eCVP

Electronic Comprehensive Validation Package

WO# 0703408

Air Toxics Ltd.

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0703408

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	43
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)	44	51
b. Surrogate Recover Summary Form (If Applicable)	52	52
c. Internal Standard Summary Form (If Applicable)	53	53
d. Duplicate Results Summary Sheet	--	--
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	54	151
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	152	165
i. Second Source LCS(Summary + Raw Data)	166	179
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	180	183
l. GC/MS Tune (Results + Raw Data)	184	193
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	194	195
b. Chain-of-Custody Records	196	196
c. Sample Log-In Sheet	197	197
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	--	--
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	--	--
c. Manual Calculations	--	--
d. Canister Dilution Factors	198	200
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	201	202
g. Variance Table	--	--
h. Canister Certification	203	208
i. Data Review Check Sheet	209	209

Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	4/4/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0703408

Work Order Summary

CLIENT:	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033	**BILL TO:**	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 Bayshore OU1 Southern Cell Air Monitorin
DATE RECEIVED:	03/16/2007	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	03/29/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	BS031407-Upwind	Modified TO-15	6.5 "Hg
02A	BS031407-Downwind	Modified TO-15	5.5 "Hg
03A	BS031407-TB	Modified TO-15	29.0 "Hg
04A	BS031407-XX	Modified TO-15	5.5 "Hg
05A	Lab Blank	Modified TO-15	NA
06A	CCV	Modified TO-15	NA
07A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 03/29/07

Laboratory Director

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

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LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0703408

One 6 Liter Summa Canister and three 6 Liter Summa Canister (100% Certified) samples were received on March 16, 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.

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The trip blank sample BS031407-TB has reportable levels of target compounds present.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

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

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
BS031407-Upwind	0703408-01A	3/14/2007	3/16/2007	NA	14	3/28/2007	NA	Good
BS031407-Downwind	0703408-02A	3/14/2007	3/16/2007	NA	14	3/28/2007	NA	Good
BS031407-TB	0703408-03A	3/14/2007	3/16/2007	NA	14	3/28/2007	NA	Good
BS031407-XX	0703408-04A	3/14/2007	3/16/2007	NA	14	3/28/2007	NA	Good
Lab Blank	0703408-05A	NA	NA	NA	NA	3/27/2007	NA	Good
CCV	0703408-06A	NA	NA	NA	NA	3/27/2007	NA	Good
LCS	0703408-07A	NA	NA	NA	NA	3/27/2007	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: BS031407-Upwind

Lab ID#: 0703408-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	4.2	8.1	9.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-Upwind

Lab ID#: 0703408-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032720**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 3/28/07 01:07 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
Toluene	0.86	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	Not Detected	3.7	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected

0007

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-Upwind

Lab ID#: 0703408-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032720**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 3/28/07 01:07 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	4.2	8.1	9.9
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032720.d
Lab Smp Id: 0703408-01A
Inj Date : 28-MAR-2007 01:07
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #33920
Misc Info : 6.5"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 28-Mar-2007 13:47 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1
Dil Factor: 1.71000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	253764	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	199812			27.80- 127.80	78.74
14.430	14.402 (1.000)	49	529541			223.58- 323.58	208.67
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	1022781	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	169604			0.00- 66.82	16.58
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	781442	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	500752			14.01- 114.01	64.08
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	387180	24.4585	24.458	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	194200			3.94- 103.94	50.16
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	1021746	24.9616	24.962	80.00- 120.00	100.00
18.799	18.771 (1.160)	70	117643			0.00- 61.60	11.51

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	680823			16.47- 116.47	66.63
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	437044	23.9649	23.965	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	591248			84.54- 184.54	135.28
23.361	23.361 (1.093)	176	426039			47.45- 147.45	97.48
45 Acetone					CAS #: 67-64-1		
10.531	10.504 (0.730)	58	22076	2.42806	4.152	80.00- 120.00	100.00
10.531	10.476 (0.730)	43	78250			299.51- 399.51	354.46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032720.d
Lab Smp Id: 0703408-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 6.5"Hg -> 5psi

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	253764	-3.57
97 1,4-Difluorobenze	1085284	651170	1519398	1022781	-5.76
126 Chlorobenzene-d5	843196	505918	1180474	781442	-7.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.

Report Date: 29-Mar-2007 15:17

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703408-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 6.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.458	97.83	70-130
$ 113 Toluene-d8	25.000	24.962	99.85	70-130
$ 137 Bromofluorobenzene	25.000	23.965	95.86	70-130

Data File: /chem/msd7.i/7-27mar.b/7032720.d

Date : 28-MAR-2007 01:07

Client ID:

Sample Info: 200mL #33920

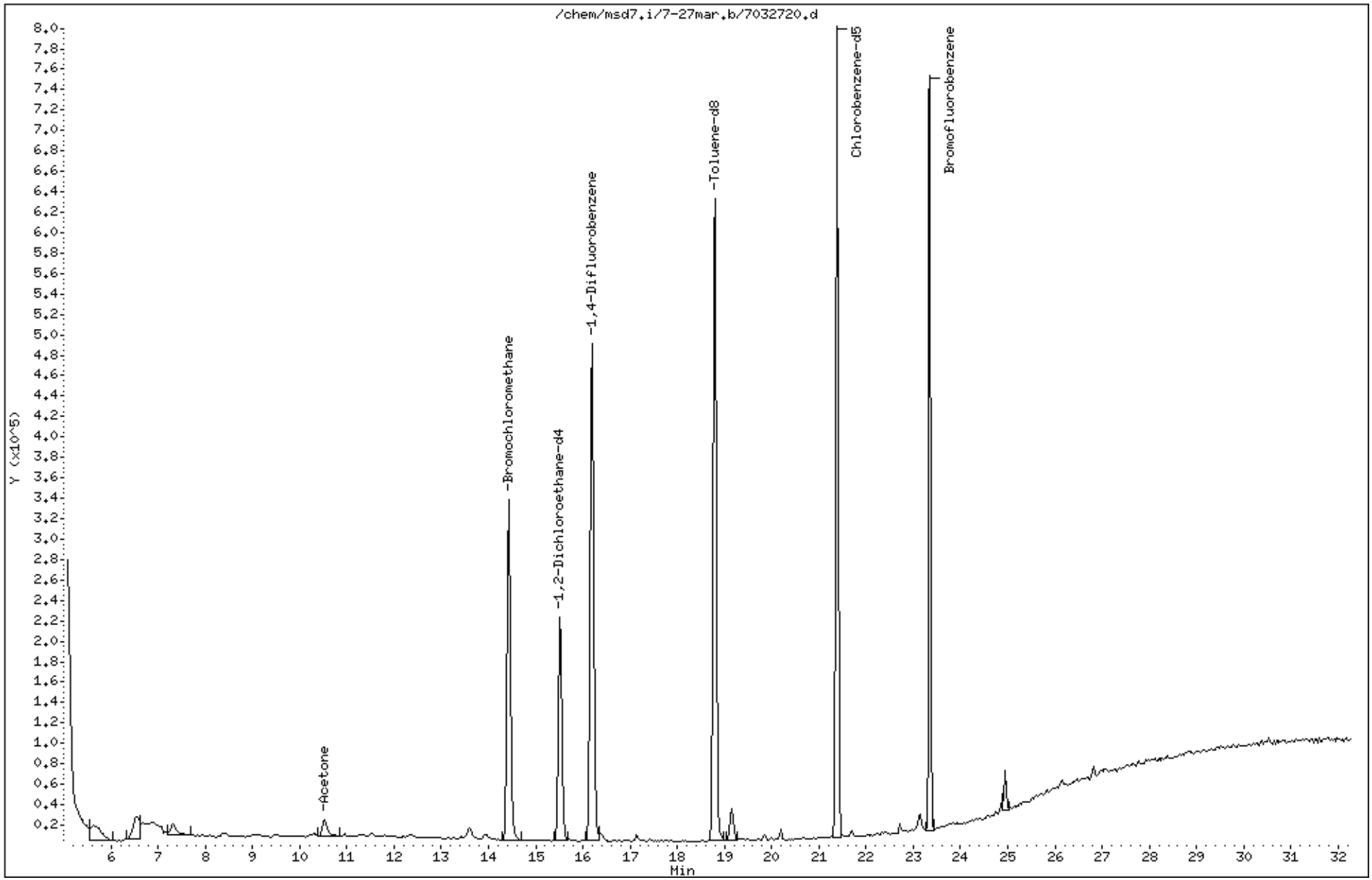
Column phase: RTx-624

Instrument: msd7.i

Operator: ab

Column diameter: 0.53

0013



Data File: /chem/msd7.i/7-27mar.b/7032720.d

Date : 28-MAR-2007 01:07

Client ID:

