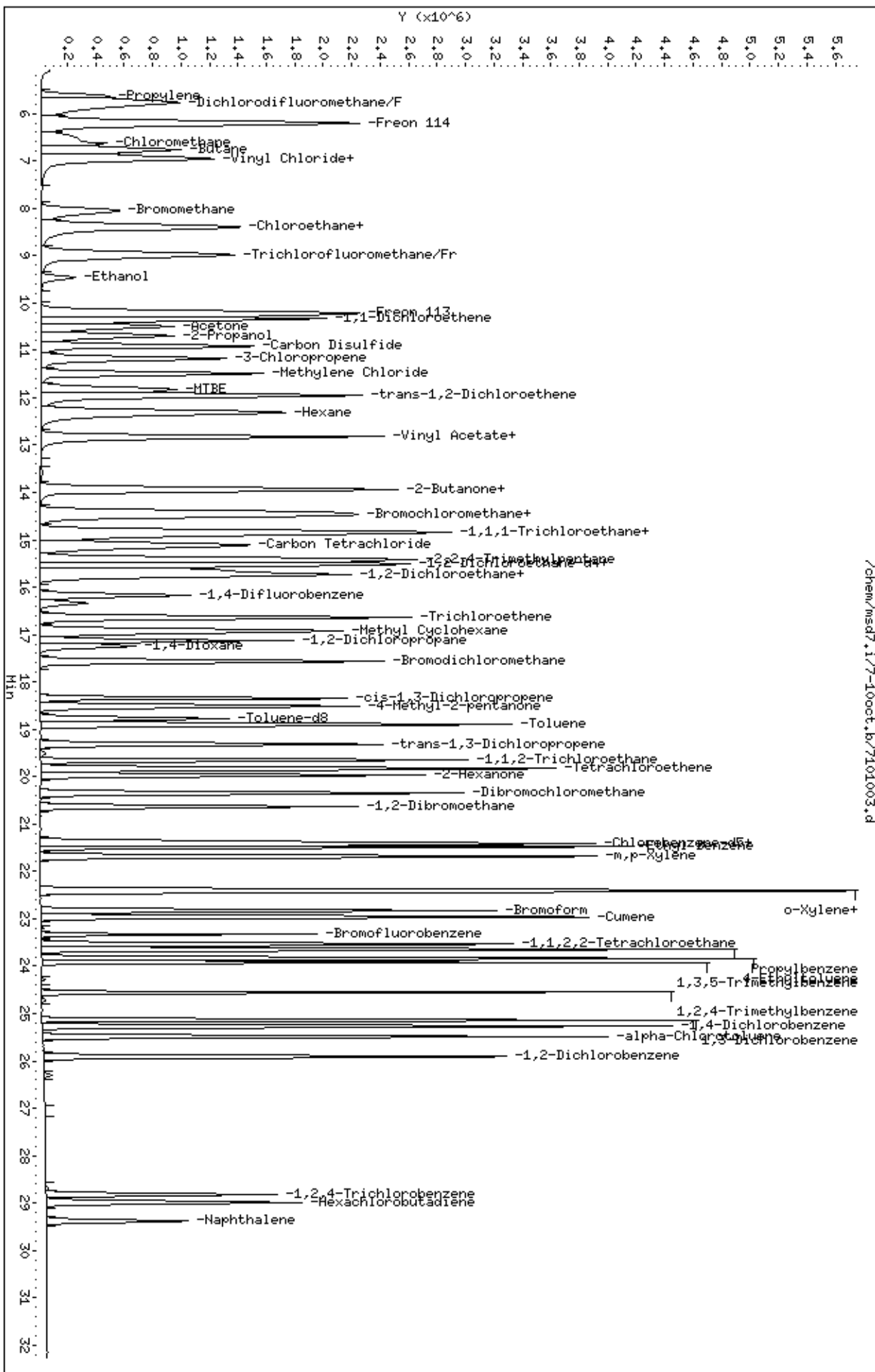
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.40	14.07	14.73	14.43	0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



@ Air Toxics Ltd.

MSD-1

Logbook #: 1599

ION ABUNDANCE CRITERIA

% REL. ABUNDANCE

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	23.44
75	30.0 - 60.0% of mass 95	44.24
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.61
173	Less than 2.0% of mass 174	(0.60) ¹
174	Greater than 50.0% of mass 95	(91.46) ¹
175	5.0 - 9.0% of mass 174	(6.56) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(95.14) ¹
177	5.0 - 9.0% of mass 176	(6.47) ²

BFB Injection Date: 10/10/07

BFB Injection Time: 0815

BFB File ID: T101001

Tekmar Purge Flow: 16.9 mL/min

Vacuum: 2.19 x 10⁻⁵ Torr

IS/S Std #:	1443-355	Exp. Date:	1/5/08
BCM	226831		
1,4-DFB	914615		
CB-d5	784660		

Verified CVV IS vs ICAL mid-point (-40%AD) CB

1 - value in parenthesis is % mass 174
 2 - value in parenthesis is % mass 176
 Verify 176/174 m/z Ratio: 1093632 / 1144440 x 100 = 95.14%

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{compound}}}{\text{Area}_{\text{std}}} \times \frac{\text{Conc.}_{\text{std}}}{\text{RRF}}$

(523643) (25.0) = (226831) (1.91260)

Reported Result 30.175

File ID:	T101002
Compound:	1,2-DCM-d4
Initials:	CB

Sl. #	File #	Sample / Client Name	Can #	Pressure	Amnt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	T101001	BFB Tune Check	1476-58	50mg	2ul	1.00	10/10/07	0815	CB	Apex #1
2	02	CVN-1 (200ppb)	1443-270	50ppb	50ml			0838	CB	
3	03	LCS-1 (200ppb)	1443-347	50ppb	50ml			0920	CB	
4	04	TVH (200ppb)	1443-356	100ppb	100ml			1027	CB	
5	05	Lab Blank	31437	Humid	200ml			1117	CB	
6	06	0709637-01A	25272	8.0% humidity	200ml	1.83		1225	CB	
7	07	-02A	34425	6.0% humidity	200ml	1.83		1315	CB	1st sum ↑
8										
9										

Signature

Date 10-11-07

@ Air Toxics Ltd.

MSD-7

Logbook #: 1594

ION ABUNDANCE CRITERIA

m/z	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95
75	30.0 - 60.0% of mass 95
95	Base peak, 100.00% relative abundance
96	5.0 - 9.0% of mass 95
173	Less than 2.0% of mass 174
174	Greater than 50.0% of mass 95
175	5.0 - 9.0% of mass 174
176	Greater than 95.0% but less than 101.0% of mass 174
177	5.0 - 9.0% of mass 176

% REL. ABUNDANCE

BFB Injection Date:	10/10/07		
BFB Injection Time:	0810		
BFB File ID:	7101001		
Tekmar Purge Flow:	12.6 mL/min		
Vacuum:	3.1 x 10 ⁻⁵ Torr		
IS/Std #:	1443-339	Exp. Date:	12/26/07
BCM	744687		
1,4-DFB	2396010		
CB-d5	1859190		

Verified CCV IS vs ICAL mid-point (-40%^D) CB

1 - value in parenthesis is % mass 174
 2 - value in parenthesis is % mass 176
 Verify 176/174 m/z Ratio: 1113519 / 1154670 x 100 = 96.42 %

NOAH Cart #: N/A

File #: N/A

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \text{Conc.s} \times \text{RRF}$

$(924087) \times (25.0) = (744887) \times (1.16495)$

Reported Result 26.623

File ID:	7101002
Compound:	1,2-DCI-d4
Initials:	CB

#	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DR	Date Analyzed	Time Analyzed	Review Init.	Comments
1	7101001	BFB Tune Check	1467-64	50mg	2ul	1.00	10/10/07	0810	CB	
2	02	CV-1 (200ppb)	1576-21	50ppb	50ul			0829	CB	
3	03	LCS-1 (200ppb)	1443-302	50ppb	50ul			0913	CB	
4	04	CCVsp (100ppb)	1443-3514	50ppb	100ul			1006	CB	sp 19/10/07
5	05	CCVsp (200ppb)	1467-373 1467-373	50ppb on.	50ul on.			1115	CB	Van. sub
6	06	Lab Blank	34490	Humid	200ul			1242	CB	
7	07	070917-09A	251	5.0 th - 15 th	50ul	4840		1321	CB	500X Dil for NT
8	08	-11A	97108	4.5 th - 15 th	100ul	2380		1413	KR	
9	09	-11AA						1457	KR	

10	V	7101010	0709637-02A	34425	8.0% Spd	2020m	183	10/10/07	1536	KR
11		11	0710235-01A	34323	8.0% Spd	2020m	183			
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

Comments:

Signature



10-11-07

Date

Report Date: 03-Oct-2007 11:27

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-03oct.b/7100301.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 03-OCT-2007 11:32
 Operator : cb Inst ID: msd7.i
 Smp Info : 2uL #1467-64;BFB tune check;BFB tune check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-03oct.b/bfb105.m
 Meth Date : 03-Oct-2007 11:27 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4	
8.204	8.232	-0.028	95	1023984		100.00- 100.00	100.00
8.204	8.232	-0.028	50	169390		15.00- 40.00	16.54
8.204	8.232	-0.028	75	390132		30.00- 60.00	38.10
8.204	8.232	-0.028	96	68471		5.00- 9.00	6.69
8.204	8.232	-0.028	173	4243		0.00- 2.00	0.58
8.204	8.232	-0.028	174	735274		50.00- 100.00	71.81
8.204	8.232	-0.028	175	51714		5.00- 9.00	7.03
8.204	8.232	-0.028	176	709296		95.00- 101.00	96.47
8.204	8.232	-0.028	177	46792		5.00- 9.00	6.60