Instrument: msd7.i

Sample Info: 200mL #33920

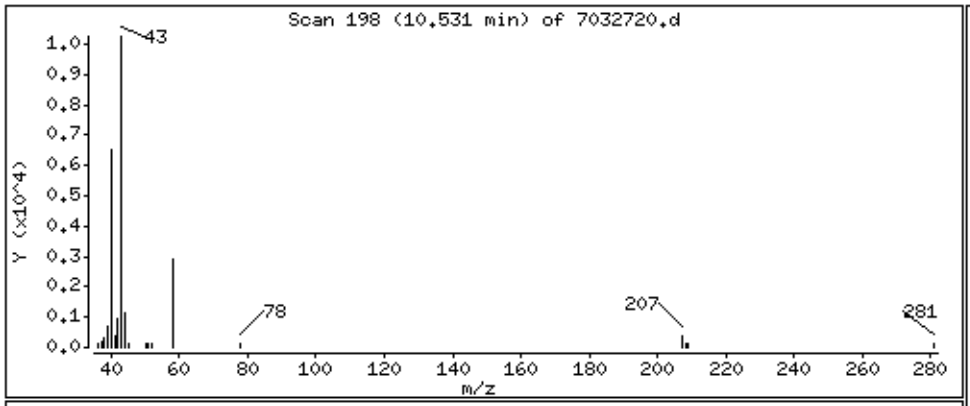
Operator: ab

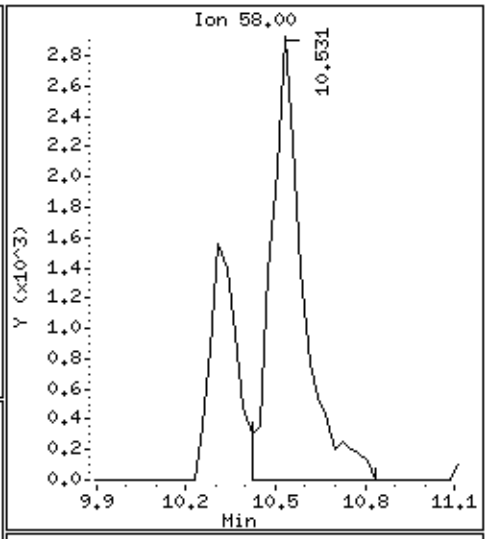
Column phase: RTx-624

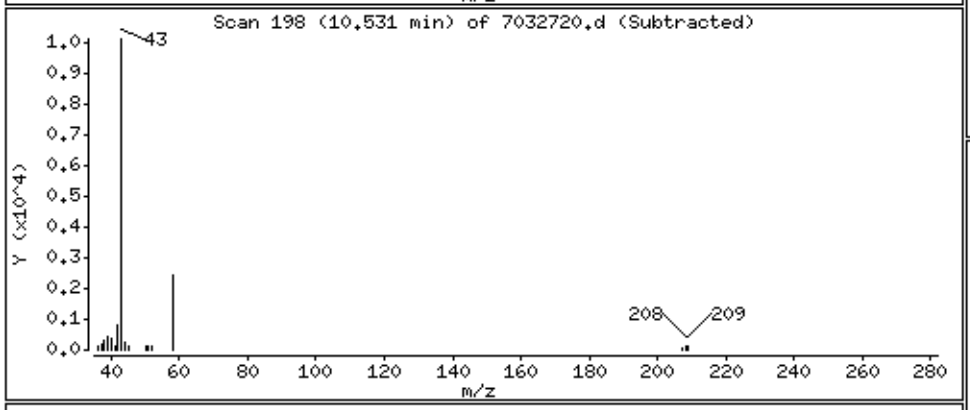
Column diameter: 0.53

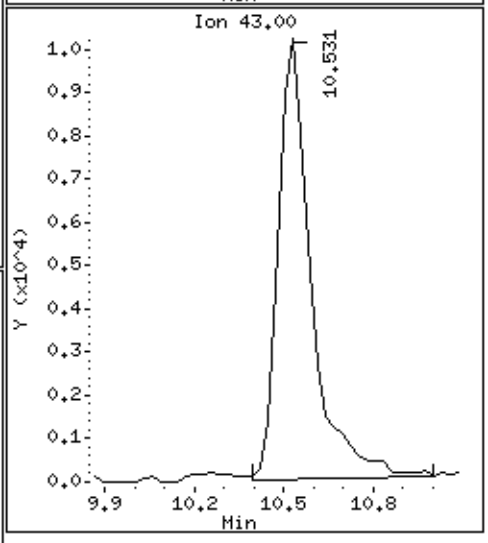
45 Acetone

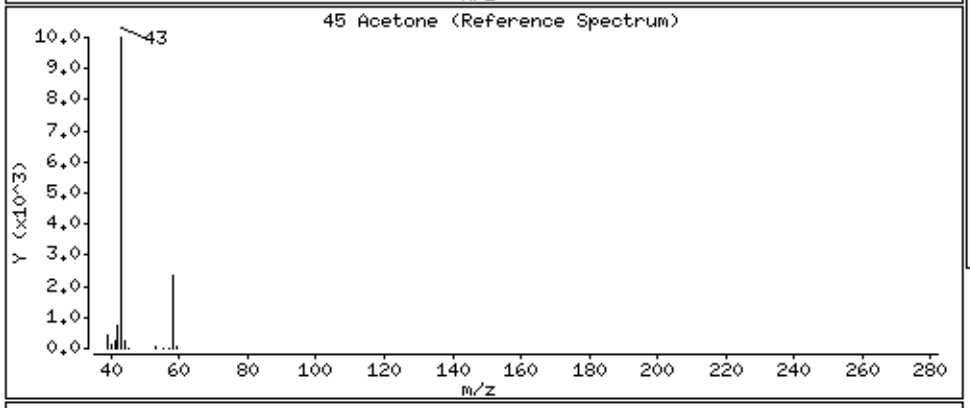
Concentration: 4.152 PPBV

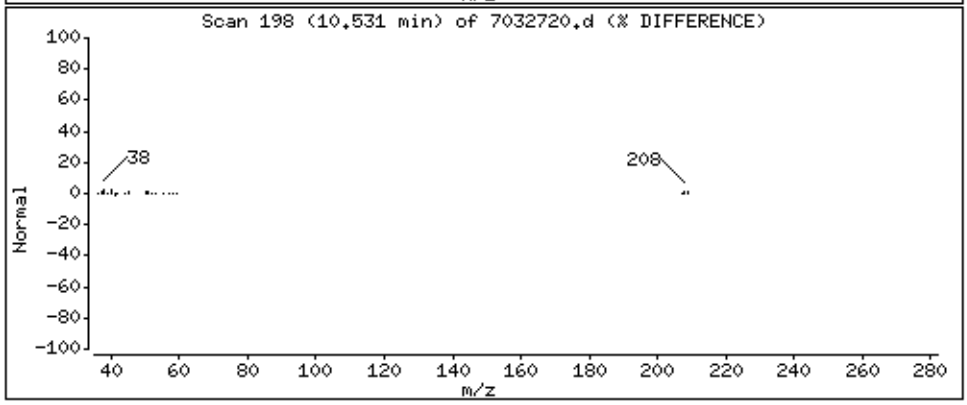












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: BS031407-Downwind

Lab ID#: 0703408-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.3	11	7.8	27
2-Butanone (Methyl Ethyl Ketone)	0.82	2.1	2.4	6.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-Downwind

Lab ID#: 0703408-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032721**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.64**	**Date of Analysis: 3/28/07 01:50 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Bromomethane	0.82	Not Detected	3.2	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-Downwind

Lab ID#: 0703408-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032721**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.64**	**Date of Analysis: 3/28/07 01:50 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.82	Not Detected	3.4	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
Chloromethane	3.3	Not Detected	6.8	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Acetone	3.3	11	7.8	27
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	2.1	2.4	6.3
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
2-Hexanone	3.3	Not Detected	13	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
Ethanol	3.3	Not Detected	6.2	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032721.d
Lab Smp Id: 0703408-02A
Inj Date : 28-MAR-2007 01:50
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #33919
Misc Info : 5.5"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 28-Mar-2007 13:47 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1
Dil Factor: 1.64000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	253866	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	195864			27.80- 127.80	77.15
14.430	14.402 (1.000)	49	526963			223.58- 323.58	207.57
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	1015027	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	168614			0.00- 66.82	16.61
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	729687	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	464070			14.01- 114.01	63.60
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.536	15.508 (1.077)	65	383318	24.2048	24.205	80.00- 120.00	100.00
15.536	15.508 (1.077)	67	197580			3.94- 103.94	51.54
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	985115	24.2505	24.250	80.00- 120.00	100.00
18.799	18.771 (1.160)	70	113546			0.00- 61.60	11.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	651381			16.47- 116.47	66.12
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	410735	24.1197	24.120	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	547602			84.54- 184.54	133.32
23.361	23.361 (1.093)	176	395411			47.45- 147.45	96.27
45 Acetone					CAS #: 67-64-1		
10.532	10.504 (0.730)	58	63085	6.93572	11.374	80.00- 120.00	100.00
10.532	10.476 (0.730)	43	218171			299.51- 399.51	345.84
75 2-Butanone					CAS #: 78-93-3		
13.932	13.905 (0.966)	72	9589	1.29435	2.123	80.00- 120.00	100.00
13.932	13.905 (0.966)	43	53288			493.22- 593.22	555.73
13.932	13.905 (0.966)	57	3722			0.00- 86.19	38.82

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032721.d
Lab Smp Id: 0703408-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 5.5"Hg -> 5psi

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	253866	-3.53
97 1,4-Difluorobenze	1085284	651170	1519398	1015027	-6.47
126 Chlorobenzene-d5	843196	505918	1180474	729687	-13.46

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.

Report Date: 29-Mar-2007 15:18

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703408-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 5.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.205	96.82	70-130
$ 113 Toluene-d8	25.000	24.250	97.00	70-130
$ 137 Bromofluorobenzene	25.000	24.120	96.48	70-130

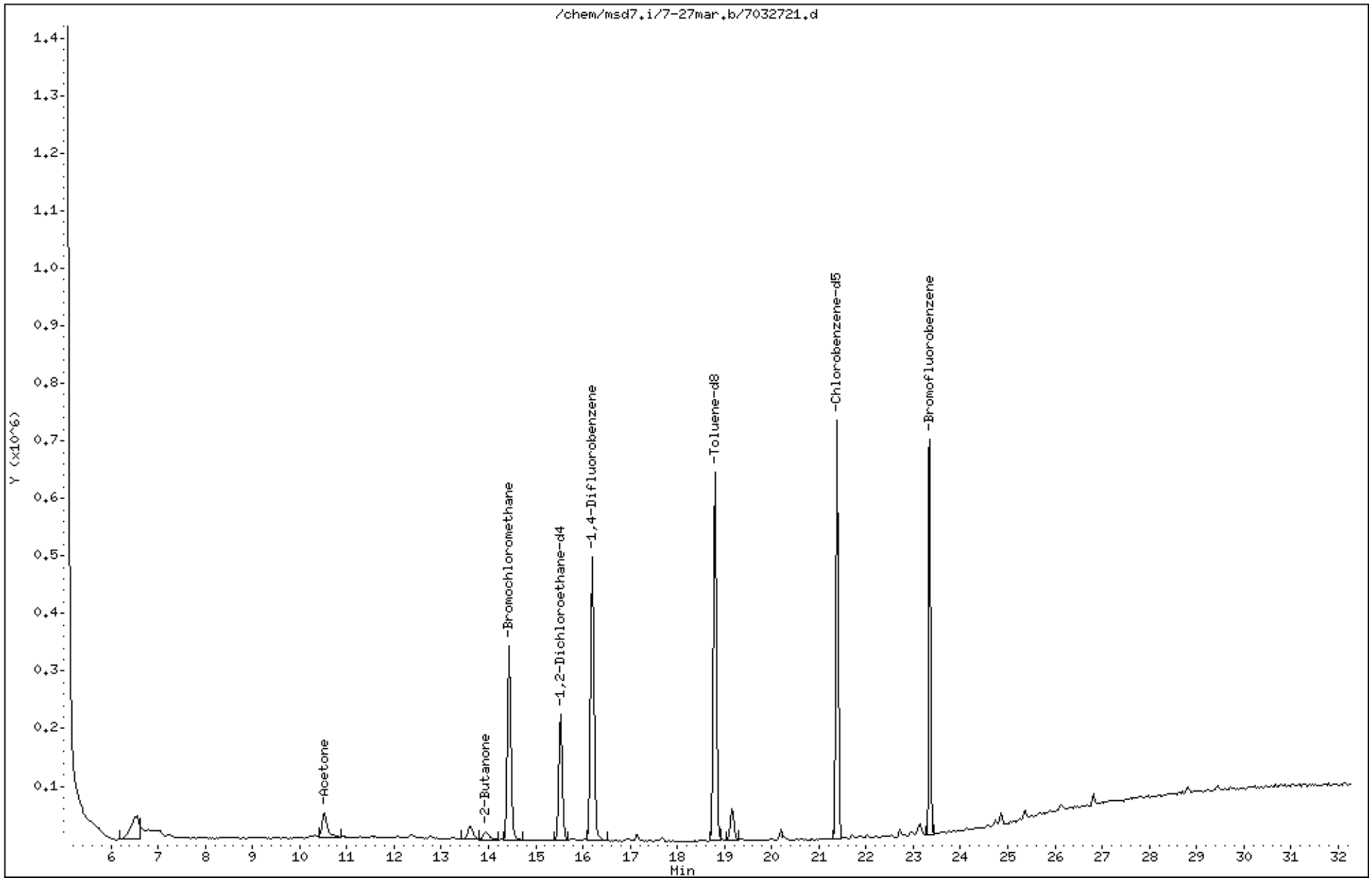
0022

Data File: /chem/msd7.i/7-27mar.b/7032721.d
Date : 28-MAR-2007 01:50
Client ID:
Sample Info: 200mL #33919

Instrument: msd7.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd7.i/7-27mar.b/7032721.d

Date : 28-MAR-2007 01:50

Client ID:

Instrument: msd7.i

Sample Info: 200mL #33919

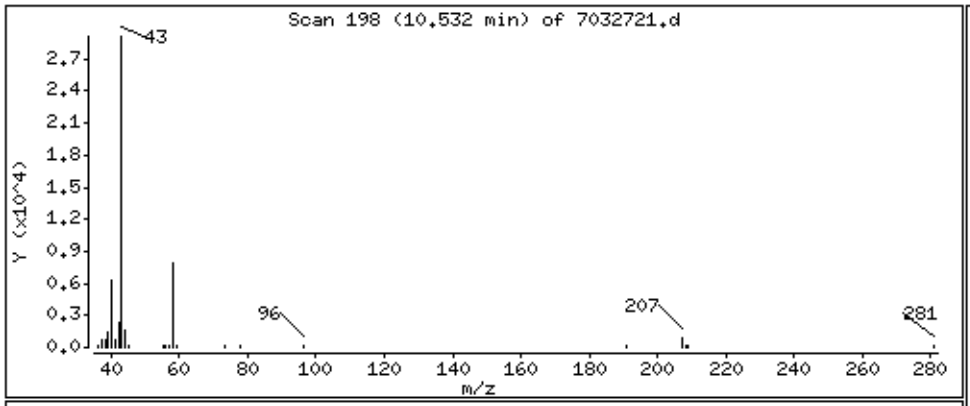
Operator: ab

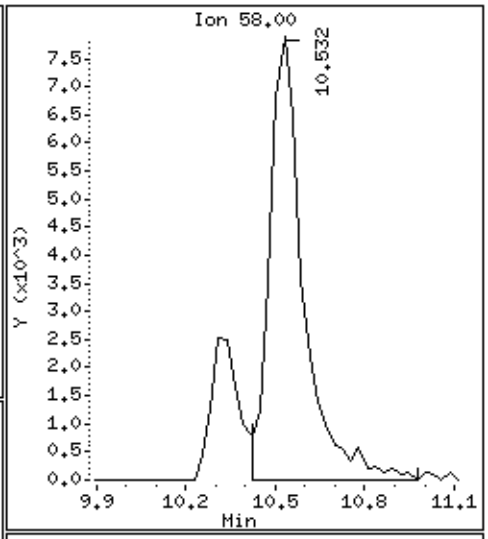
Column phase: RTx-624

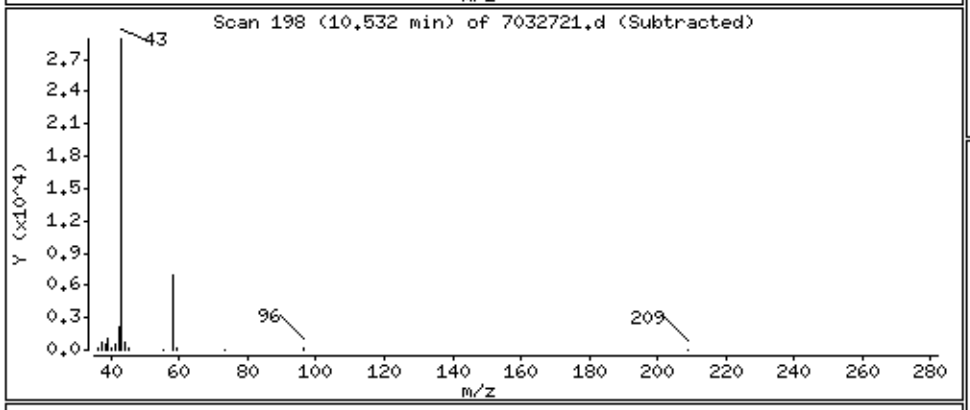
Column diameter: 0.53

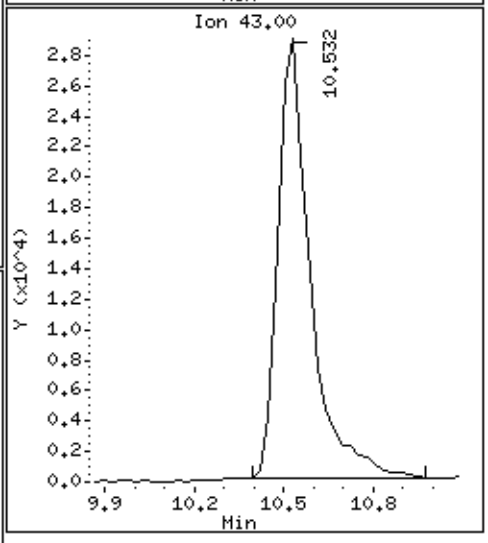
45 Acetone

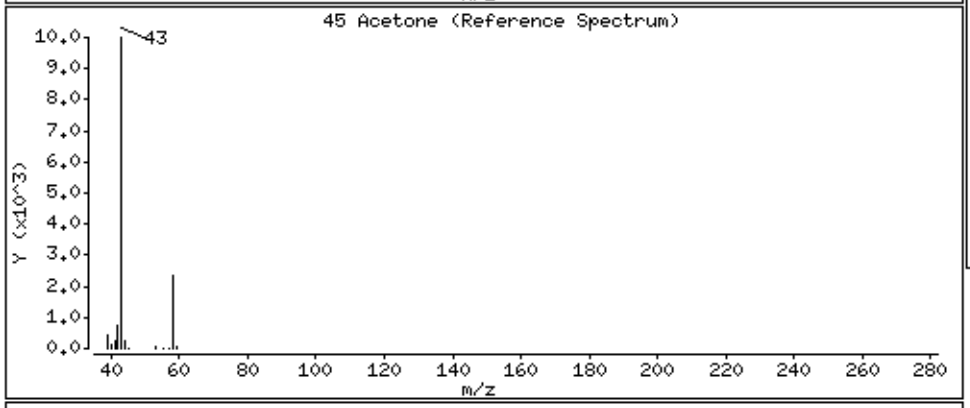
Concentration: 11.374 PPBV

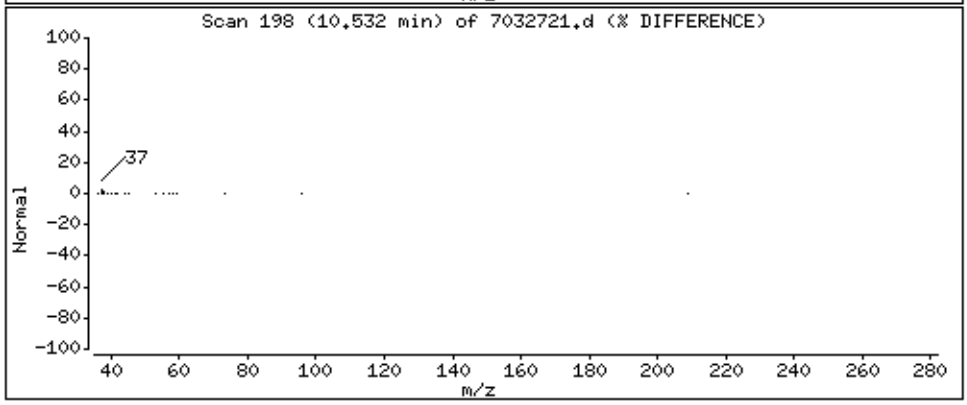












Data File: /chem/msd7.i/7-27mar.b/7032721.d

Date : 28-MAR-2007 01:50

Client ID:

Instrument: msd7.i

Sample Info: 200mL #33919

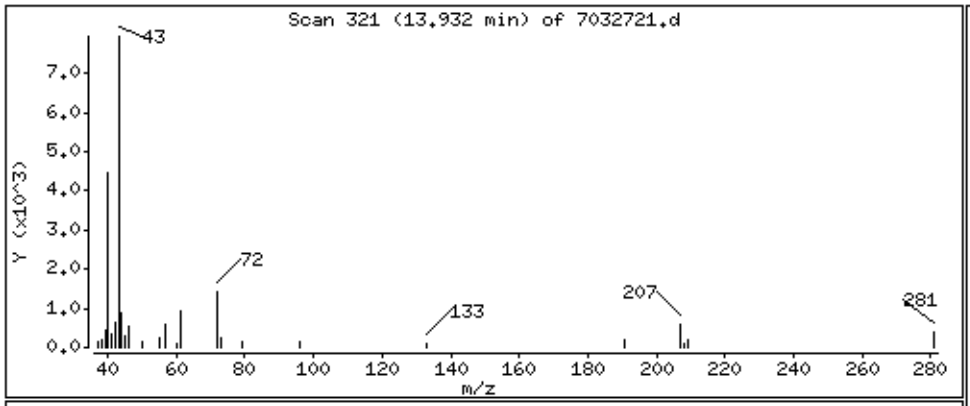
Operator: ab

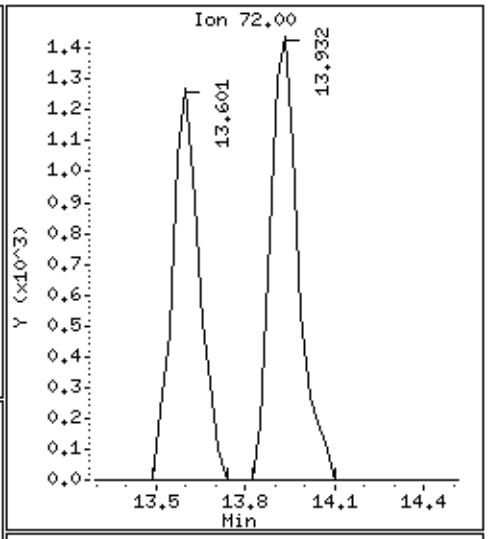
Column phase: RTx-624

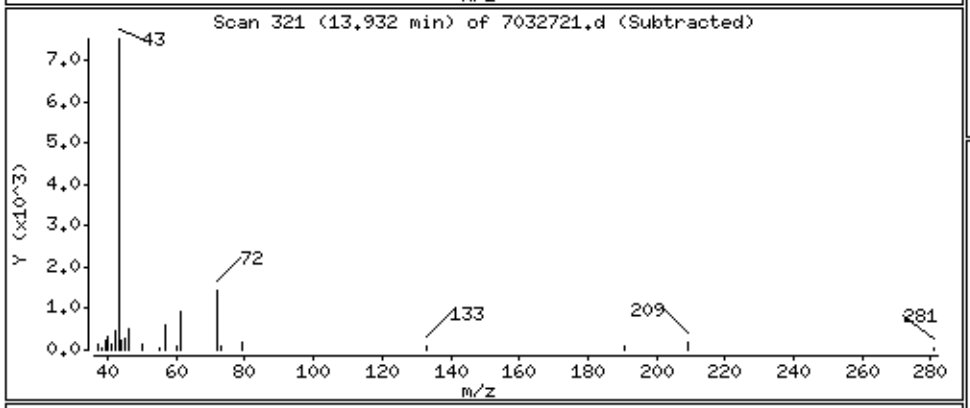
Column diameter: 0.53

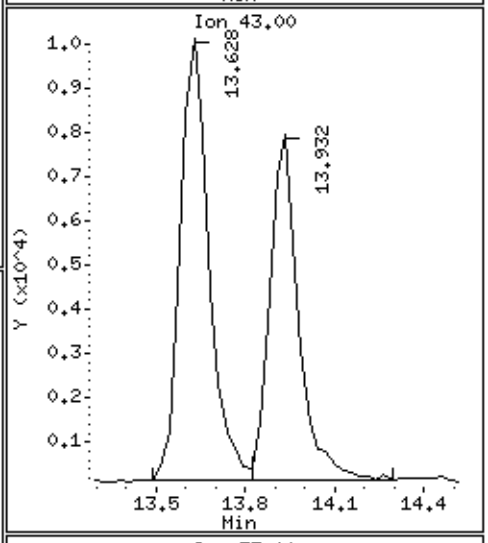
75 2-Butanone

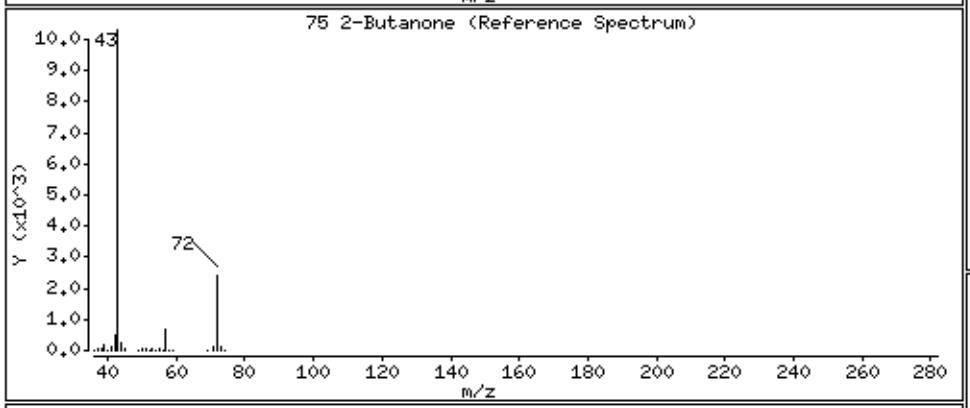
Concentration: 2.123 PPBV

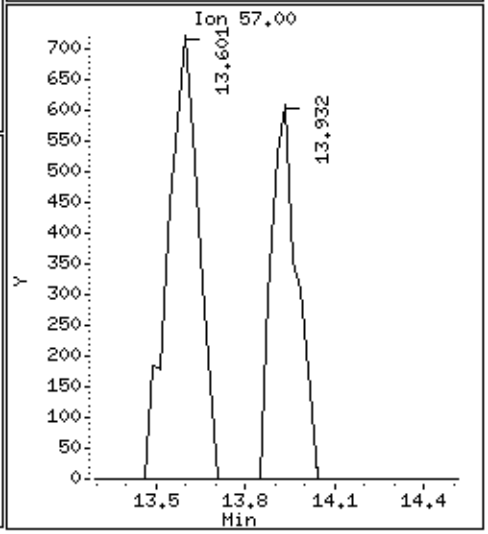


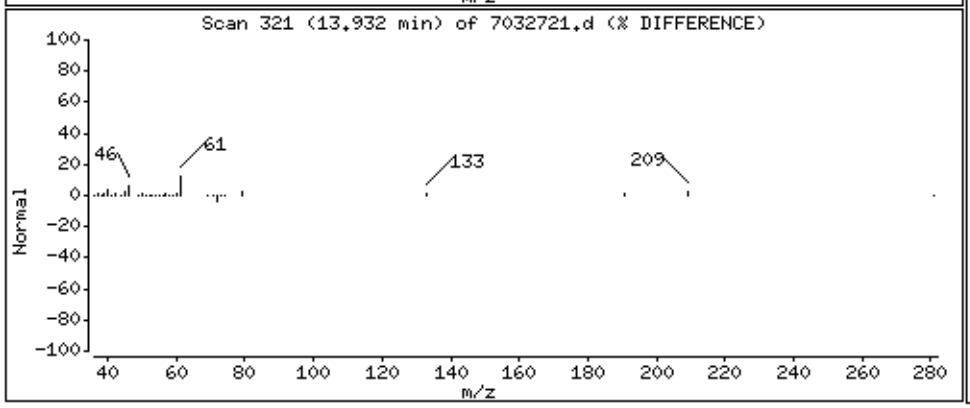












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: BS031407-TB

Lab ID#: 0703408-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	2.0	4.2	4.8	9.9
2-Butanone (Methyl Ethyl Ketone)	0.50	0.96	1.5	2.8

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-TB

Lab ID#: 0703408-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032722**	**Date of Collection:**	**3/14/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/28/07 02:39 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: BS031407-TB

Lab ID#: 0703408-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032722**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/28/07 02:39 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	4.2	4.8	9.9
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	0.96	1.5	2.8
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: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032722.d
Lab Smp Id: 0703408-03A
Inj Date : 28-MAR-2007 02:39
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #35992
Misc Info : 29.0"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 28-Mar-2007 13:47 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1
Dil Factor: 1.00000
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

	RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
*	81 Bromochloromethane					CAS #: 74-97-5		
	14.430	14.402 (1.000)	130	253757	25.0000		80.00- 120.00	100.00
	14.430	14.402 (1.000)	128	194743			27.80- 127.80	76.74
	14.430	14.402 (1.000)	49	522321			223.58- 323.58	205.84
*	97 1,4-Difluorobenzene					CAS #: 540-36-3		
	16.200	16.172 (1.000)	114	1023482	25.0000		80.00- 120.00	100.00
	16.200	16.172 (1.000)	88	167878			0.00- 66.82	16.40
*	126 Chlorobenzene-d5					CAS #: 3114-55-4		
	21.370	21.370 (1.000)	117	760956	25.0000		80.00- 120.00	100.00
	21.370	21.370 (1.000)	82	491317			14.01- 114.01	64.57
$	90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	15.508	15.508 (1.075)	65	385513	24.3539	24.354	80.00- 120.00	100.00
	15.508	15.508 (1.075)	67	195659			3.94- 103.94	50.75
$	113 Toluene-d8					CAS #: 2037-26-5		
	18.799	18.771 (1.160)	98	1008878	24.6303	24.630	80.00- 120.00	100.00
	18.799	18.771 (1.160)	70	119477			0.00- 61.60	11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	676246			16.47- 116.47	67.03
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	429969	24.2117	24.212	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	590248			84.54- 184.54	137.28
23.361	23.361 (1.093)	176	418648			47.45- 147.45	97.37
45 Acetone					CAS #: 67-64-1		
10.531	10.504 (0.730)	58	37886	4.16707	4.167	80.00- 120.00	100.00
10.531	10.476 (0.730)	43	127615			299.51- 399.51	336.83
75 2-Butanone					CAS #: 78-93-3		
13.932	13.905 (0.966)	72	7096	0.95825	0.9582	80.00- 120.00	100.00
13.932	13.905 (0.966)	43	42396			493.22- 593.22	597.40
13.932	13.905 (0.966)	57	2456			0.00- 86.19	34.62

Report Date: 29-Mar-2007 15:18

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032722.d
Lab Smp Id: 0703408-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 29.0"Hg -> 5psi

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	253757	-3.57
97 1,4-Difluorobenze	1085284	651170	1519398	1023482	-5.69
126 Chlorobenzene-d5	843196	505918	1180474	760956	-9.75

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.

Report Date: 29-Mar-2007 15:18

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703408-03A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 29.0"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.354	97.42	70-130
$ 113 Toluene-d8	25.000	24.630	98.52	70-130
$ 137 Bromofluorobenzene	25.000	24.212	96.85	70-130

Data File: /chem/msd7.i/7-27mar.b/7032722.d

Date : 28-MAR-2007 02:39

Client ID:

Sample Info: 200mL #35992

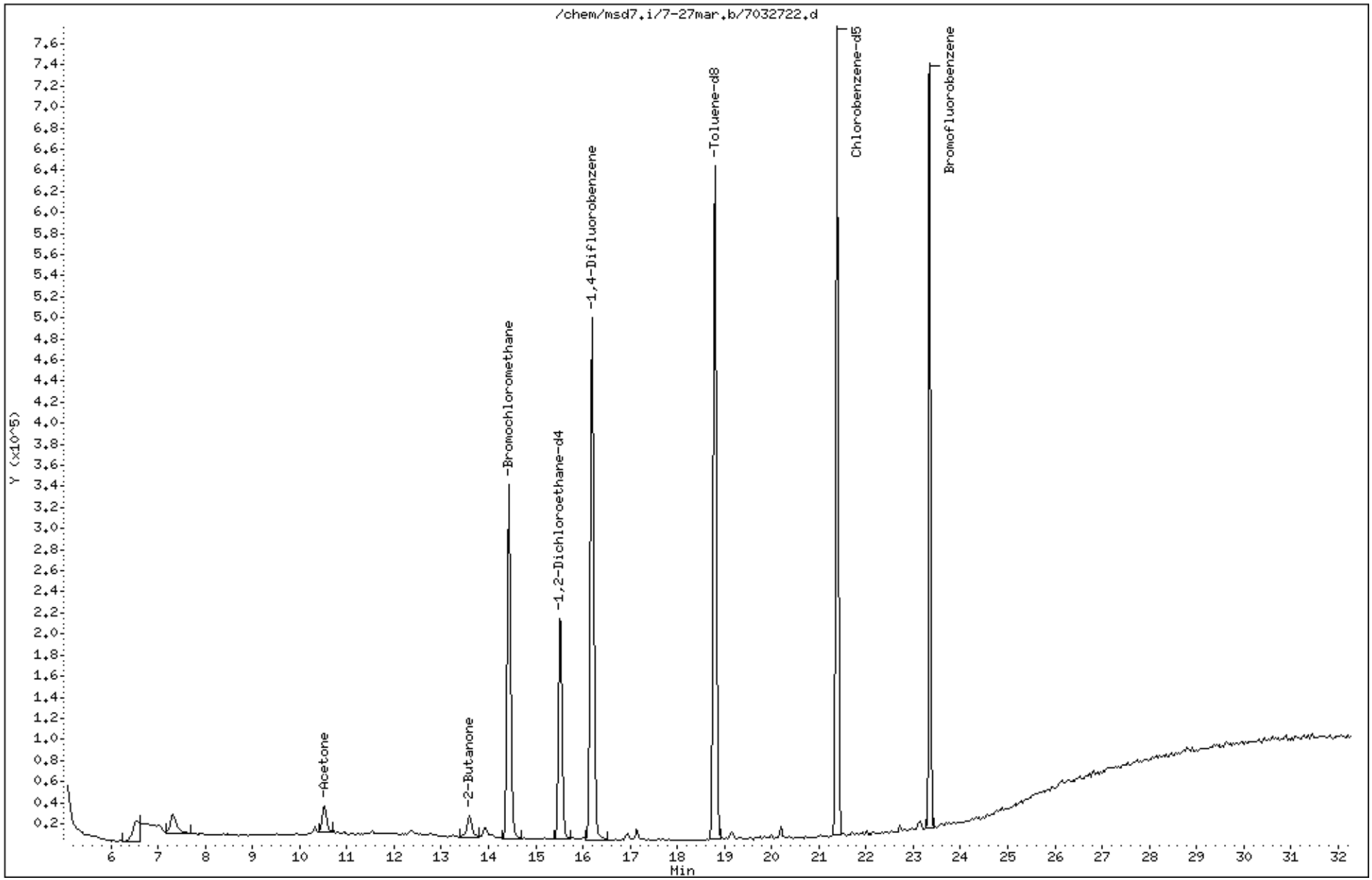
Column phase: RTx-624

Instrument: msd7.i

Operator: ab

Column diameter: 0.53

0032



Data File: /chem/msd7.i/7-27mar.b/7032722.d

Date : 28-MAR-2007 02:39

Client ID:

Instrument: msd7.i

Sample Info: 200mL #35992

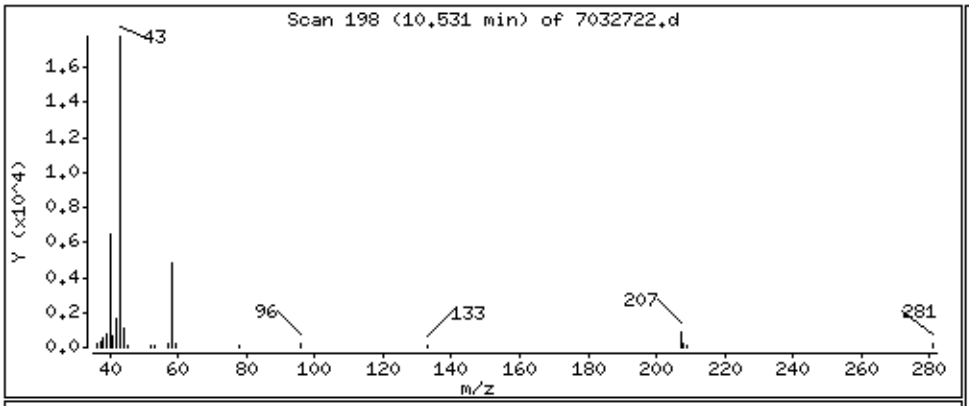
Operator: ab

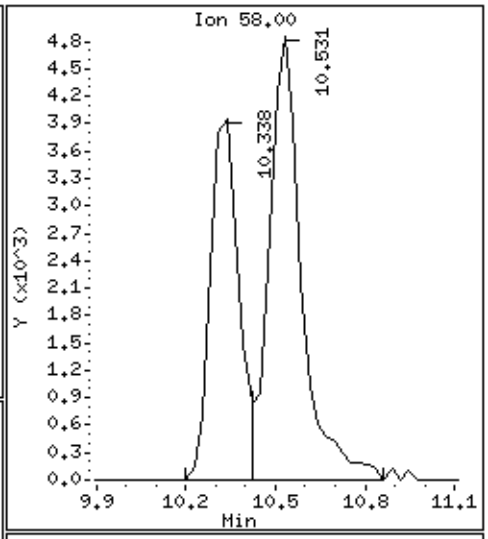
Column phase: RTx-624

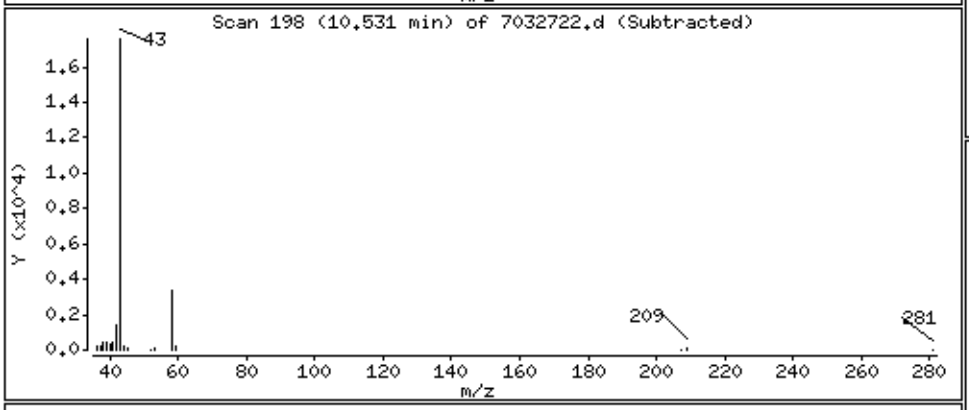
Column diameter: 0.53

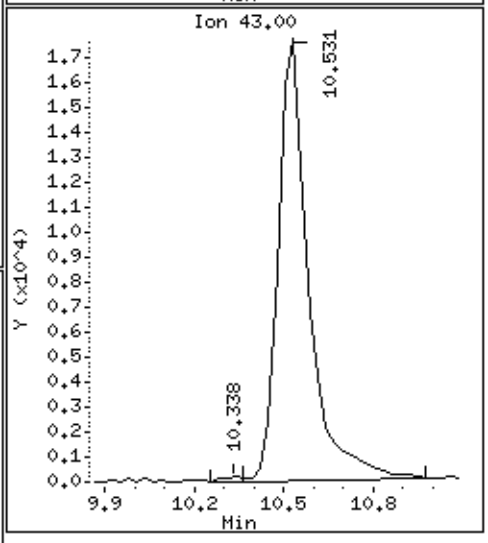
45 Acetone

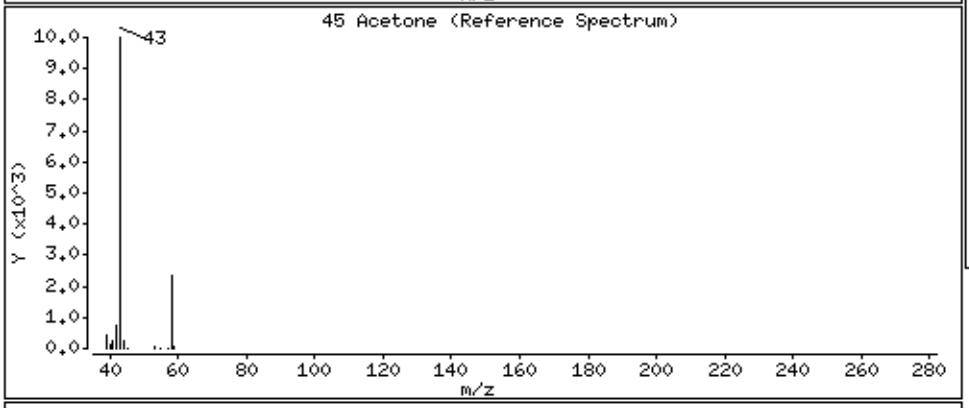
Concentration: 4.167 PPBV

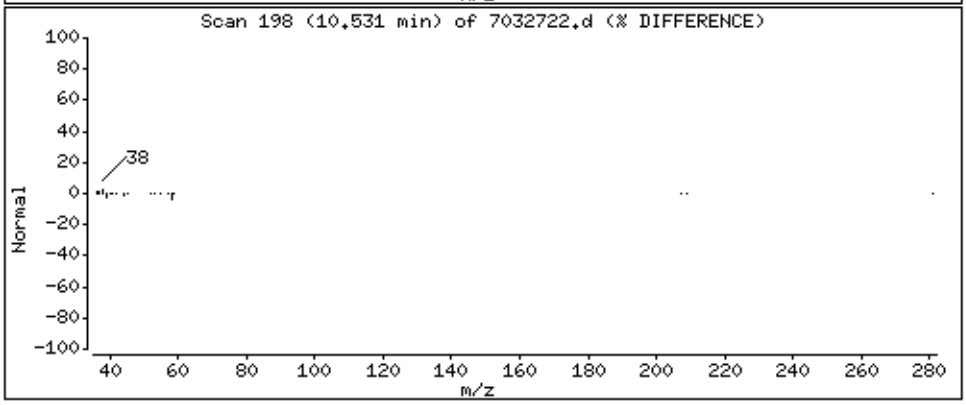












Data File: /chem/msd7.i/7-27mar.b/7032722.d

Date : 28-MAR-2007 02:39

Client ID:

Instrument: msd7.i

Sample Info: 200mL #35992

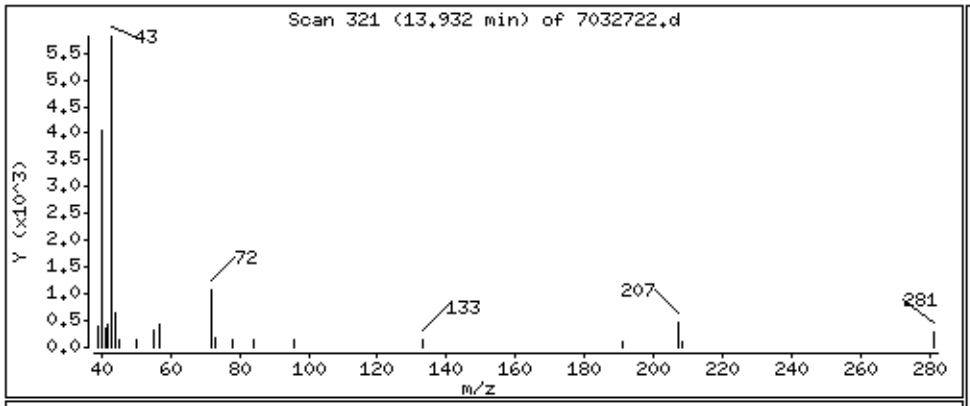
Operator: ab

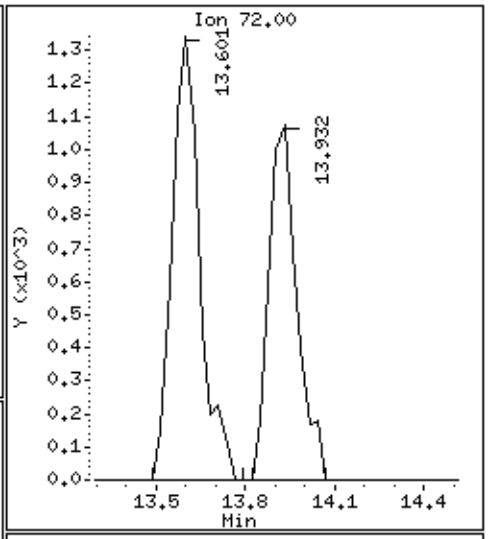
Column phase: RTx-624

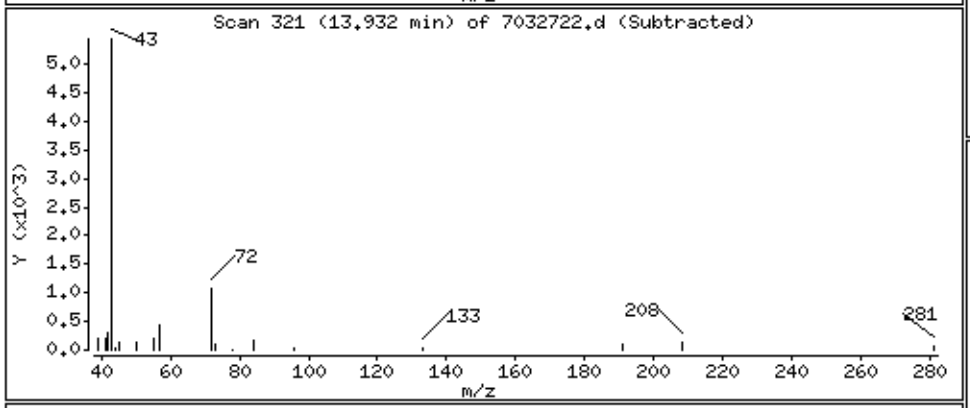
Column diameter: 0.53

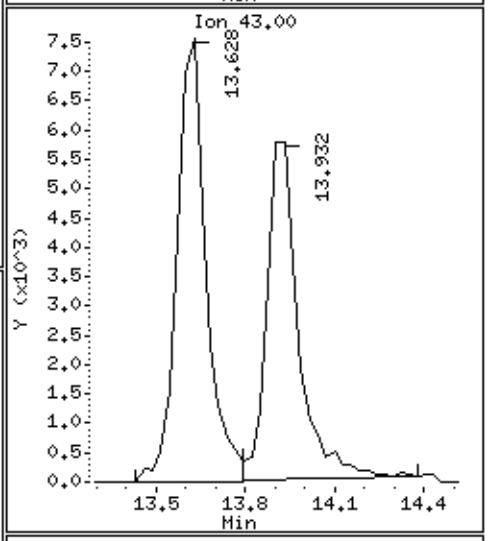
75 2-Butanone

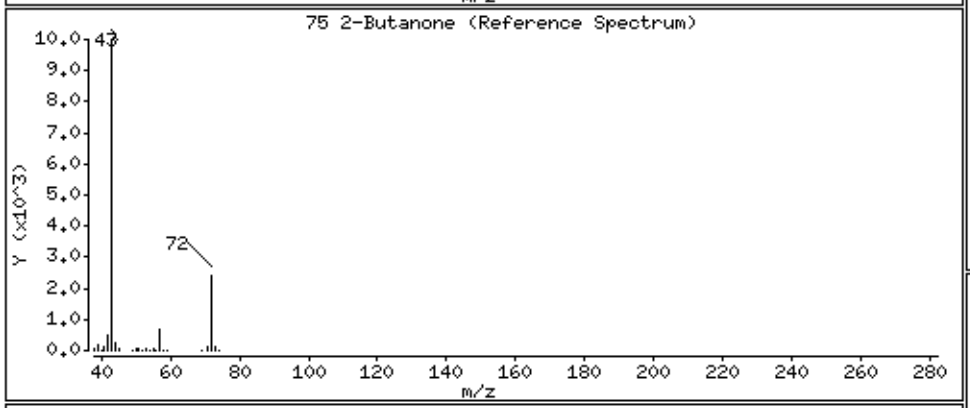
Concentration: 0.9582 PPBV

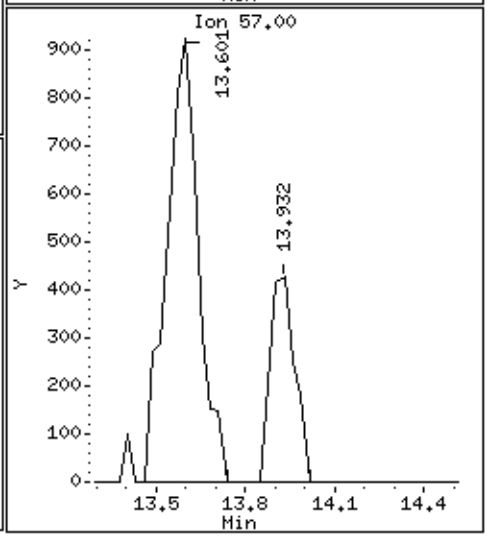


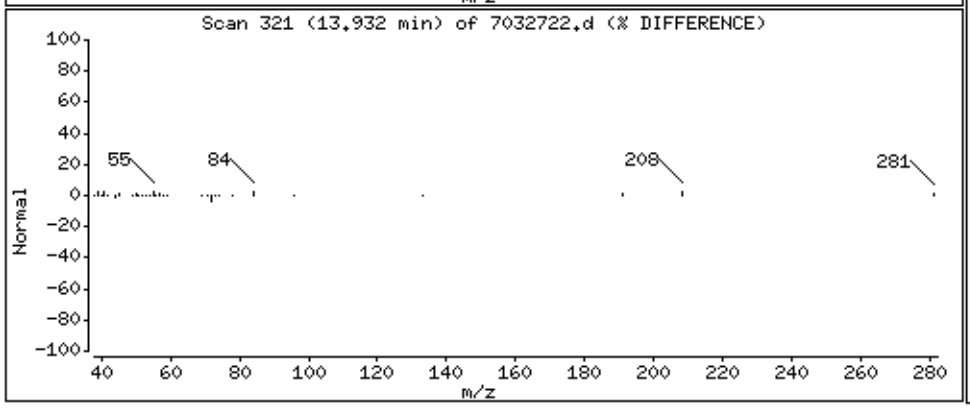












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: BS031407-XX

Lab ID#: 0703408-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.3	7.4	7.8	17

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-XX

Lab ID#: 0703408-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032723**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.64**	**Date of Analysis: 3/28/07 03:38 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Bromomethane	0.82	Not Detected	3.2	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BS031407-XX

Lab ID#: 0703408-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032723**	**Date of Collection: 3/14/07**	
Dil. Factor:	**1.64**	**Date of Analysis: 3/28/07 03:38 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.82	Not Detected	3.4	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
Chloromethane	3.3	Not Detected	6.8	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Acetone	3.3	7.4	7.8	17
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
2-Hexanone	3.3	Not Detected	13	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
Ethanol	3.3	Not Detected	6.2	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032723.d
Lab Smp Id: 0703408-04A
Inj Date : 28-MAR-2007 03:38
Operator : ab Inst ID: msd7.i
Smp Info : 200mL #31433
Misc Info : 5.5"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 28-Mar-2007 13:47 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1
Dil Factor: 1.64000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	253926	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	198064			27.80- 127.80	78.00
14.430	14.402 (1.000)	49	526422			223.58- 323.58	207.31
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	1023790	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	172602			0.00- 66.82	16.86
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	763709	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	487745			14.01- 114.01	63.87
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	381207	24.0658	24.066	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	195509			3.94- 103.94	51.29
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	1023478	24.9793	24.979	80.00- 120.00	100.00
18.799	18.771 (1.160)	70	118480			0.00- 61.60	11.58

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	674093			16.47- 116.47	65.86
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	424345	23.8088	23.809	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	576334			84.54- 184.54	135.82
23.361	23.361 (1.093)	176	412729			47.45- 147.45	97.26
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	40849	4.48998	7.364	80.00- 120.00	100.00
10.504	10.476 (0.728)	43	150498			299.51- 399.51	368.42

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032723.d
Lab Smp Id: 0703408-04A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 5.5"Hg -> 5psi

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	253926	-3.51
97 1,4-Difluorobenze	1085284	651170	1519398	1023790	-5.67
126 Chlorobenzene-d5	843196	505918	1180474	763709	-9.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.

Report Date: 29-Mar-2007 15:19

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703408-04A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 5.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.066	96.26	70-130
$ 113 Toluene-d8	25.000	24.979	99.92	70-130
$ 137 Bromofluorobenzene	25.000	23.809	95.24	70-130

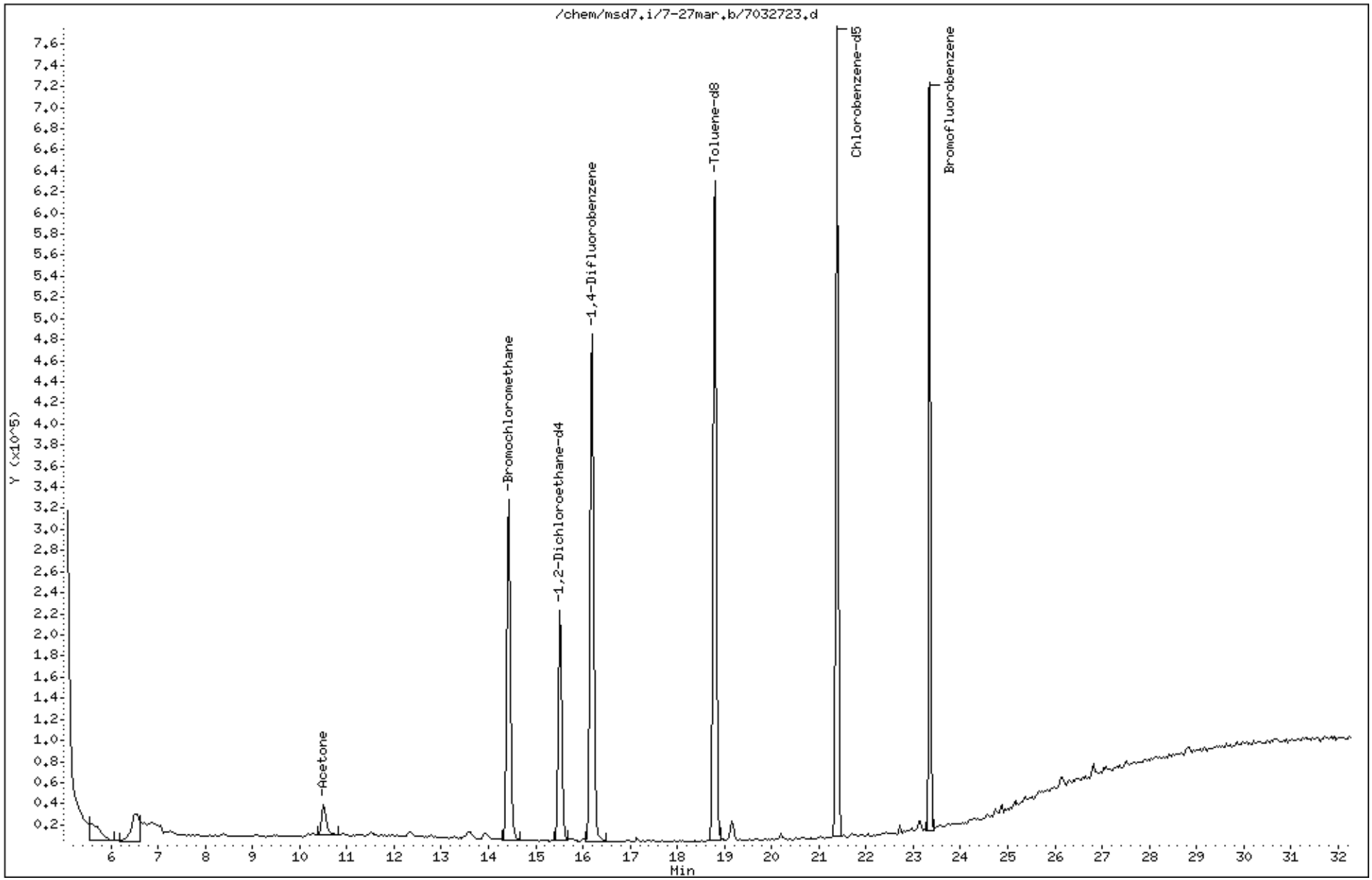
0042

Data File: /chem/msd7.i/7-27mar.b/7032723.d
Date : 28-MAR-2007 03:38
Client ID:
Sample Info: 200mL #31433