Date : 03-OCT-2007 11:32

Client ID: BFB

Instrument: msd7.i

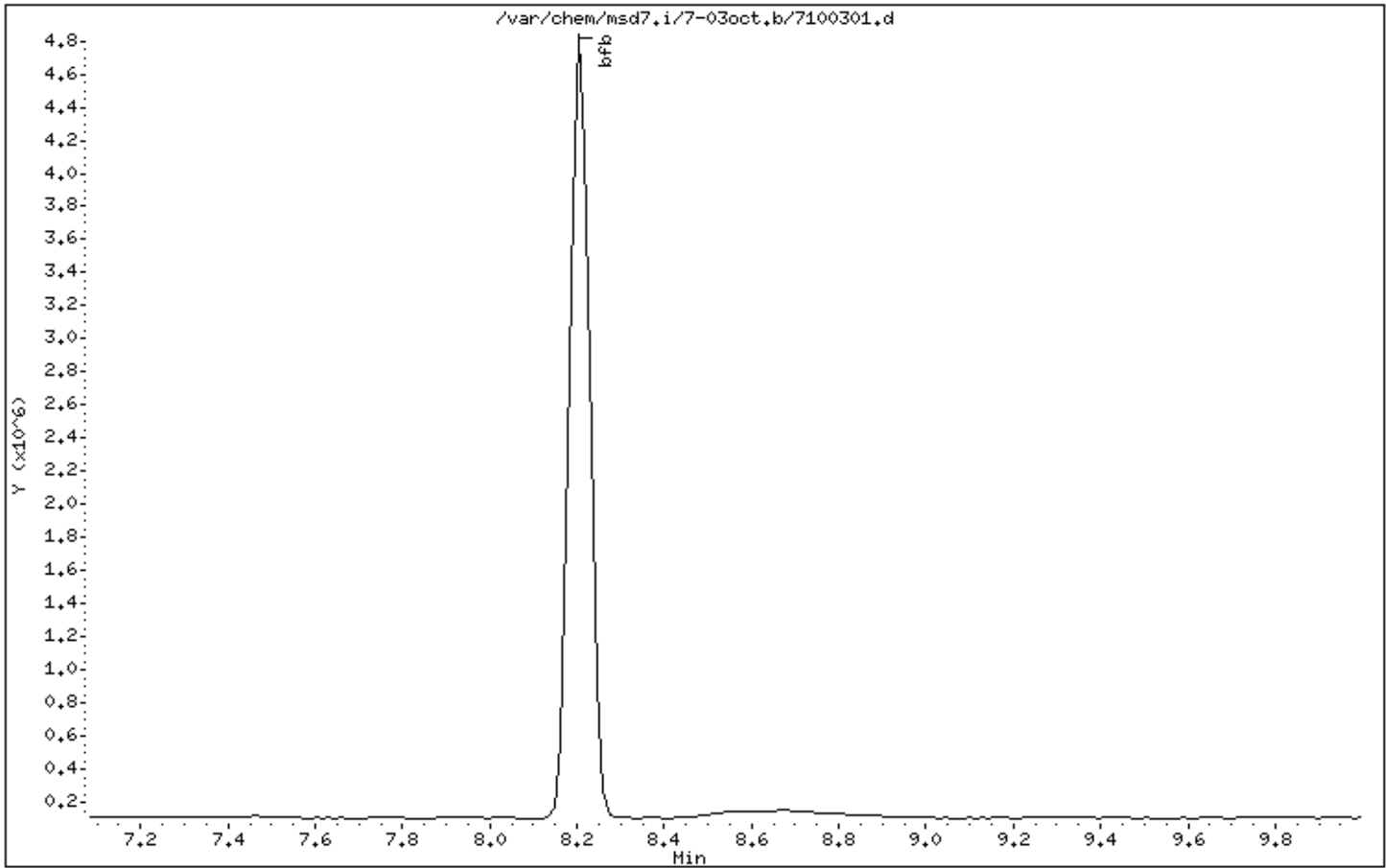
Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Date : 03-OCT-2007 11:32

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

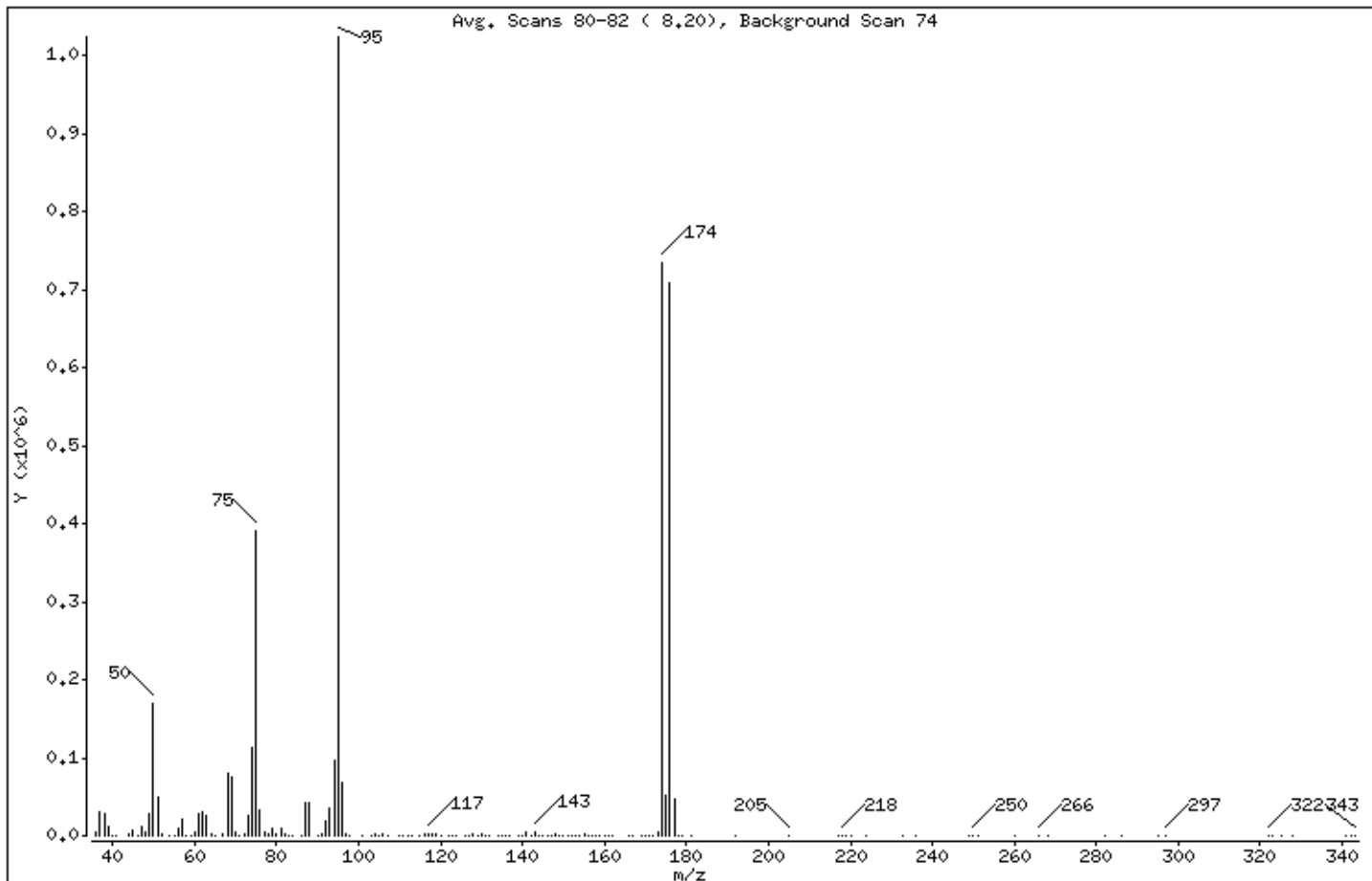
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.54
75	30.00 - 60.00% of mass 95	38.10
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.41 (0.58)
174	50.00 - 100.00% of mass 95	71.81
175	5.00 - 9.00% of mass 174	5.05 (7.03)
176	95.00 - 101.00% of mass 174	69.27 (96.47)
177	5.00 - 9.00% of mass 176	4.57 (6.60)

Date : 03-OCT-2007 11:32

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7100301.d

Spectrum: Avg. Scans 80-82 (8.20), Background Scan 74

Location of Maximum: 95.00

Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4796	78.00	3525	126.00	411	170.00	64
37.00	30168	79.00	9519	127.00	404	171.00	245
38.00	28736	80.00	3235	128.00	2189	172.00	292
39.00	12498	81.00	9843	129.00	979	173.00	4243
40.00	727	82.00	1735	130.00	2506	174.00	735232
41.00	57	83.00	117	131.00	744	175.00	51712
44.00	2839	84.00	112	132.00	54	176.00	709248
45.00	6625	86.00	1072	134.00	69	177.00	46792
46.00	583	87.00	43328	135.00	998	178.00	1154
47.00	11488	88.00	41856	136.00	118	179.00	175
48.00	3719	90.00	122	137.00	928	181.00	76
49.00	27440	91.00	1325	139.00	270	192.00	3
50.00	169344	92.00	19184	140.00	364	205.00	24
51.00	49992	93.00	35088	141.00	3711	217.00	60
52.00	2025	94.00	97096	142.00	609	218.00	193
54.00	102	95.00	1023936	143.00	3961	219.00	15
55.00	1173	96.00	68464	144.00	381	220.00	64
56.00	8858	97.00	1841	145.00	237	224.00	53
57.00	20208	98.00	273	146.00	1042	233.00	30
58.00	742	101.00	127	147.00	306	236.00	62
59.00	3	103.00	24	148.00	1714	249.00	91
60.00	5495	104.00	2066	149.00	177	250.00	156
61.00	29112	105.00	524	150.00	655	251.00	13
62.00	30848	106.00	2289	151.00	154	260.00	27
63.00	24968	107.00	836	152.00	335	266.00	117
64.00	2319	110.00	103	153.00	583	268.00	83
65.00	477	111.00	444	154.00	533	282.00	97
67.00	1524	112.00	148	155.00	1890	286.00	51
68.00	80120	113.00	355	156.00	125	295.00	60
69.00	75144	115.00	337	157.00	1139	297.00	62
70.00	5487	116.00	1847	158.00	248	322.00	218
71.00	86	117.00	3405	159.00	578	323.00	56
72.00	3257	118.00	1775	160.00	73	325.00	63
73.00	26992	119.00	2253	161.00	613	328.00	125
74.00	112928	120.00	324	162.00	70	341.00	44

Date : 03-OCT-2007 11:32

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7100301.d

Spectrum: Avg. Scans 80-82 (8.20), Background Scan 74

Location of Maximum: 95.00

Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	390080	122.00	11	166.00	52	342.00	55
76.00	33368	123.00	229	167.00	55	343.00	46
77.00	5377	124.00	413	169.00	107		

Report Date: 04-Oct-2007 09:43

Air Toxics Ltd.