Instrument: msd7.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd7.i/7-27mar.b/7032723.d

Date : 28-MAR-2007 03:38

Client ID:

Instrument: msd7.i

Sample Info: 200mL #31433

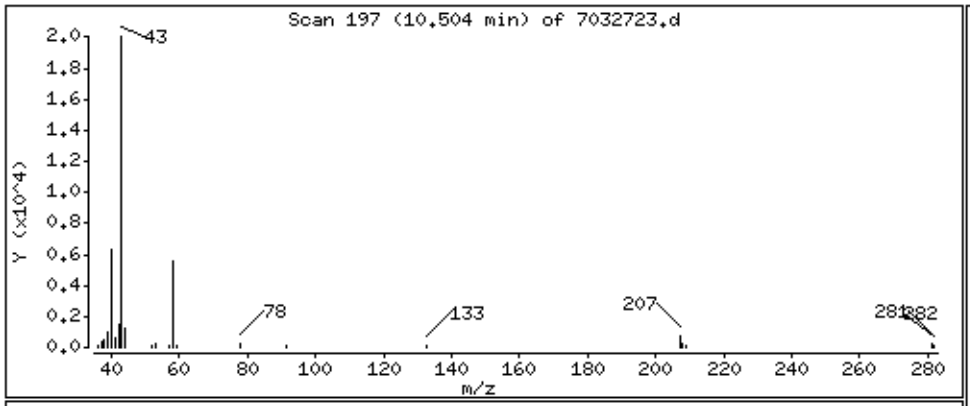
Operator: ab

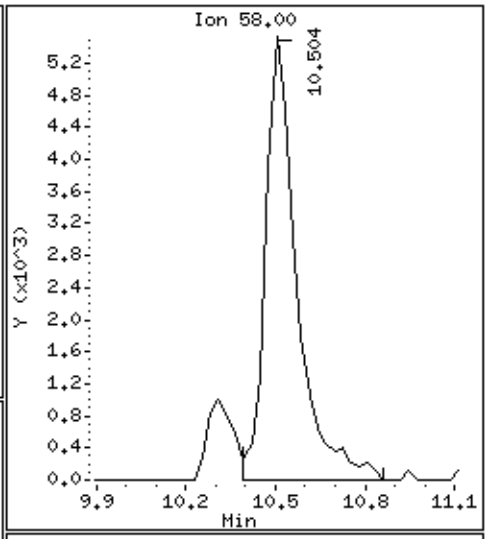
Column phase: RTx-624

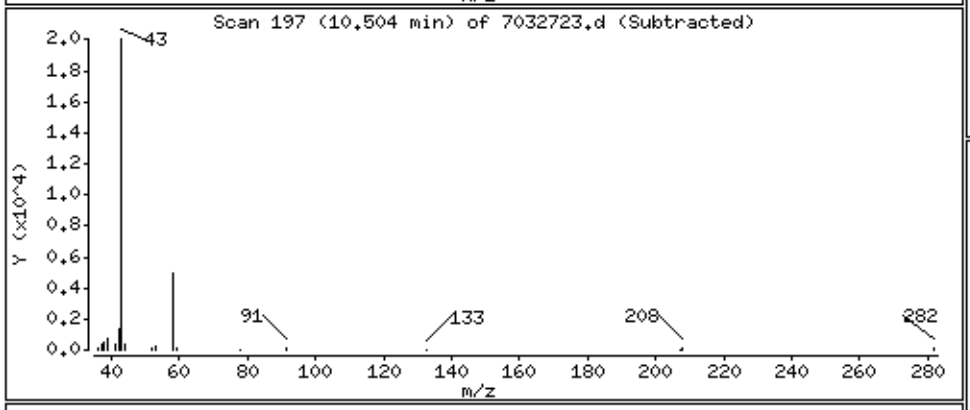
Column diameter: 0.53

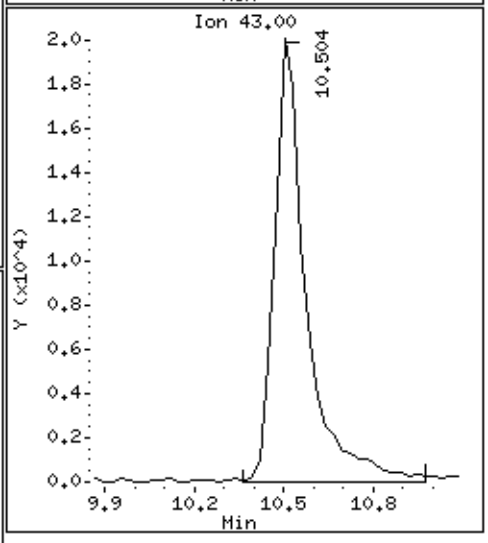
45 Acetone

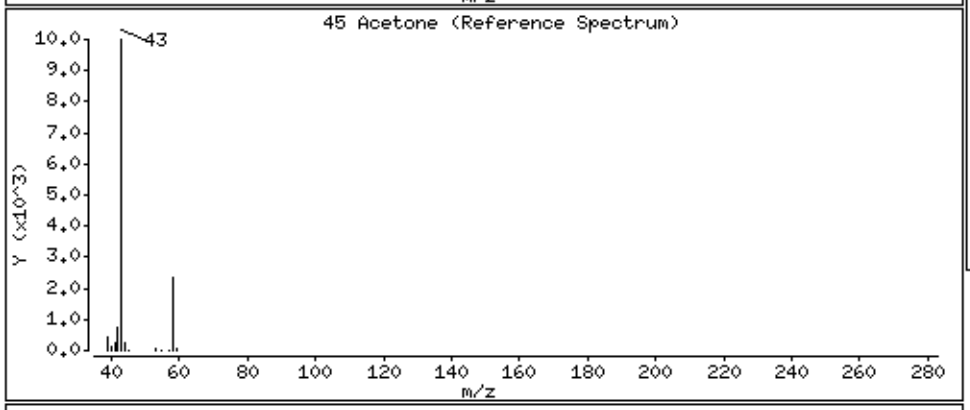
Concentration: 7.364 PPBV

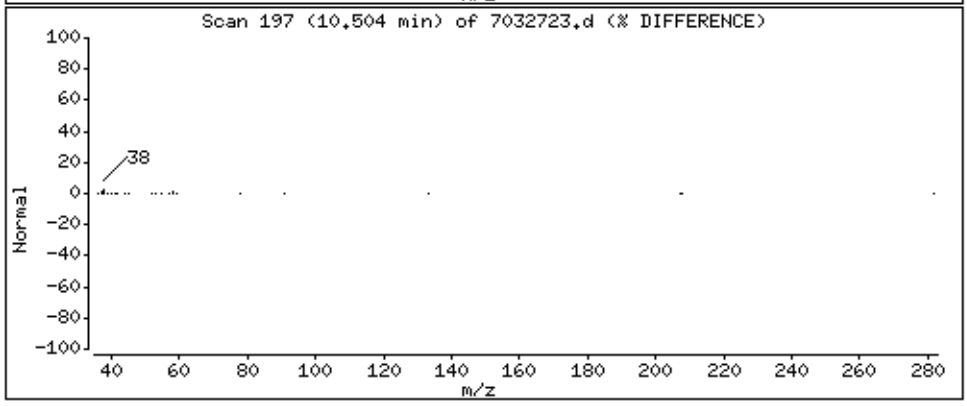












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0703408-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032705**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 11:25 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#: 0703408-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032705**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 11:25 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	102	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032705.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 27-MAR-2007 11:25
Operator : lo Inst ID: msd7.i
Smp Info : 200mL #34190
Misc Info : Humid
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 27-Mar-2007 11:01 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	262263	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	201717			27.80- 127.80	76.91
14.430	14.402 (1.000)	49	541985			223.58- 323.58	206.66
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	1068465	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	177874			0.00- 66.82	16.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	845914	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	538967			14.01- 114.01	63.71
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.509	15.508 (1.075)	65	397653	24.3060	24.306	80.00- 120.00	100.00
15.509	15.508 (1.075)	67	204869			3.94- 103.94	51.52
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	1090503	25.5022	25.502	80.00- 120.00	100.00
18.799	18.771 (1.160)	70	124794			0.00- 61.60	11.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	720881			16.47- 116.47	66.11
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	484481	24.5413	24.541	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	659820			84.54- 184.54	136.19
23.361	23.361 (1.093)	176	466446			47.45- 147.45	96.28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032705.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: Humid

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	262263	-0.34
97 1,4-Difluorobenze	1085284	651170	1519398	1068465	-1.55
126 Chlorobenzene-d5	843196	505918	1180474	845914	0.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.

Report Date: 27-Mar-2007 11:48

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: lo
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.306	97.22	70-130
$ 113 Toluene-d8	25.000	25.502	102.01	70-130
$ 137 Bromofluorobenzene	25.000	24.541	98.17	70-130

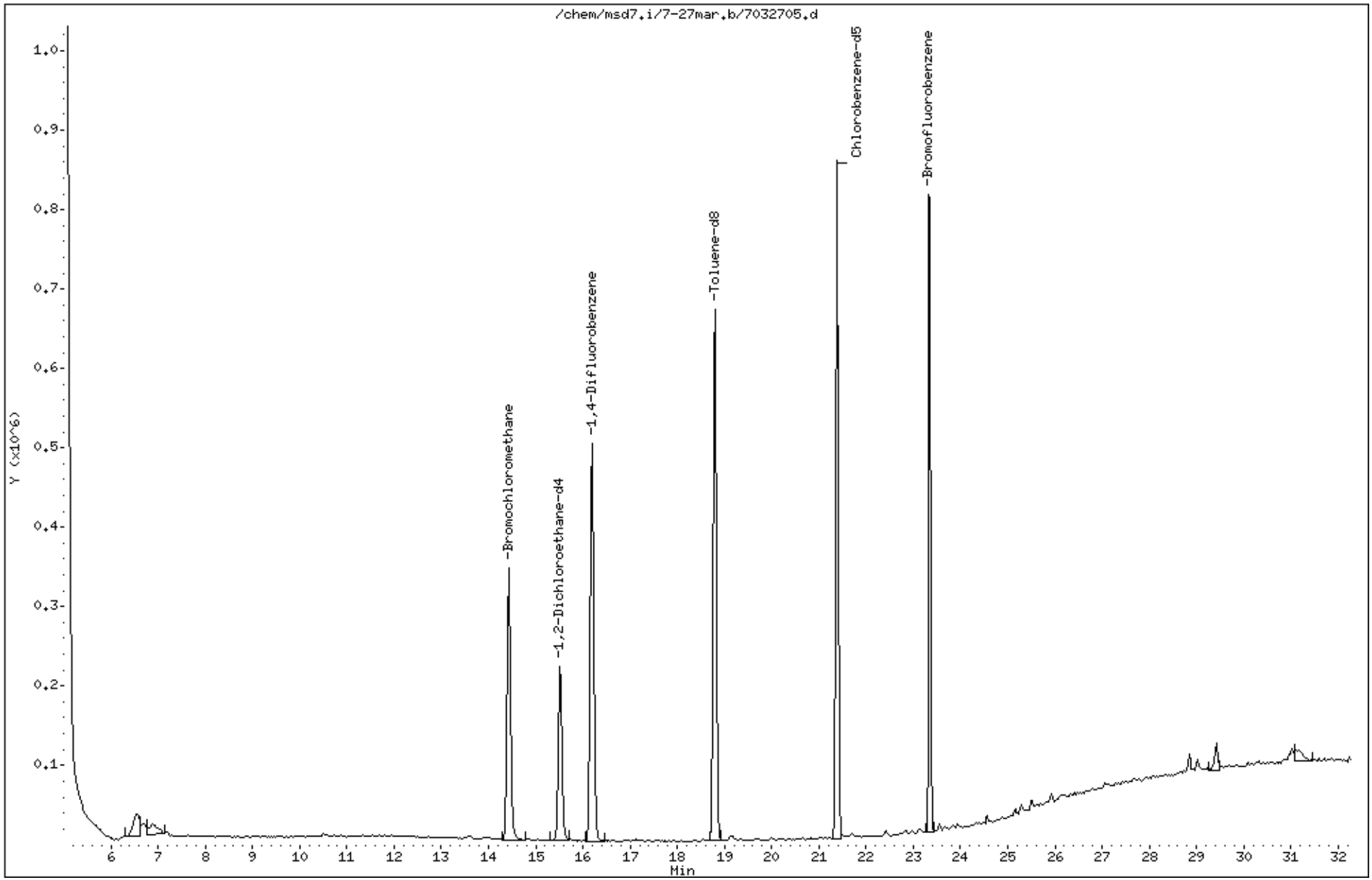
0051

Data File: /chem/msd7.i/7-27mar.b/7032705.d
Date : 27-MAR-2007 11:25
Client ID: Lab Blank
Sample Info: 200mL #34190