Data file : /chem/msd7.i/7-03oct.b/7100309.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 03-OCT-2007 17:37
 Operator : dm Inst ID: msd7.i
 Smp Info : 2.0uL #1467-64;bfb tune check;bfb tune check;
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-03oct.b/bfb105.m
 Meth Date : 03-Oct-2007 17:32 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.218	8.232	-0.014	95	1139881			100.00- 100.00	100.00
8.218	8.232	-0.014	50	178830			15.00- 40.00	15.69
8.218	8.232	-0.014	75	430218			30.00- 60.00	37.74
8.218	8.232	-0.014	96	72311			5.00- 9.00	6.34
8.218	8.232	-0.014	173	4657			0.00- 2.00	0.53
8.218	8.232	-0.014	174	885506			50.00- 100.00	77.68
8.218	8.232	-0.014	175	63520			5.00- 9.00	7.17
8.218	8.232	-0.014	176	866226			95.00- 101.00	97.82
8.218	8.232	-0.014	177	54560			5.00- 9.00	6.30

Date : 03-OCT-2007 17:37

Client ID: BFB

Instrument: msd7.i

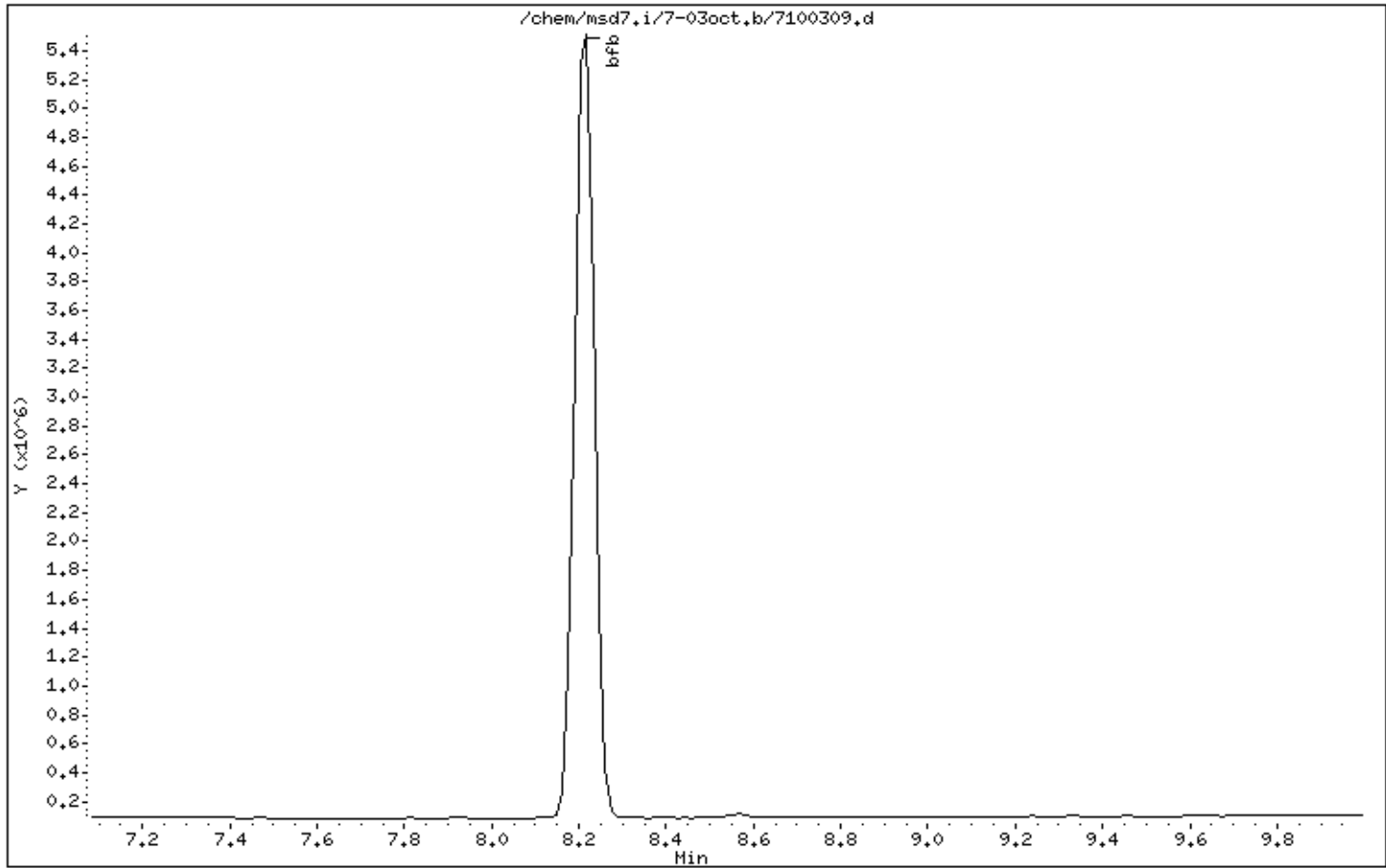
Sample Info: 2.0uL #1467-64;bfb tune check;bfb tune check;

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53



Date : 03-OCT-2007 17:37

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #1467-64;bfb tune check;bfb tune check;

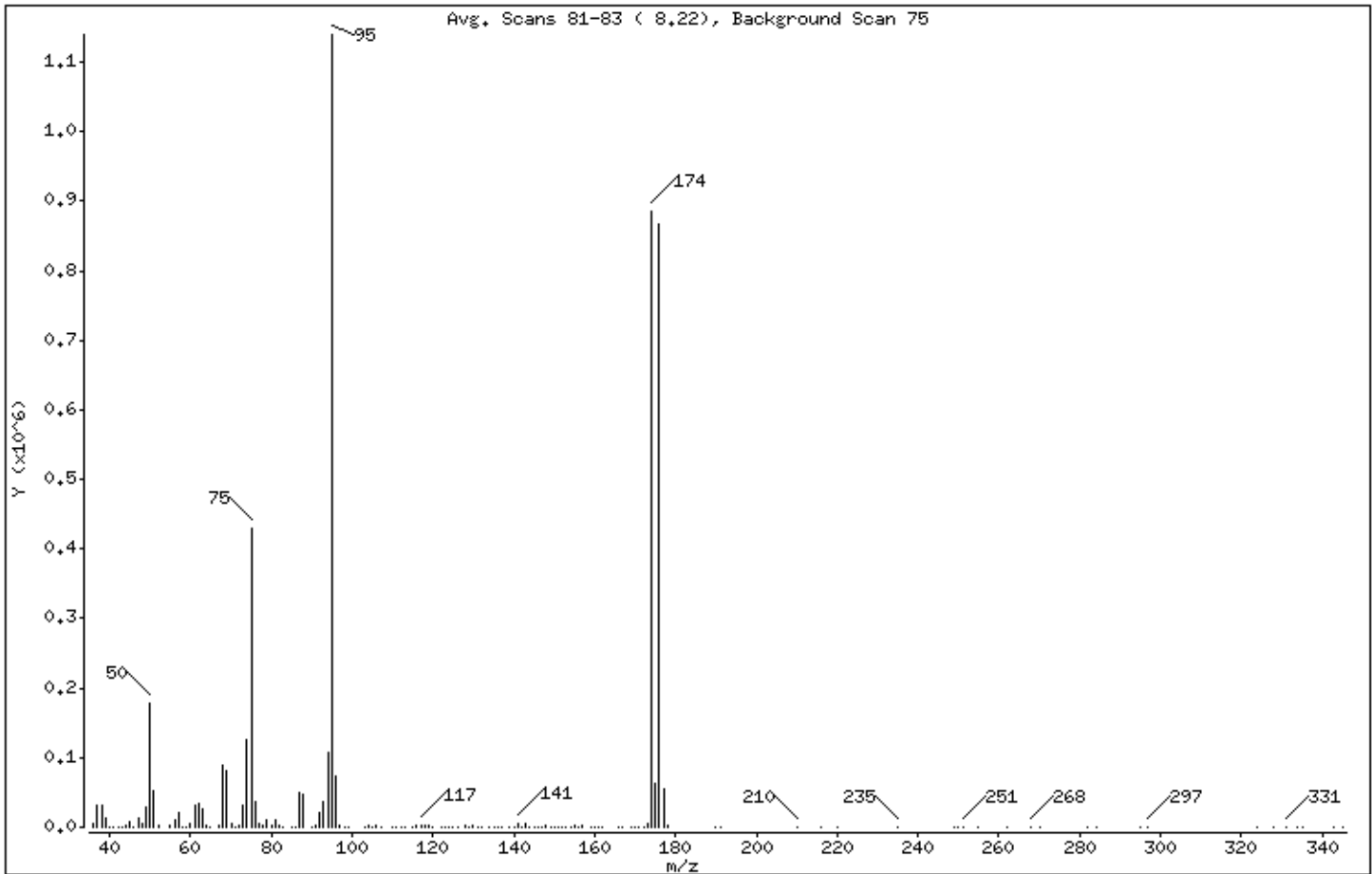
Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.69
75	30.00 - 60.00% of mass 95	37.74
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.41 (0.53)
174	50.00 - 100.00% of mass 95	77.68
175	5.00 - 9.00% of mass 174	5.57 (7.17)
176	95.00 - 101.00% of mass 174	75.99 (97.82)
177	5.00 - 9.00% of mass 176	4.79 (6.30)

Date : 03-OCT-2007 17:37

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #1467-64;bfb tune check;bfb tune check;

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

Data File: 7100309.d

Spectrum: Avg. Scans 81-83 (8.22), Background Scan 75

Location of Maximum: 95.00

Number of points: 147

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4906	76.00	36088	122.00	306	166.00	118
37.00	31568	77.00	5310	123.00	334	167.00	123
38.00	30880	78.00	3921	124.00	549	169.00	110
39.00	13339	79.00	10630	125.00	173	170.00	295
40.00	218	80.00	3878	126.00	155	171.00	380
41.00	49	81.00	11538	128.00	2737	172.00	752
42.00	70	82.00	2303	129.00	1168	173.00	4657
43.00	203	83.00	437	130.00	2353	174.00	885504
44.00	2671	85.00	29	131.00	1060	175.00	63520
45.00	7028	86.00	1067	132.00	35	176.00	866176
46.00	549	87.00	49840	134.00	246	177.00	54560
47.00	12294	88.00	46224	135.00	928	178.00	1379
48.00	3970	90.00	61	136.00	303	190.00	52
49.00	29536	91.00	1561	137.00	971	191.00	39
50.00	178816	92.00	21400	139.00	223	210.00	198
51.00	52224	93.00	37912	140.00	421	216.00	52
52.00	1978	94.00	106736	141.00	4865	220.00	62
55.00	1601	95.00	1139712	142.00	684	235.00	122
56.00	10223	96.00	72304	143.00	4856	249.00	69
57.00	21952	97.00	1968	144.00	329	250.00	86
58.00	1006	98.00	68	145.00	344	251.00	147
59.00	97	99.00	56	146.00	1190	255.00	30
60.00	5469	103.00	100	147.00	512	262.00	68
61.00	31320	104.00	2442	148.00	1743	268.00	149
62.00	33064	105.00	667	149.00	532	270.00	4
63.00	26592	106.00	2618	150.00	676	282.00	25
64.00	2221	107.00	920	151.00	112	284.00	72
65.00	72	110.00	352	152.00	409	295.00	59
67.00	1424	111.00	190	153.00	684	297.00	72
68.00	89568	112.00	34	154.00	603	324.00	50
69.00	81304	113.00	356	155.00	2045	328.00	54
70.00	5717	115.00	572	156.00	24	331.00	196
71.00	188	116.00	2451	157.00	1517	334.00	134
72.00	3388	117.00	3906	159.00	687	335.00	61
73.00	30480	118.00	2055	160.00	71	343.00	57

Date : 03-OCT-2007 17:37

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #1467-64;bfb tune check;bfb tune check;

Volume Injected (uL): 2.0

Operator: dm

Column phase:

Column diameter: 0.53

Data File: 7100309.d

Spectrum: Avg. Scans 81-83 (8.22), Background Scan 75

Location of Maximum: 95.00

Number of points: 147

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	125176	119.00	3141	161.00	696	345.00	165
75.00	430208	120.00	41	162.00	123		

Report Date: 04-Oct-2007 10:19

Air Toxics Ltd.

Data file : /chem/msd7.i/7-04oct.b/7100401.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 04-OCT-2007 10:16
 Operator : ct Inst ID: msd7.i
 Smp Info : 2uL #1467-64;BFB Tune Check;BFB Tune Check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-04oct.b/bfb105.m
 Meth Date : 04-Oct-2007 10:12 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

1 bfb

CAS #: 460-00-4

8.218	8.232	-0.014	95	1550848		100.00- 100.00	100.00
8.218	8.232	-0.014	50	236928		15.00- 40.00	15.28
8.218	8.232	-0.014	75	584320		30.00- 60.00	37.68
8.218	8.232	-0.014	96	106424		5.00- 9.00	6.86
8.218	8.232	-0.014	173	5308		0.00- 2.00	0.46
8.218	8.232	-0.014	174	1164800		50.00- 100.00	75.11
8.218	8.232	-0.014	175	83032		5.00- 9.00	7.13
8.218	8.232	-0.014	176	1132544		95.00- 101.00	97.23
8.218	8.232	-0.014	177	77088		5.00- 9.00	6.81

Date : 04-OCT-2007 10:16

Client ID: BFB

Instrument: msd7.i

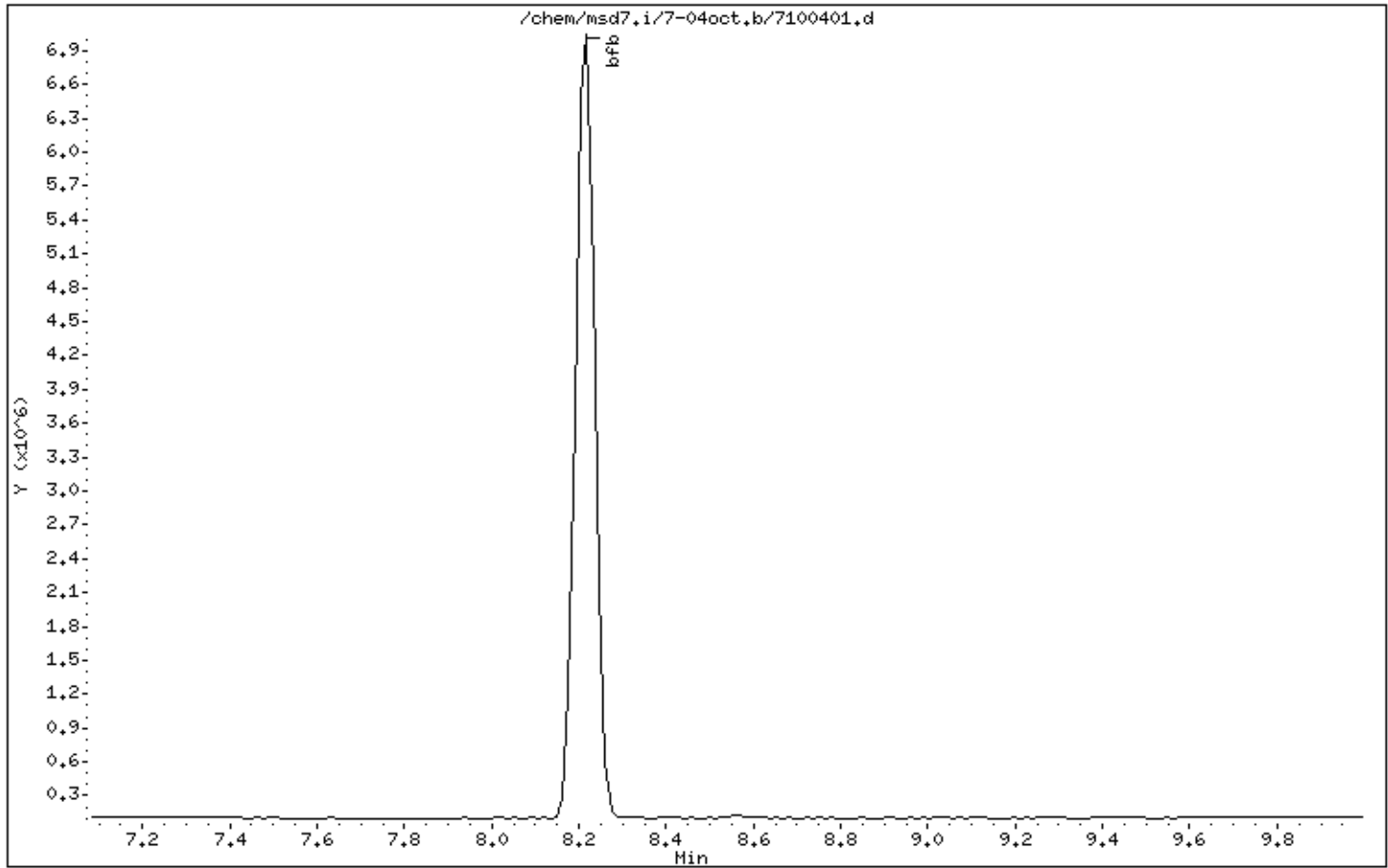
Sample Info: 2uL #1467-64;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53



Date : 04-OCT-2007 10:16

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB Tune Check;BFB Tune Check

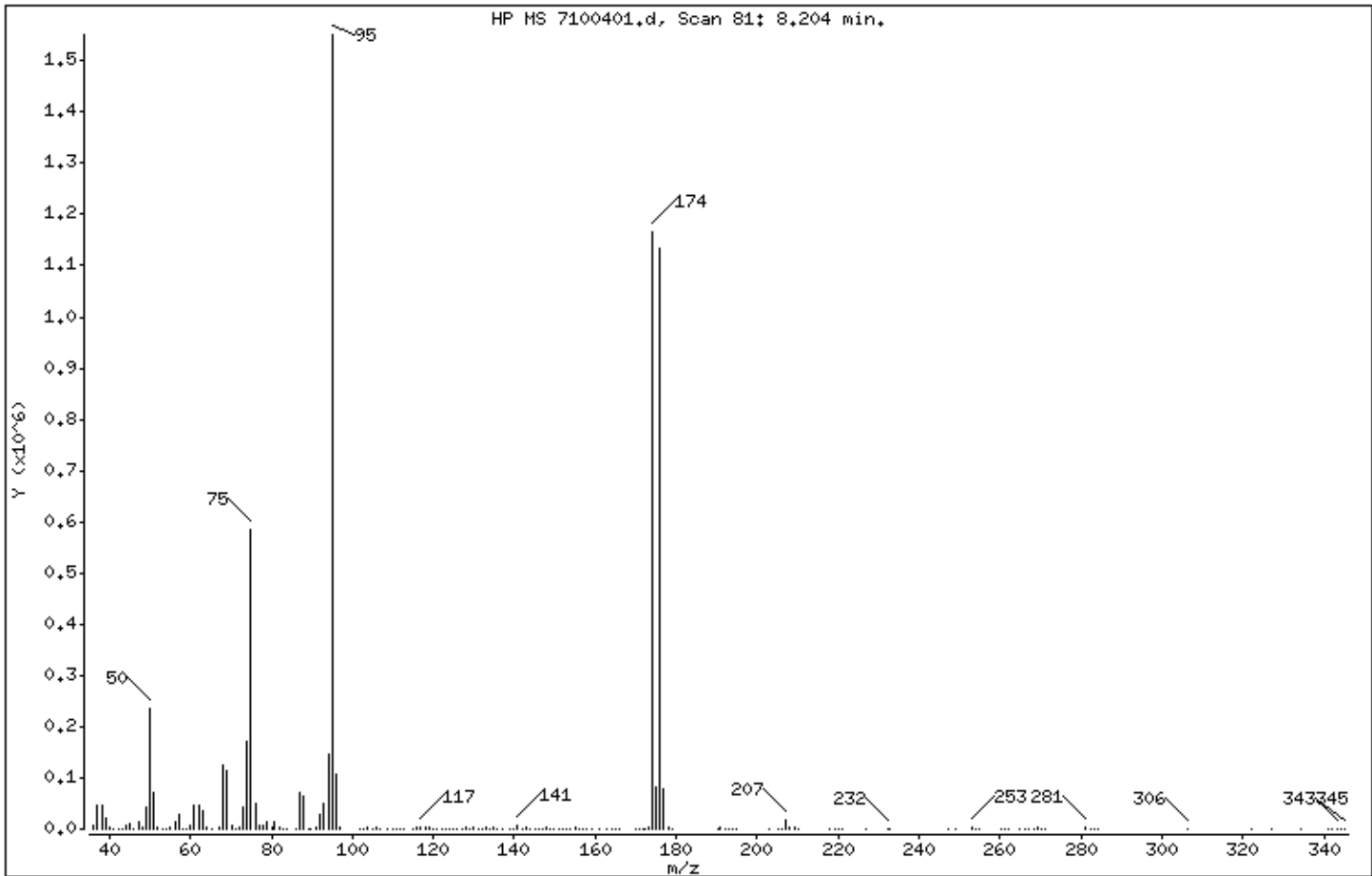
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.28
75	30.00 - 60.00% of mass 95	37.68
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.34 (0.46)
174	50.00 - 100.00% of mass 95	75.11
175	5.00 - 9.00% of mass 174	5.35 (7.13)
176	95.00 - 101.00% of mass 174	73.03 (97.23)
177	5.00 - 9.00% of mass 176	4.97 (6.81)

Date : 04-OCT-2007 10:16

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

Data File: 7100401.d

Spectrum: HP MS 7100401.d, Scan 81: 8.204 min.

Location of Maximum: 95.00

Number of points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	8114	82.00	3179	134.00	510	194.00	300
37.10	46424	83.10	381	135.00	2473	194.90	328
38.10	44840	83.90	343	135.90	337	202.90	222
39.10	20208	85.90	1294	137.00	1481	205.20	155
40.00	3038	87.00	69824	138.80	261	206.00	185
41.00	741	88.00	64280	140.00	601	207.10	18096
42.10	444	89.20	587	140.90	6164	208.10	3773
43.10	1024	89.80	150	141.90	832	209.10	2430
44.00	6987	91.00	3537	142.90	5127	210.10	440
45.00	10473	92.00	28112	144.00	386	217.90	173
46.00	459	93.00	50168	145.00	757	219.00	639
47.10	15018	94.00	145728	145.90	1556	219.90	189
48.00	4766	95.00	1550848	147.00	1608	221.10	342
49.10	42600	96.00	106424	148.00	2600	226.70	157
50.10	236928	97.00	3408	148.90	1090	232.10	851
51.10	70288	101.70	205	149.90	1074	232.80	167
52.00	2693	103.00	902	151.00	154	247.10	211
53.00	500	103.90	3245	151.80	442	249.00	535
54.00	168	104.90	1345	152.90	583	253.00	1819
55.00	2234	105.90	2862	154.00	556	254.10	300
56.10	14078	106.90	1135	155.00	3105	255.00	413
57.00	29296	108.50	425	156.00	555	260.10	1269
58.00	1066	109.80	384	156.90	1529	261.10	248
59.10	423	111.00	566	158.00	329	262.00	216
60.00	8025	112.00	403	159.00	1065	265.00	321
61.00	45880	112.90	455	160.90	1046	266.00	225
62.10	45944	114.90	1129	162.90	666	267.00	416
63.10	36008	116.00	2718	164.20	175	268.20	193
64.00	3114	116.90	5059	165.00	412	269.10	2800
65.20	369	118.00	3246	166.10	191	270.10	808
67.10	2667	119.00	4906	169.80	235	271.10	539
68.00	124616	120.10	274	171.00	353	281.10	4336
69.00	115704	121.00	247	171.70	326	282.20	1279
70.10	8273	122.00	362	172.20	453	283.10	725
71.20	297	123.00	378	173.00	5308	284.10	216

Date : 04-OCT-2007 10:16

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

Data File: 7100401.d

Spectrum: HP MS 7100401.d, Scan 81: 8.204 min.

Location of Maximum: 95.00

Number of points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	3796	123.90	566	174.00	1164800	306.20	150
73.00	42416	124.90	457	175.00	83032	322.10	175
74.00	171584	125.90	455	176.00	1132544	327.10	184
75.00	584320	127.10	623	177.00	77088	334.10	297
76.10	50616	128.00	3504	178.00	2311	341.00	218
77.00	7719	129.00	1760	179.10	494	341.90	165
78.00	5534	129.90	3792	190.10	234	343.10	975
79.00	14456	131.00	1549	191.00	2741	344.10	262
80.00	4789	132.00	296	192.10	677	345.00	165
80.90	15191	133.10	2115	193.00	1208		

Report Date: 05-Oct-2007 12:29

Air Toxics Ltd.

Data file : /chem/msdt.i/05Oct2007.b/t100501.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 05-OCT-2007 12:17
 Operator : lo Inst ID: msdt.i
 Smp Info : 2uL #1476-64;BFB Tune Check
 Misc Info : 50ng
 Comment :
 Method : /chem/msdt.i/05Oct2007.b/bfb.m
 Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

1 bfb

CAS #: 460-00-4

8.110	8.228	-0.118	95	1879112		100.00- 100.00	100.00
8.110	8.228	-0.118	50	444784		15.00- 40.00	23.67
8.110	8.228	-0.118	75	834128		30.00- 60.00	44.39
8.110	8.228	-0.118	96	121587		5.00- 9.00	6.47
8.110	8.228	-0.118	173	7695		0.00- 2.00	0.67
8.110	8.228	-0.118	174	1154904		50.00- 100.00	61.46
8.110	8.228	-0.118	175	82632		5.00- 9.00	7.15
8.110	8.228	-0.118	176	1104335		95.00- 101.00	95.62
8.110	8.228	-0.118	177	72086		5.00- 9.00	6.53

Date : 05-OCT-2007 12:17

Client ID: BFB

Instrument: msdt.i

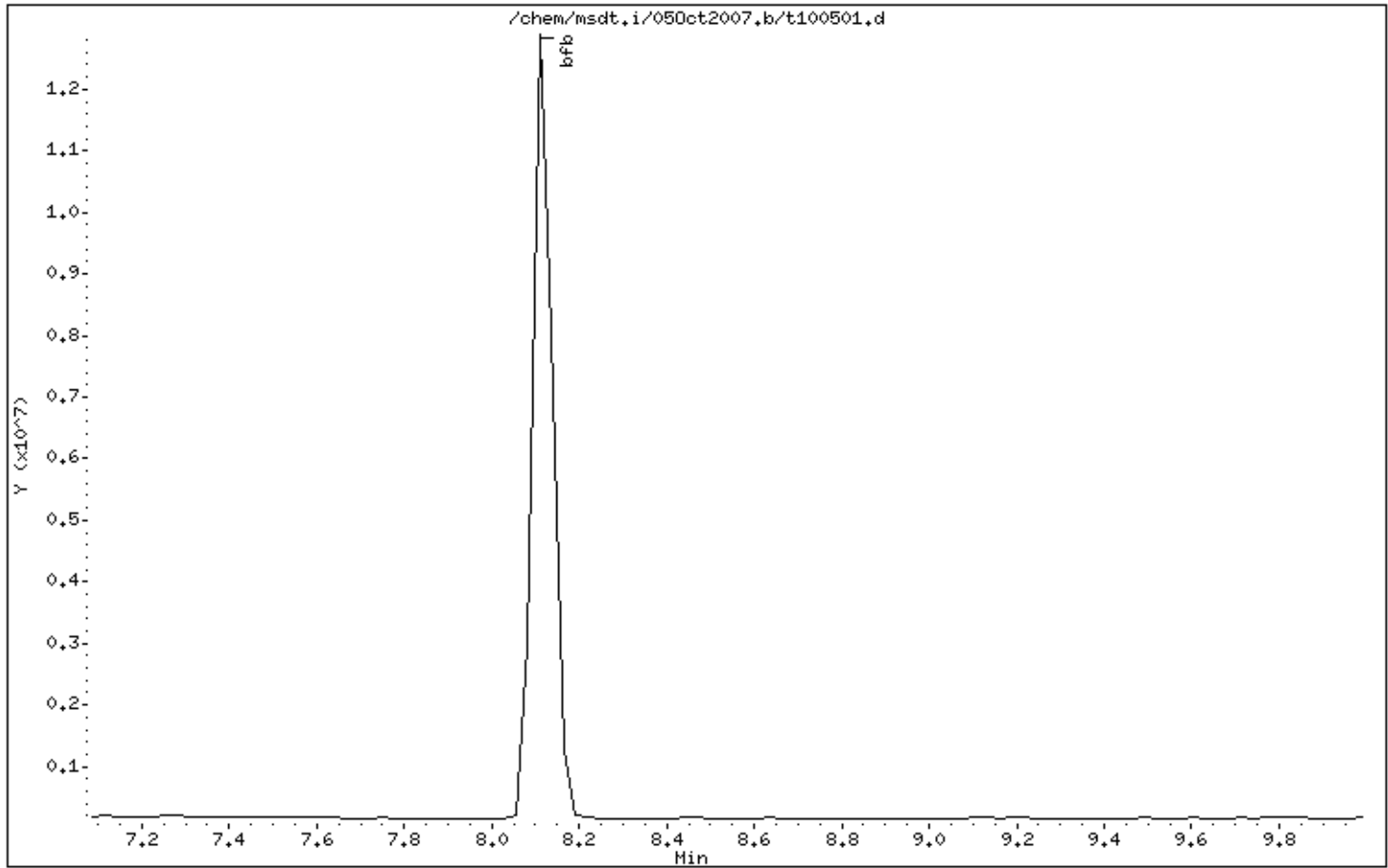
Sample Info: 2uL #1476-64;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00



Date : 05-OCT-2007 12:17

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-64;BFB Tune Check

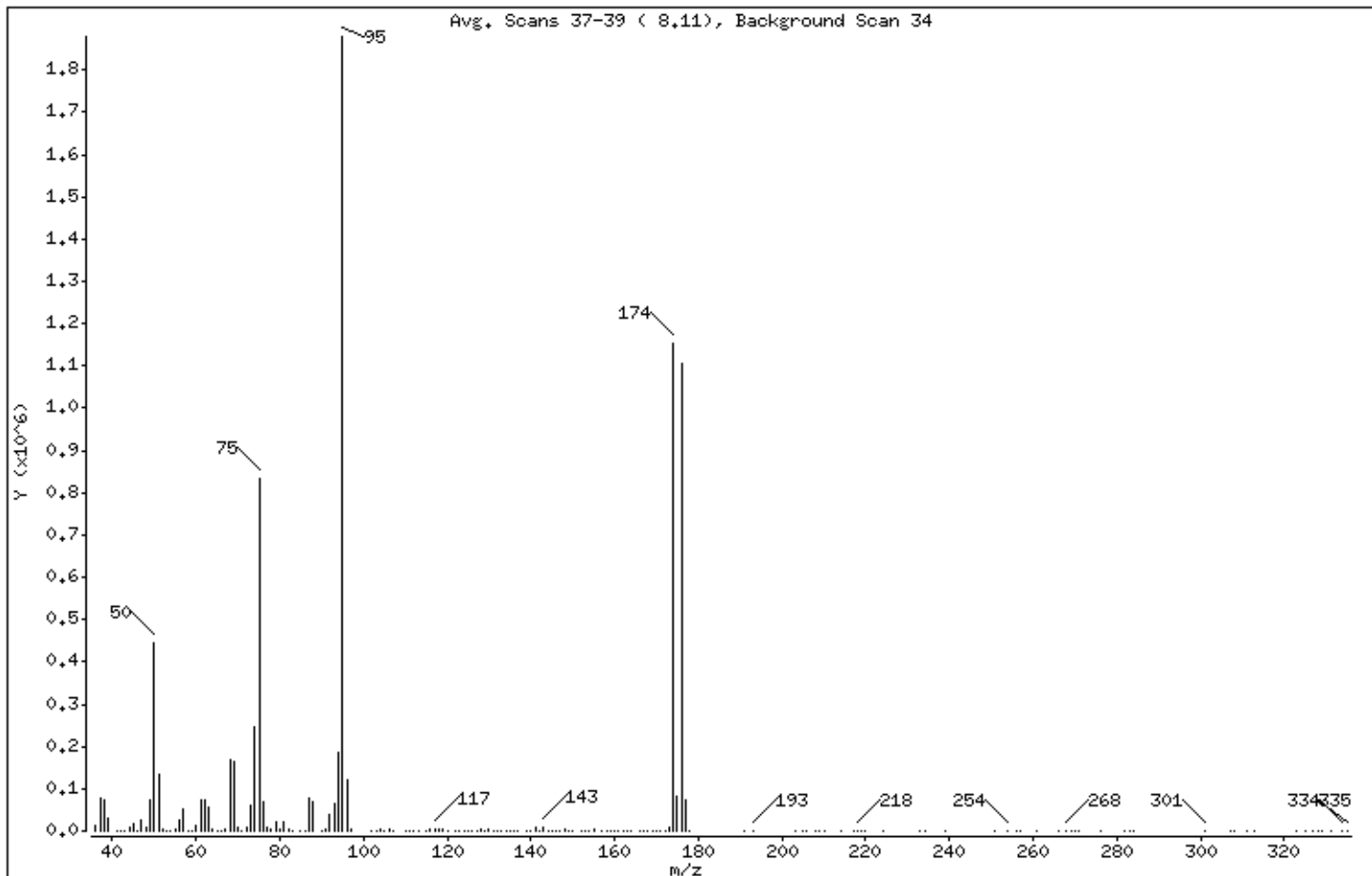
Volume Injected (uL): 1.0

Operator: lo

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	23.67
75	30.00 - 60.00% of mass 95	44.39
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.41 (0.67)
174	50.00 - 100.00% of mass 95	61.46
175	5.00 - 9.00% of mass 174	4.40 (7.15)
176	95.00 - 101.00% of mass 174	58.77 (95.62)
177	5.00 - 9.00% of mass 176	3.84 (6.53)

Date : 05-OCT-2007 12:17

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-64;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00

Data File: t100501.d

Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 172

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12933	81.00	23312	135.00	1296	206.00	294
37.00	76728	82.00	4044	136.00	658	208.00	415
38.00	74208	83.00	855	137.00	1730	209.00	254
39.00	30504	85.00	146	139.00	557	210.00	39
41.00	297	86.00	1584	140.00	826	214.00	132
42.00	421	87.00	75624	141.00	8938	217.00	106
43.00	505	88.00	69984	142.00	1379	218.00	280
44.00	6536	90.00	328	143.00	9041	219.00	104
45.00	17872	91.00	3893	144.00	484	220.00	178
46.00	840	92.00	37520	145.00	603	224.00	100
47.00	26928	93.00	65136	146.00	1728	233.00	169
48.00	9358	94.00	185920	147.00	688	234.00	120
49.00	75568	95.00	1879040	148.00	3013	239.00	211
50.00	444736	96.00	121584	149.00	808	251.00	128
51.00	133888	97.00	3429	150.00	1493	254.00	526
52.00	5257	102.00	116	152.00	444	256.00	114
53.00	946	103.00	319	153.00	1204	257.00	120
54.00	126	104.00	3986	154.00	833	261.00	268
55.00	3557	105.00	1097	155.00	2881	266.00	110
56.00	25104	106.00	4214	157.00	2125	268.00	281
57.00	51144	107.00	1839	158.00	521	269.00	269
58.00	1763	110.00	200	159.00	1219	270.00	49
59.00	702	111.00	570	160.00	217	271.00	112
60.00	13450	112.00	576	161.00	563	276.00	113
61.00	72096	113.00	645	162.00	320	282.00	278
62.00	74808	115.00	487	163.00	192	283.00	200
63.00	55104	116.00	3442	164.00	103	284.00	122
64.00	4654	117.00	5884	166.00	365	301.00	115
65.00	81	118.00	3192	167.00	279	307.00	103
66.00	83	119.00	5607	168.00	445	308.00	101
67.00	3859	120.00	483	169.00	937	311.00	216
68.00	168704	122.00	355	170.00	908	313.00	110
69.00	164608	123.00	273	171.00	1424	323.00	114
70.00	10081	124.00	700	172.00	1879	325.00	100
71.00	387	125.00	687	173.00	7695	327.00	96

Date : 05-OCT-2007 12:17

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-64;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00

Data File: t100501.d

Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 172

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	7157	126.00	781	174.00	1154560	328.00	125
73.00	59464	127.00	367	175.00	82632	329.00	113
74.00	244096	128.00	4062	176.00	1103872	331.00	122
75.00	834112	129.00	1888	177.00	72080	334.00	397
76.00	69504	130.00	3857	178.00	1582	335.00	124
77.00	8868	131.00	1626	191.00	432		
78.00	6263	132.00	553	193.00	501		
79.00	22208	133.00	16	203.00	141		
80.00	6399	134.00	373	205.00	288		

Report Date: 10-Oct-2007 08:05

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-10oct.b/7101001.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 10-OCT-2007 08:10
 Operator : cb Inst ID: msd7.i
 Smp Info : 2uL #1467-64;BFB tune check;BFB tune check
 Misc Info : 50ng
 Comment :
 Method : /var/chem/msd7.i/7-10oct.b/bfb105.m
 Meth Date : 10-Oct-2007 08:05 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4	
8.218	8.232	-0.014	95	1366719		100.00- 100.00	100.00
8.218	8.232	-0.014	50	234008		15.00- 40.00	17.12
8.218	8.232	-0.014	75	529883		30.00- 60.00	38.77
8.218	8.232	-0.014	96	91750		5.00- 9.00	6.71
8.218	8.232	-0.014	173	5647		0.00- 2.00	0.49
8.218	8.232	-0.014	174	1154870		50.00- 100.00	84.50
8.218	8.232	-0.014	175	81234		5.00- 9.00	7.03
8.218	8.232	-0.014	176	1113519		95.00- 101.00	96.42
8.218	8.232	-0.014	177	72971		5.00- 9.00	6.55

Data File: /var/chem/msd7.i/7-10oct,b/7101001.d

Page 1

Date : 10-OCT-2007 08:10

Client ID: BFB

Instrument: msd7.i

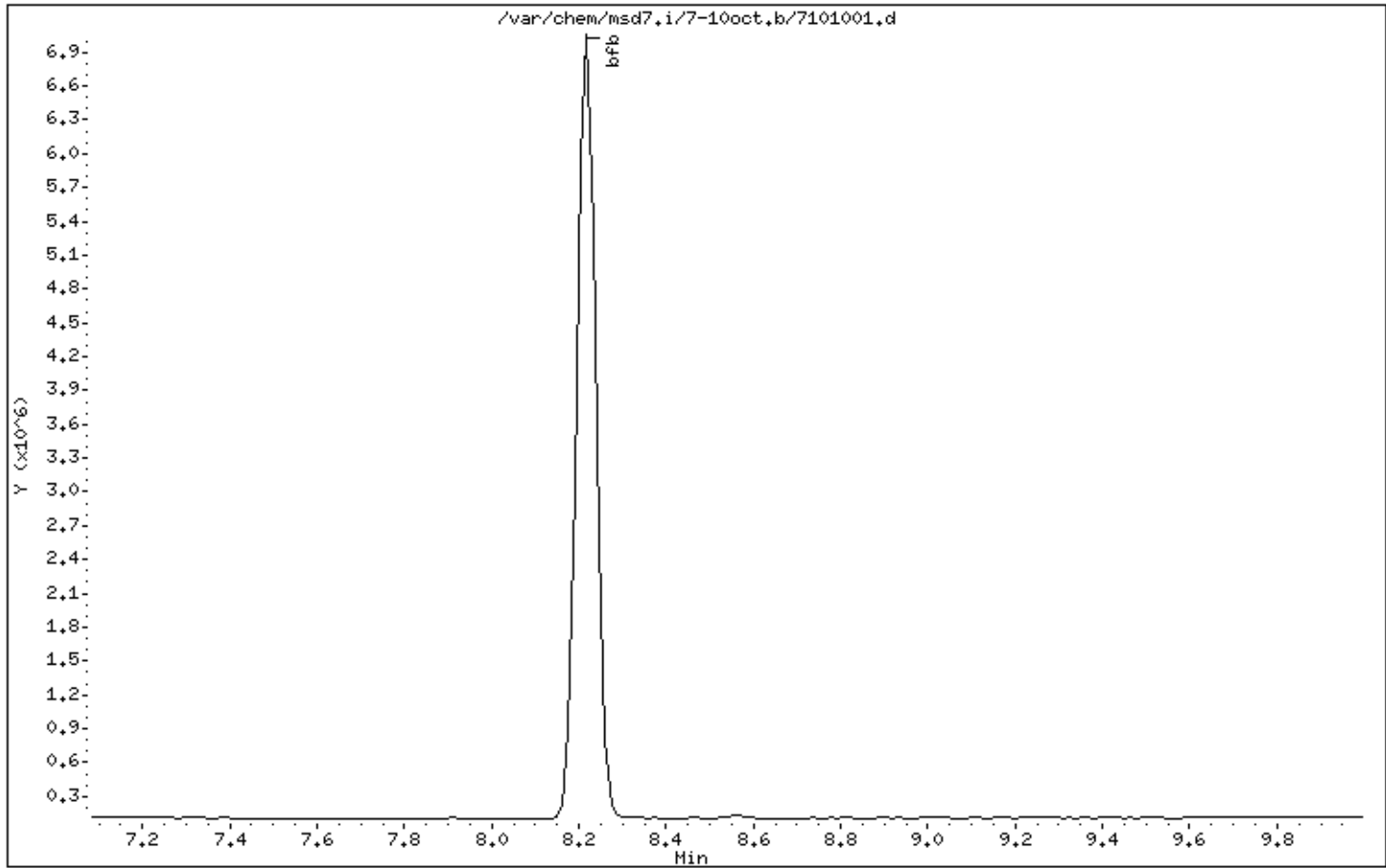
Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Date : 10-OCT-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

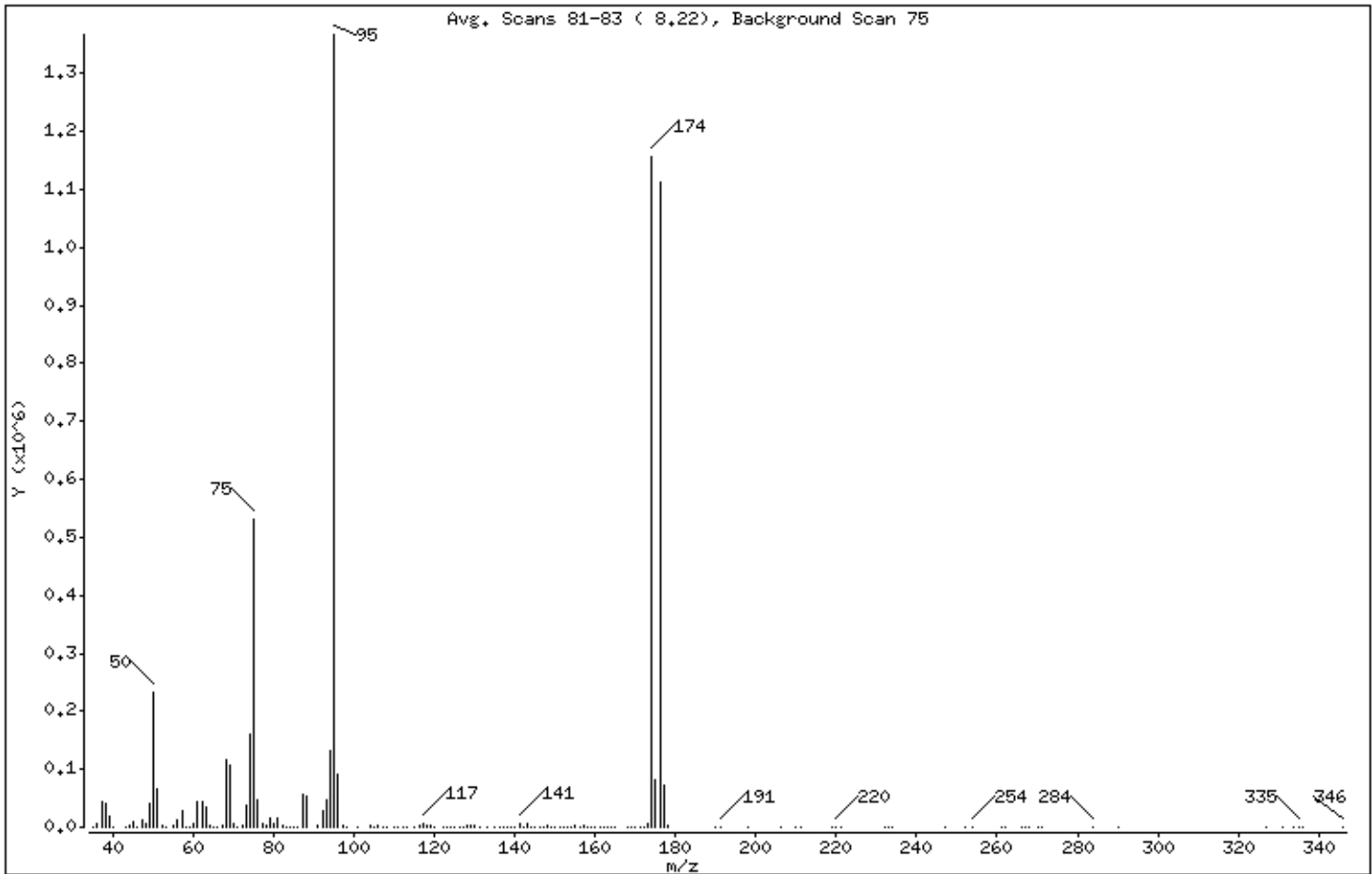
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.12
75	30.00 - 60.00% of mass 95	38.77
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.41 (0.49)
174	50.00 - 100.00% of mass 95	84.50
175	5.00 - 9.00% of mass 174	5.94 (7.03)
176	95.00 - 101.00% of mass 174	81.47 (96.42)
177	5.00 - 9.00% of mass 176	5.34 (6.55)

Date : 10-OCT-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7101001.d

Spectrum: Avg. Scans 81-83 (8.22), Background Scan 75

Location of Maximum: 95.00

Number of points: 158

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	77	78.00	4639	127.00	102	171.00	466
36.00	7772	79.00	15238	128.00	3776	172.00	867
37.00	44928	80.00	4810	129.00	1699	173.00	5647
38.00	41504	81.00	15847	130.00	3568	174.00	1154560
39.00	18032	82.00	3281	131.00	1515	175.00	81232
40.00	60	83.00	580	133.00	211	176.00	1113088
43.00	414	84.00	71	135.00	1416	177.00	72968
44.00	4502	85.00	171	136.00	386	178.00	1780
45.00	9674	86.00	964	137.00	1218	190.00	120
46.00	622	87.00	56016	138.00	146	191.00	94
47.00	13852	88.00	54792	139.00	308	198.00	70
48.00	4886	91.00	2511	140.00	542	206.00	71
49.00	39544	92.00	27064	141.00	6841	210.00	21
50.00	233984	93.00	47120	142.00	755	211.00	5
51.00	66872	94.00	133312	143.00	6611	219.00	64
52.00	2598	95.00	1366528	144.00	529	220.00	134
53.00	97	96.00	91744	145.00	254	221.00	77
55.00	2620	97.00	2225	146.00	1530	232.00	26
56.00	13274	98.00	76	147.00	359	233.00	29
57.00	28912	101.00	142	148.00	2780	234.00	62
58.00	1162	104.00	3134	149.00	811	247.00	10
59.00	50	105.00	1555	150.00	907	252.00	54
60.00	7681	106.00	3558	151.00	49	254.00	202
61.00	42904	107.00	1224	152.00	401	261.00	94
62.00	44248	108.00	291	153.00	978	262.00	192
63.00	34280	110.00	218	154.00	739	266.00	178
64.00	3150	111.00	674	155.00	2830	267.00	146
65.00	247	112.00	373	156.00	415	268.00	74
66.00	347	113.00	302	157.00	1690	270.00	75
67.00	2391	115.00	875	158.00	257	271.00	5
68.00	115056	116.00	2571	159.00	1121	284.00	192
69.00	108080	117.00	5241	160.00	137	290.00	57
70.00	7726	118.00	2623	161.00	934	327.00	95
71.00	195	119.00	4221	162.00	278	331.00	80
72.00	4180	120.00	65	163.00	146	334.00	119

Date : 10-OCT-2007 08:10

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #1467-64;BFB tune check;BFB tune check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 7101001.d

Spectrum: Avg. Scans 81-83 (8.22), Background Scan 75

Location of Maximum: 95.00

Number of points: 158

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	36552	122.00	279	164.00	233	335.00	149
74.00	161024	123.00	381	165.00	210	336.00	131
75.00	529856	124.00	692	168.00	62	346.00	50
76.00	46520	125.00	352	169.00	328		
77.00	5930	126.00	168	170.00	422		

Report Date: 10-Oct-2007 08:13

Air Toxics Ltd.

Data file : /chem/msdt.i/10Oct2007.b/t101001.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 10-OCT-2007 08:15
 Operator : cb Inst ID: msdt.i
 Smp Info : 2uL #1476-58;BFB tune check;BFB tune check
 Misc Info : 50ng
 Comment :
 Method : /chem/msdt.i/10Oct2007.b/bfb.m
 Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

1 bfb

CAS #: 460-00-4

8.110	8.228	-0.118	95	1650176		100.00- 100.00	100.00
8.110	8.228	-0.118	50	386880		15.00- 40.00	23.44
8.110	8.228	-0.118	75	729984		30.00- 60.00	44.24
8.110	8.228	-0.118	96	109088		5.00- 9.00	6.61
8.110	8.228	-0.118	173	6932		0.00- 2.00	0.60
8.110	8.228	-0.118	174	1149440		50.00- 100.00	69.66
8.110	8.228	-0.118	175	75424		5.00- 9.00	6.56
8.110	8.228	-0.118	176	1093632		95.00- 101.00	95.14
8.110	8.228	-0.118	177	70792		5.00- 9.00	6.47

Date : 10-OCT-2007 08:15

Client ID: BFB

Instrument: msdt,i

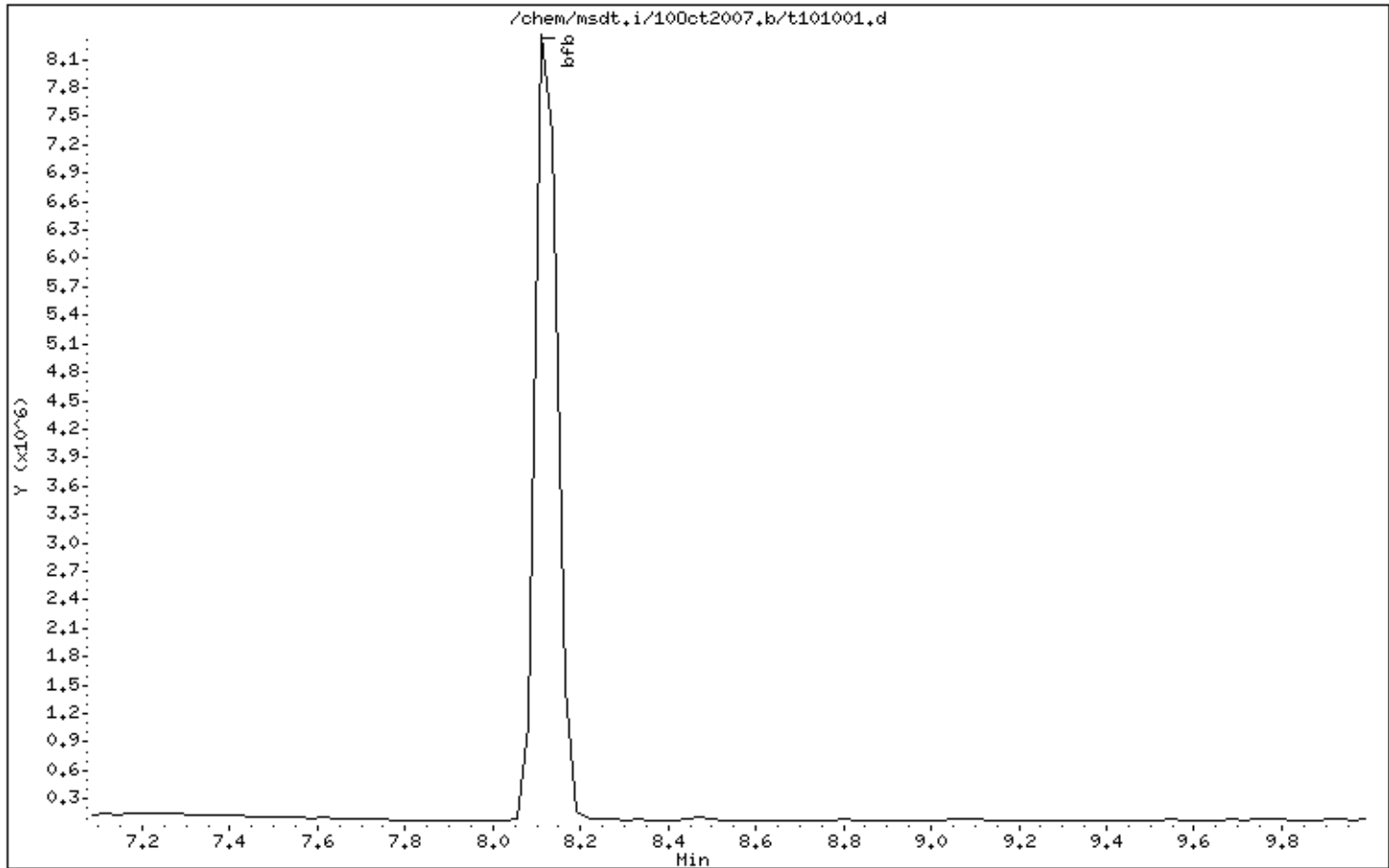
Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00



Date : 10-OCT-2007 08:15

Client ID: BFB

Instrument: msdt,i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

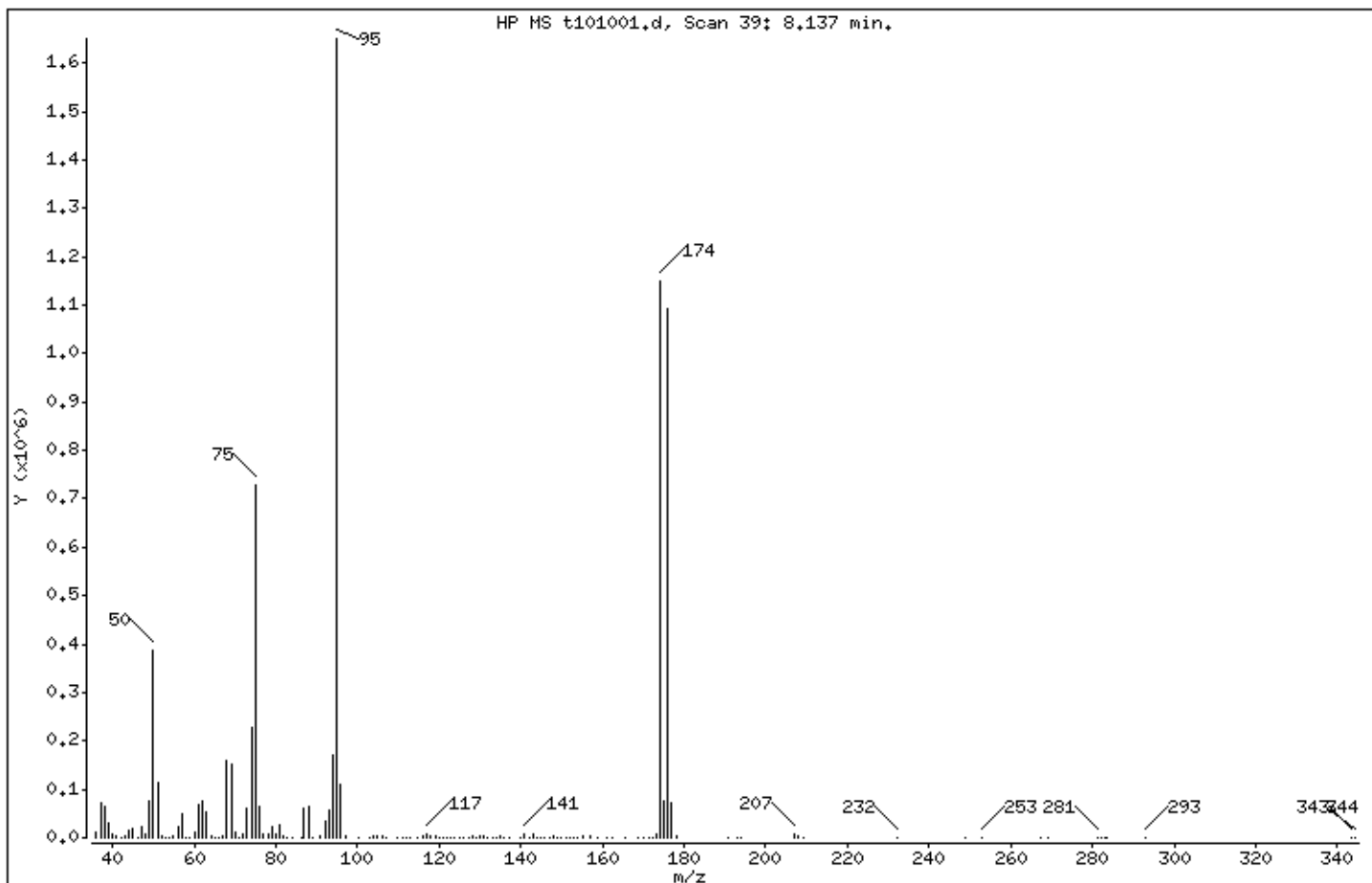
Volume Injected (uL): 1.0

Operator: cb

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	23.44
75	30.00 - 60.00% of mass 95	44.24
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.42 (0.60)
174	50.00 - 100.00% of mass 95	69.66
175	5.00 - 9.00% of mass 174	4.57 (6.56)
176	95.00 - 101.00% of mass 174	66.27 (95.14)
177	5.00 - 9.00% of mass 176	4.29 (6.47)

Date : 10-OCT-2007 08:15

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

Data File: t101001.d

Spectrum: HP MS t101001.d, Scan 39: 8.137 min.

Location of Maximum: 95.00

Number of points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36,00	11727	72,00	6507	117,00	7641	155,00	3453
37,10	70576	73,00	62456	118,00	4039	156,90	2290
38,10	66104	74,00	228032	119,00	5066	159,00	1280
39,00	29440	75,00	729984	119,90	476	160,90	1627
40,00	9237	76,00	63240	121,00	344	162,30	321
41,00	2078	77,00	9192	121,90	326	165,50	310
42,00	767	78,00	6652	122,90	599	168,70	426
43,00	2618	78,90	24200	123,90	1247	170,00	1027
44,00	15425	80,00	6954	125,00	404	171,30	1839
45,00	18840	81,00	26272	125,90	675	172,20	1604
46,10	1413	82,00	4647	127,10	353	173,00	6932
47,00	23832	82,90	864	128,00	4127	174,00	1149440
48,00	8296	84,20	332	129,00	1859	175,00	75424
49,00	74864	86,10	1445	129,90	3357	176,00	1093632
50,00	386880	87,00	60736	130,90	2270	177,00	70792
51,00	113920	88,00	64488	131,90	480	178,00	2151
52,10	5227	89,20	618	133,00	1824	191,00	928
53,00	640	90,90	4311	134,00	638	193,00	864
54,00	300	92,00	35056	135,00	3126	194,00	375
55,00	3979	93,00	58200	135,90	556	207,10	8359
56,00	23312	94,00	168896	137,00	1604	208,10	2206
57,00	50152	95,00	1650176	139,90	638	209,10	761
58,00	1385	96,00	109088	141,00	9379	232,00	413
58,90	694	97,00	2827	142,00	1474	249,00	304
60,00	12465	100,10	350	143,00	9108	253,10	385
61,00	68200	103,00	1350	143,80	492	267,10	604
62,00	75200	103,90	4224	145,00	1099	269,10	468
63,00	53376	105,00	2846	145,90	1836	281,20	1267
64,10	3467	106,00	4003	147,00	1319	282,10	758
65,10	963	106,90	1516	147,90	3893	283,10	350
65,90	488	109,90	636	149,00	1766	283,70	314
67,00	3774	111,00	687	149,90	1455	292,80	304
68,00	160768	112,20	412	151,10	331	343,20	413
69,00	152384	113,00	641	152,10	556	344,20	436
70,00	11251	114,90	1458	153,00	1156		

Date : 10-OCT-2007 08:15

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

Data File: t101001.d

Spectrum: HP MS t101001.d, Scan 39: 8.137 min.

Location of Maximum: 95.00

Number of points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	440	115.90	4277	154.00	778		

Shipping/ Receiving Documents



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**180 Blue Ravine Road, Suite B
Folsom, CA 95630**

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

COMPANY: _____ GEI Consultants, Inc.
ATTENTION: _____ Ms. Sarah Aldridge
FAX #: _____ 860-368-5307
FROM: _____ Sample Receiving
Workorder #: _____ 0709637
of pages (Including Cover): _____ 1

10/18/2007

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

The following discrepancy has been observed:

The Chain of Custody (COC) information for sample UW AMS 5 did not match the information on the canister with regard to canister identification. Unless otherwise notified, ATL will proceed with the analysis using the information on the canister to process and report the sample.

Your prompt response is appreciated.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling, or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 457-4822

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX: (916) 965-1020

Contact: GEI Consultants, Inc.
 455 Winding Brook Glastonbury CT 06033
 Phone: 860-368-5390 Cell:

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

Turn Around Time:
 Normal
 Rush
 Specify 8/10/07

Collected By: Signature: [Signature]

Lab I.D.	Field Sample I.D.	CAN #	Date & Time	Analyses Requested	Carister Pressure/Vacuum Initial	Final	Vacuum Receipt
01A	WU AMS 5	25254	0600/1410 0606/07	TO-15 + Naphthalene	-29	-8	8/10/07
	DW AMS 1	25272	0608-0815 0616/07	TO-15 + Naphthalene	-29.5	-1	8/10/07
02A	DW AMS 3	34485	0615-1415 0627/07	TO-15 + NAPHTHALENE	-8	8/10/07	8/10/07

Relinquished By: (Signature) [Signature] Date/Time 9/23/07 1500 Received By: (Signature) [Signature] Date/Time 9/28/07
 Relinquished By: (Signature) [Signature] Date/Time 9/23/07 1500 Received By: (Signature) [Signature] Date/Time 9/28/07
 Relinquished By: (Signature) [Signature] Date/Time 9/23/07 1500 Received By: (Signature) [Signature] Date/Time 9/28/07

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 Shipper Name: FedEx Air Bill #: 862917045657 Opened By: WGA Temp. (C): NA Condition: Good Carister Seal: None Yes No 0709639
 Use Only: 862917045657 5646 862917045657 FEDEX



AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0709637

Client	Phone	Date Promised: 10/12/07
Ms. Sarah Aldridge	860-368-5300	Date Completed: 10/11/07
GEI Consultants, Inc.		Date Received: 9/28/07
455 Winding Brook Drive	Fax	PO#: NR
Suite 201	860-368-5307	Project#: 061140-8-1703 BayShore OU1 Southern cell
Glastonbury, CT 06033		Air Monitorin
Sales Rep: ANS		Total \$: \$ 778.00
		Logged By: MW

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
01A	UW AMS 5	Modified TO-15	9/26/2007	8.0 "Hg	\$225.00
02A	DW AMS 3	Modified TO-15	9/27/2007	8.0 "Hg	\$225.00
03A	Lab Blank	Modified TO-15	NA	NA	\$0.00
03B	Lab Blank	Modified TO-15	NA	NA	\$0.00
04A	CCV	Modified TO-15	NA	NA	\$0.00
04B	CCV	Modified TO-15	NA	NA	\$0.00
05A	LCS	Modified TO-15	NA	NA	\$0.00
05B	LCS	Modified TO-15	NA	NA	\$0.00

Misc. Charges 6 Liter Summa Canister (3) @ \$50.00 each.	\$150.00
6 Liter Summa Canister (100% Certified) (1) @ \$65.00 each.	\$65.00
Blue Body Flow Controller (3) @ \$35.00 each.	\$105.00
Fuel Surcharge (4) @ \$2.00 each.	\$8.00

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

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

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

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

Sample Discrepancy Report

Identification

Initiated By: mw Date: 9/29

Discrepancy Type: I. II. III.
(circle all that apply)

Workorder(s) affected: 6709637 Sample(s) affected: OIA

I. Sample Receipt Discrepancies

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

Narration not required:

- COC was not filled out in ink.
- Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- Flow controller used - canister samples received at ambient or under pressure.
- No brass cap on canister.
- VOA vial for RSK-175 analysis received with headspace bubble <5mm.

Narration Required:

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

Describe the Discrepancy: OIA can # is 25272

II. Sample Receipt/Screening Discrepancies requiring CSR notification

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

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

- COC was not received with samples.
- Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- Number of samples on the COC does not match the number of samples that were received.
- Samples were received expired.
- Sampling date / time (sulfur only) is not documented for some / any samples (circle one).
- Sample received with significant (pooling) volume of H₂O in the Tedlar Bag.
- Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- Samples for RSK-175 CO₂ analysis received preserved with HCl.
- Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- Canister was at ambient pressure at time of pressurization and (check all that apply): canister failed leak check on two manifolds, canister valve was open, brass nut was loose. Sample can / cannot be analyzed (circle one).
- Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- Canister sample received at >15"Hg (not identified as a Trip/Field Blank).
- Trip Blank received at low vacuum (< 25"Hg).
- Tedlar Bag for Sulfur analysis has metal fitting.
- Incorrect sampling media / container for analysis requested.
- Sample was received at ≥ 10°C.
- Other (describe below)

Initials: _____ Date: _____
(if not the original initiator)

CSR Notified
(see section below)

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

Compound Listing

Modified TO-15 + Naph

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

DATA REVIEW CHECKLIST

Work Order #:

0709637

A R T M Q

- Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
- The final report has the correct reporting list, special units, and header info.
- Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)

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

LUMEN validation report present and initialed

CIRCLE (YES/ NO)

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

- Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
- Correct amount of sample analyzed (i.e. sample not over-diluted)
- Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)

- TICs resemble reference spectra
- TICs between duplicate samples are consistent
- Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
- Special units for all samples in the final report are correctly calculated
- Manually entered results checked (i.e. special CCV compounds)
- TPH/NMOC (verify calculations and correct reference compound used)
- Chain of Custody scanned correctly

- Verify sample id's vs. chain of custody
- Samples pressurized w/ appropriate gas (N₂ or He) Tedlar Bag only
- Final pressure consistent with canister size (6L) (s. 1L)
- Verify receipt pressures against logbook and Target
- Verify canister ID #'s
- Extra printed copies are provided per client profile
- Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
- Client LUMEN report reviewed for accuracy and completeness

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

A/R: 01A - MSDT - All QC met 20% in LCS
02A - MSDT 1-out in CCV (Bromoforn)

M/O:

A (Analytical Review/Date) R/T (Reporting Review/Date) M (Management Review/Date) Q (QA Review/Date)

KR 10-10-07 R: EJA/CAB/10-11-07 [Signature] 10/11/07

T: _____

Not Applicable