Column phase: RTx-624

Instrument: msd7.i

Operator: lo
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0703408

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	BS031407-Upwind	98		100		96				0
02	BS031407-Downwind	97		97		96				0
03	BS031407-TB	97		98		97				0
04	BS031407-XX	96		100		95				0
05	Lab Blank	97		102		98				0
06	CCV	99		102		100				0
07	LCS	99		101		99				0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0703408
Lab File ID: 7032702.d
Date Analyzed: 03/27/2007
Instrument ID: msd7.i
Time Analyzed: 09:13 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	843196		21.37		1085284		16.17		263155		14.4	
	UPPER LIMIT	1180474		21.70		1519398		16.50		368417		14.73	
	LOWER LIMIT	505918		21.04		651170		15.84		157893		14.07	
	CLIENT SAMPLE NO												
01	BS031407-Upwind	781442		21.37		1022781		16.2		253764		14.43	
02	BS031407-Downwind	729687		21.37		1015027		16.2		253866		14.43	
03	BS031407-TB	760956		21.37		1023482		16.2		253757		14.43	
04	BS031407-XX	763709		21.37		1023790		16.2		253926		14.43	
05	Lab Blank	845914		21.37		1068465		16.2		262263		14.43	
06	CCV	843196		21.37		1085284		16.17		263155		14.4	
07	LCS	835616		21.37		1096500		16.2		264973		14.43	
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 : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd7.i/7-26mar.b/7032605.d
Level 2: /chem/msd7.i/7-26mar.b/7032606.d
Level 3: /chem/msd7.i/7-26mar.b/7032607.d
Level 4: /chem/msd7.i/7-26mar.b/7032608.d
Level 5: /chem/msd7.i/7-26mar.b/7032609.d
Level 6: /chem/msd7.i/7-26mar.b/7032610.d
Level 7: /chem/msd7.i/7-26mar.b/7032611.d

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Propylene	+++++	+++++	1.71398	1.74520	1.71121	1.65184		
	1.63277						1.69100	2.774
12 Dichlorodifluoromethane/Fr12	+++++	3.83791	3.90656	4.47317	4.29214	4.00425		
	3.88076						4.06580	6.343
13 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
15 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
16 Freon 114	+++++	2.32042	2.40145	2.79190	2.66996	2.51151		
	2.11154						2.46780	9.940
17 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Chloromethane	+++++	+++++	1.72967	2.05067	1.90869	1.78466	1.80061	1.85486	6.861
19 Butane	+++++	+++++	0.36006	0.39606	0.36024	0.35077	0.35064	0.36355	5.164
20 Vinyl Chloride	+++++	1.61488	1.91360	2.10349	2.03840	1.93357	1.89007	1.91567	8.791
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 1,3-Butadiene	+++++	0.89225	1.31886	1.66373	1.62631	1.56346	1.56148	1.43768	20.385
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Bromomethane	+++++	0.89859	1.20922	1.19132	1.15289	1.08649	1.04800	1.09775	10.505
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Chloroethane	+++++	0.50942	0.61812	0.93354	0.94041	0.96474	0.98127	0.82458	24.939

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Isopentane	+++++	+++++	2.82601	3.01250	2.90218	2.77527	2.76075	2.85534	3.636
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	2.81485	3.59649	4.03312	3.86422	3.68950	3.65680	3.60916	11.654
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 Ethanol	+++++	+++++	0.68195	0.75980	0.77368	0.72441	0.63472	0.71491	7.998
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon 113	+++++	1.62410	2.08769	2.33311	2.22837	2.13984	2.09817	2.08521	11.702
43 1,1-Dichloroethene	+++++	2.16559	2.87090	3.15704	3.02307	2.89675	2.87429	2.83128	12.171
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Acetone	+++++	+++++	0.83701	0.94129	0.91567	0.89202	0.89259	0.89572	4.304
46 2-Propanol	+++++	+++++	3.24365	3.92171	3.89872	3.79724	3.83190	3.73864	7.521
47 Carbon Disulfide	+++++	4.55209	5.21594	5.60739	5.42075	5.24682	5.15173	5.19912	6.877

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-26mar.b/t14q326a.m
Cal Date : 27-Mar-2007 07:13 lover
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
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 3-Chloropropene	+++++	+++++	0.79149	0.92518	0.90444	0.87448	0.98763	0.89664	8.023
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 Methylene Chloride	+++++	1.92510	2.33530	2.60769	2.50296	2.43623	2.45494	2.37704	10.037
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 tert-Butyl-Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
60 MTBE	+++++	3.20805	2.38891	2.64095	2.45778	2.14382		
	1.86704						2.45109	18.683
61 trans-1,2-Dichloroethene	+++++	1.15291	1.57640	1.90052	1.84589	1.74720		
	1.71730						1.65670	16.361
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
65 Hexane	+++++	2.42933	3.04694	3.57733	3.45779	3.31607		
	3.28187						3.18489	12.908
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
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	200.000 Level 7	___ RRF	% RSD
68 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
69 Vinyl Acetate	+++++	+++++	0.33148	0.41844	0.39487	0.39255	0.38910	0.38529	8.363
70 1,1-Dichloroethane	+++++	2.50732	3.21144	3.78777	3.63665	3.47589	3.40624	3.33755	13.541
71 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	+++++	0.34307	0.68026	0.85173	0.85101	0.82773	0.82353	0.72955	27.411
76 cis-1,2-Dichloroethene	+++++	1.72821	2.48189	2.84789	2.71394	2.59274	2.53670	2.48356	15.812
77 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 27-Mar-2007 07:13 lover
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
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 Tetrahydrofuran	+++++	1.88131	2.33176	2.76821	2.68698	2.60440	2.57810	2.47513	13.170
82 Chloroform	2.37185	2.08338	3.01105	3.44332	3.29696	3.13145	3.05888	2.91384	17.093
83 1,1,1-Trichloroethane	+++++	1.95891	2.49046	3.04607	2.94949	2.81034	2.77410	2.67156	14.859
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Cyclohexane	+++++	1.44527	1.92749	2.28948	2.18470	2.10101	2.04249	1.99841	14.893
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 Carbon Tetrachloride	+++++	1.83713	2.42232	2.79457	2.73713	2.62184	2.57932	2.49872	13.974
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
89 2,2,4-Trimethylpentane	+++++	5.84734	7.54358	8.85731	8.56756	8.18264	8.02788	7.83772	13.713
91 Benzene	0.91275	0.81386	1.16299	1.29751	1.25319	1.19185	1.14861	1.11154	16.146
92 tert-amyl-Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 1,2-Dichloroethane	+++++	0.39131	0.48857	0.58194	0.56079	0.53630	0.51679	0.51262	13.230
94 Heptane	+++++	0.25396	0.35689	0.40809	0.39223	0.38132	0.36764	0.36002	15.274
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
101 Trichloroethene	+++++	0.30963	0.44790	0.50381	0.48301	0.46516	0.44204	0.44193	15.544
102 Methyl Cyclohexane	+++++	1.73628	2.41099	2.81165	2.75318	2.62014	2.60579	2.48967	15.838
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
104 1,2-Dichloropropane	+++++	0.31961	0.43584	0.50749	0.49120	0.47116	0.45626	0.44693	15.055
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 1,4-Dioxane	+++++	+++++	0.22126	0.27243	0.26943	0.25590	0.25293	0.25439	7.993
107 Bromodichloromethane	+++++	0.54549	0.74164	0.85678	0.83745	0.80339	0.77045	0.75920	14.868
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.42600	0.59192	0.72132	0.70196	0.67493	0.65032	0.62774	17.302

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Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
111 4-Methyl-2-pentanone	+++++	0.23335	0.31741	0.40172	0.40402	0.38878	0.38489	0.35503	19.034
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Toluene	+++++	0.89634	1.15316	1.34645	1.29912	1.23798	1.18354	1.18610	13.396
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.59230	0.78556	0.93447	0.91517	0.88828	0.86955	0.83089	15.375
117 1,1,2-Trichloroethane	+++++	0.47346	0.54058	0.62007	0.59816	0.58501	0.56154	0.56313	9.227
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Tetrachloroethene	+++++	0.55182	0.66647	0.77126	0.73167	0.69772	0.65448	0.67890	11.134
121 2-Hexanone	+++++	+++++	0.51083	0.72786	0.72602	0.71835	0.71062	0.67874	13.866

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 Dibromochloromethane	+++++	0.64177	0.82134	1.00373	0.96841	0.92092	0.88113	0.87288	14.910
123 1,2-Dibromoethane	+++++	0.61080	0.79440	0.93194	0.89917	0.87037	0.83433	0.82350	13.940
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 Chlorobenzene	+++++	0.93260	1.22712	1.37998	1.31582	1.24299	1.20523	1.21729	12.627
128 Ethyl Benzene	+++++	0.53256	0.61574	0.69415	0.66340	0.63356	0.61550	0.62582	8.766
129 m,p-Xylene	+++++	0.65565	0.77633	0.88980	0.85697	0.80699	0.78651	0.79537	10.185
130 o-Xylene	+++++	0.61897	0.71396	0.77220	0.74145	0.70219	0.67676	0.70426	7.548
131 Styrene	1.02692	0.91049	1.09782	1.32544	1.27680	1.21457	1.17507	1.14673	12.678
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Bromoform	+++++	0.56335	0.72119	0.84297	0.81727	0.77736	0.73595	0.74301	13.390
134 Cumene	1.90942	1.63715	1.89539	2.00302	1.92795	1.82719	1.77654	1.85381	6.466
135 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	0.96294	1.19686	1.19165	1.17502	1.12650	1.10804	1.12684	7.801
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 Propylbenzene	+++++	2.10921	2.40356	2.58845	2.48828	2.35966	2.31918	2.37806	6.862
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
145 4-Ethyltoluene	+++++	1.76866	2.07029	2.16220	2.10773	1.99305	1.95919	2.01019	6.946
146 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	1.59458	1.80422	1.81523	1.73790	1.62734	1.58045	1.69329	6.249
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	1.52388	1.68180	1.65870	1.60072	1.50885	1.49126	1.57754	5.153
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	1.04846	1.17111	1.13947	1.10532	1.04537	1.02404	1.08896	5.405
156 1,4-Dichlorobenzene	+++++	1.00361	1.23780	1.15675	1.13530	1.06321	1.04339	1.10668	7.777
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	+++++	1.55879	1.60783	1.64560	1.64568	1.59129	1.61265	1.61031	2.064
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dichlorobenzene	+++++	0.94350	1.11874	1.01152	1.00780	0.94936	0.95142	0.99706	6.707
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
165 1,2,4-Trichlorobenzene	+++++	+++++	0.65323	0.49441	0.54891	0.56374	0.62391	0.57684	10.895
166 Hexachlorobutadiene	+++++	+++++	0.68964	0.47804	0.48668	0.46920	0.47861	0.52043	18.214
167 Naphthalene	+++++	+++++	1.22545	0.87932	1.00743	1.03507	1.17488	1.06443	12.992
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++		

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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
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
$ 90 1,2-Dichloroethane-d4	1.49234	1.49109	1.51476	1.63124	1.57237	1.56175			
	1.65314						1.55953	4.162	
$ 113 Toluene-d8	0.99480	0.98056	1.00035	1.00145	1.02072	1.00416			
	1.00164						1.00053	1.193	
$ 137 Bromofluorobenzene	0.57846	0.56902	0.57985	0.58282	0.58046	0.58199			
	0.61143						0.58344	2.257	

Calibration History

Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Start Cal Date: 26-MAR-2007 11:32
End Cal Date : 26-MAR-2007 16:02

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
26-MAR-2007 11:32	AFCEElow	/chem/msd7.i/7-26mar.b/7032605.d
Cal Level: 2 , Cal Amount: 0.50000		
26-MAR-2007 12:16	AT04low	/chem/msd7.i/7-26mar.b/7032606.d
Cal Level: 3 , Cal Amount: 2.00000		
26-MAR-2007 13:01	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032607.d
Cal Level: 4 , Cal Amount: 25.00000		
26-MAR-2007 13:51	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032608.d
Cal Level: 5 , Cal Amount: 50.00000		
26-MAR-2007 14:33	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032609.d
Cal Level: 6 , Cal Amount: 100.00000		
26-MAR-2007 15:18	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032610.d
Cal Level: 7 , Cal Amount: 200.00000		
26-MAR-2007 16:02	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032611.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000
26-MAR-2007 14:33 | AT04mdl+ENSR | /chem/msd7.i/7-26mar.b/7032609.d
Ccal Level: 5 , Ccal Amount: 50.000
26-MAR-2007 14:33 | AT04mdl+ENSR | /chem/msd7.i/7-26mar.b/7032609a.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-7 on March 26, 2007.

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

0075

@ Air Toxics Ltd.

MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.25
75	30.0 – 60.0% of mass 95	45.52
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.56
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	74.29
175	5.0 – 9.0% of mass 174	(7.59)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.81)[1]
177	5.0 – 9.0% of mass 176	(6.40)[2]

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

BFB Injection Date: 3/26/07
BFB Injection Time: ~~0758~~ 1052
BFB File ID: 7032604
Tekmar Purge Flow: 23.5 mL/min
Vacuum: 3.2 -5

IS/S Std.#: 1408-388	Exp. Date: 5/26/07
BCM	256614
1,4-DFB	1041284
CB-d5	810428

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

Verify 176/174 m/z Ratio: 365137/377152×100 = 96.814%

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

Calculation Check:

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

Reported Result ______

File ID:
Compound:
Initials:

fo 3/26/07

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7032604	BFB Tune Check	#8432912	50ng	2uL	1.00	fo	3/26/07	~~0758~~ 1052	fo/ET	
2	✓	05	ICAL level 1	200ppbv -	0.3ppbv	0.3 mL		fo		1132	DM/ET	#1487-164
3	✓	06	2	1487-164	0.5ppbv	0.5mL		fo		1216	DM/ET	
4	✓	07	3		2.0ppbv	2.0mL		fo		1301	DM/ET	
5	✓	08	4		25ppbv	25mL		fo		1351	DM/ET	
6	✓	09	5		50ppbv	50mL		fo		1433	DM/ET	
7	✓	10	6		100ppbv	100mL		fo		1518	DM/ET	
8	✓	11	7		200ppbv	200mL		RL		1602	DM/ET	
9	X	12	System Blank	34190	Humid	200mL		DM		1659	RL	

Signature ______ Date 3-26-07

Revision 12/2006
Page 29

0076

10	✓	7032613	System Blank	3190	Humid	200mL	1:00	QM	3/26/07	2052	QM/FO	
11	✓	↓ 14	LCS	1408-408	~~500~~ 50ppm	50mL	1:00	QM	↓	2132	QM/FO	ICAL LCS
12												
13												
14												
15												
16												
17												
18												
19								QM 3-26-07				
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

Comments: Flow Cont : FP9510005
NIST serial # 200-7744
exp: 7/28/07

Nominal flow = 23.16 m³/min
Actual flow = 25.0 m³/min

Signature

3-26-07
Date

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032614.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 26-MAR-2007 21:32
Operator : dm Inst ID: msd7.i
Smp Info : 50mL #1408-408
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 26-Mar-2007 18:27 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.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		
14.430	14.430 (1.000)	130	265896	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	206609			27.05- 127.05	77.70
14.430	14.430 (1.000)	49	730750			226.84- 326.84	274.83
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1093929	25.0000		80.00- 120.00	100.00
16.172	16.200 (1.000)	88	181680			0.00- 66.48	16.61
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	834204	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	533862			14.01- 114.01	64.00
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	405156	24.4262	24.426	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	234481			3.94- 103.94	57.87
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1088999	24.8743	24.874	80.00- 120.00	100.00
18.771	18.799 (1.159)	70	126682			0.00- 61.60	11.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	724757			16.47- 116.47	66.55
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	489179	25.1271	25.127	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	655643			87.01- 187.01	134.03
23.361	23.361 (1.093)	176	473672			48.08- 148.08	96.83
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	943191	52.4425	52.442	80.00- 120.00	100.00
5.610	5.610 (0.389)	42	634231			17.69- 117.69	67.24
5.610	5.610 (0.389)	39	693528			23.66- 123.66	73.53
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	2151470	49.7527	49.753	80.00- 120.00	100.00
5.748	5.748 (0.398)	87	698636			0.00- 81.16	32.47
16 Freon 114					CAS #: 76-14-2		
6.246	6.274 (0.433)	135	1403824	53.4849	53.485	80.00- 120.00	100.00
6.246	6.274 (0.433)	137	446397			0.00- 81.71	31.80
18 Chloromethane					CAS #: 74-87-3		
6.495	6.467 (0.450)	50	1058022	53.6304	53.630	80.00- 120.00	100.00
6.495	6.467 (0.450)	52	326861			0.00- 84.88	30.89
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.477)	62	1067072	52.3722	52.372	80.00- 120.00	100.00
6.882	6.882 (0.477)	64	339693			0.00- 83.40	31.83
22 1,3-Butadiene					CAS #: 106-99-0		
6.992	6.992 (0.485)	54	835583	54.6456	54.646	80.00- 120.00	100.00
6.992	6.992 (0.485)	39	1054352			95.09- 195.09	126.18
25 Bromomethane					CAS #: 74-83-9		
8.015	8.043 (0.555)	94	664079	56.8779	56.878	80.00- 120.00	100.00
8.015	8.043 (0.555)	96	636561			44.05- 144.05	95.86
27 Chloroethane					CAS #: 75-00-3		
8.347	8.375 (0.578)	64	569282	64.9113	64.911	80.00- 120.00	100.00
8.347	8.375 (0.578)	49	174432			0.00- 80.35	30.64
8.375	8.375 (0.580)	66	178308			0.00- 81.16	31.32
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	9.011 (0.624)	101	2099748	54.7001	54.700	80.00- 120.00	100.00
9.011	9.011 (0.624)	103	1362248			14.35- 114.35	64.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.481	9.453 (0.657)	45	431495	56.7480	56.748	80.00- 120.00	100.00
9.481	9.453 (0.657)	43	83241			0.00- 70.66	19.29
9.481	9.453 (0.657)	46	159836			0.00- 85.62	37.04
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	1359564	61.3023	61.302	80.00- 120.00	100.00
10.227	10.227 (0.709)	153	871816			13.62- 113.62	64.12
10.227	10.227 (0.709)	101	1779933			81.20- 181.20	130.92
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.366 (0.716)	61	1812453	60.1883	60.188	80.00- 120.00	100.00
10.366	10.366 (0.718)	96	953717			2.06- 102.06	52.62
10.366	10.366 (0.718)	98	608700			0.00- 82.97	33.58
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	546700	57.3861	57.386	80.00- 120.00	100.00
10.504	10.504 (0.728)	43	1934455			299.51- 399.51	353.84
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	2163427	54.4072	54.407	80.00- 120.00	100.00
10.697	10.697 (0.741)	43	450357			0.00- 73.94	20.82
10.697	10.697 (0.741)	59	76622			0.00- 53.36	3.54
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.919 (0.757)	76	2974019	53.7826	53.782	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.195 (0.774)	76	498918	52.3163	52.316	80.00- 120.00	100.00
11.167	11.195 (0.774)	41	1725314			296.65- 396.65	345.81
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.499 (0.797)	49	1477670	58.4480	58.448	80.00- 120.00	100.00
11.499	11.499 (0.797)	84	887652			8.65- 108.65	60.07
11.499	11.499 (0.797)	51	433753			0.00- 82.79	29.35
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	1044013	40.0474	40.047	80.00- 120.00	100.00
11.831	11.831 (0.820)	57	273516			0.00- 75.81	26.20
11.831	11.831 (0.820)	41	281049			0.00- 76.34	26.92
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.969 (0.828)	96	1003134	56.9302	56.930	80.00- 120.00	100.00
11.942	11.969 (0.828)	61	1685393			120.43- 220.43	168.01
11.942	11.969 (0.828)	98	627660			12.79- 112.79	62.57

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.329	12.329 (0.854)	57	1883857	55.6136	55.614	80.00- 120.00	100.00
12.329	12.329 (0.854)	43	1363225			28.75- 128.75	72.36
12.329	12.329 (0.854)	86	234854			0.00- 62.22	12.47
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	222363	54.2629	54.263	80.00- 120.00	100.00
12.826	12.826 (0.889)	43	3594390			1598.34-1698.34	1616.44
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.854	12.854 (0.891)	63	2050509	57.7645	57.764	80.00- 120.00	100.00
12.854	12.854 (0.891)	65	650202			0.00- 81.63	31.71
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	471618	60.7802	60.780	80.00- 120.00	100.00
13.905	13.905 (0.964)	43	2543905			494.92- 594.92	539.40
13.905	13.905 (0.964)	57	167860			0.00- 86.19	35.59
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.960 (0.966)	61	1480129	56.0341	56.034	80.00- 120.00	100.00
13.960	13.960 (0.967)	96	947428			13.67- 113.67	64.01
13.960	13.960 (0.967)	98	604138			0.00- 90.29	40.82
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.403 (0.998)	42	1456255	55.3181	55.318	80.00- 120.00	100.00
14.402	14.403 (0.998)	71	439525			0.00- 79.84	30.18
14.402	14.403 (0.998)	72	463182			0.00- 79.76	31.81
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	1811010	58.4363	58.436	80.00- 120.00	100.00
14.485	14.485 (1.004)	85	1123919			11.81- 111.81	62.06
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	1623092	57.1223	57.122	80.00- 120.00	100.00
14.845	14.845 (1.029)	99	1040702			14.02- 114.02	64.12
85 Cyclohexane					CAS #: 110-82-7		
14.873	14.873 (1.031)	84	1191507	56.0584	56.058	80.00- 120.00	100.00
14.873	14.873 (1.031)	56	1670909			91.71- 191.71	140.24
14.873	14.873 (1.031)	41	1038583			37.75- 137.75	87.17
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	1486983	55.9521	55.952	80.00- 120.00	100.00
15.121	15.121 (1.048)	117	1540049			53.99- 153.99	103.57
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.426 (1.069)	57	4614244	55.3527	55.353	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.425	15.426 (1.069)	56	1549231			0.00- 83.49	33.57
15.425	15.426 (1.069)	41	1300931			0.00- 79.02	28.19
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	2766613	56.8821	56.882	80.00- 120.00	100.00
15.536	15.536 (0.959)	77	627684			0.00- 73.97	22.69
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	1253752	55.8945	55.894	80.00- 120.00	100.00
15.647	15.647 (0.966)	64	403150			0.00- 82.64	32.16
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.971)	71	882012	55.9885	55.988	80.00- 120.00	100.00
15.730	15.730 (0.971)	43	2077356			199.88- 299.88	235.52
15.730	15.730 (0.971)	57	980668			66.44- 166.44	111.19
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.029)	95	1071131	55.3915	55.391	80.00- 120.00	100.00
16.670	16.670 (1.029)	130	1018491			45.69- 145.69	95.09
16.670	16.670 (1.029)	97	684485			14.08- 114.08	63.90
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	1068356	54.6299	54.630	80.00- 120.00	100.00
17.140	17.140 (1.058)	62	790418			23.55- 123.55	73.98
17.140	17.140 (1.058)	41	708024			17.69- 117.69	66.27
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.067)	88	568950	51.1125	51.112	80.00- 120.00	100.00
17.278	17.278 (1.067)	58	439135			27.03- 127.03	77.18
17.278	17.278 (1.067)	57	159766			0.00- 77.16	28.08
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	1864489	56.1248	56.125	80.00- 120.00	100.00
17.582	17.582 (1.085)	85	1138989			11.19- 111.19	61.09
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	1537805	55.9850	55.985	80.00- 120.00	100.00
18.356	18.356 (1.133)	77	493124			0.00- 81.60	32.07
18.356	18.356 (1.133)	39	978781			14.06- 114.06	63.65
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.145)	58	886641	57.0737	57.074	80.00- 120.00	100.00
18.550	18.550 (1.145)	43	2598939			247.32- 347.32	293.12
18.550	18.550 (1.145)	85	315185			0.00- 86.34	35.55

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	3010180	57.9993	57.999	80.00- 120.00	100.00
18.909	18.909 (1.167)	92	1854831			11.97- 111.97	61.62
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1564232	56.4191	56.419	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	497121			0.00- 81.41	31.78
19.324	19.324 (0.904)	39	960851			12.29- 112.29	61.43
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.684 (0.921)	97	1024900	54.5427	54.543	80.00- 120.00	100.00
19.683	19.684 (0.921)	99	643270			12.76- 112.76	62.76
19.683	19.684 (0.921)	83	912632			38.61- 138.61	89.05
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1272814	56.1857	56.186	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	943768			23.90- 123.90	74.15
19.849	19.849 (0.929)	131	908823			20.78- 120.78	71.40
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1193753	52.7084	52.708	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2510181			160.55- 260.55	210.28
19.988	19.988 (0.935)	100	186649			0.00- 65.44	15.64
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1668424	57.2819	57.282	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1290697			28.67- 128.67	77.36
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1508741	54.9059	54.906	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1419679			44.60- 144.60	94.10
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	2255543	55.5296	55.530	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	729989			0.00- 82.28	32.36
21.425	21.425 (1.003)	77	1722141			26.67- 126.67	76.35
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1120357	53.6506	53.650	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	3627302			270.80- 370.80	323.76
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1433299	54.0049	54.005	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2885798			150.36- 250.36	201.34
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	1270893	54.0812	54.081	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.421	22.421 (1.049)	91	2677367			161.15- 261.15	210.67
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2176656	56.8847	56.885	80.00- 120.00	100.00
22.421	22.448 (1.049)	78	1150521			2.66- 102.66	52.86
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	1429671	57.6642	57.664	80.00- 120.00	100.00
22.863	22.863 (1.070)	171	739303			1.78- 101.78	51.71
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	3355028	54.2374	54.237	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	862953			0.00- 76.34	25.72
22.974	22.974 (1.075)	51	417049			0.00- 63.93	12.43
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1981240	52.6919	52.692	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1220099			10.83- 110.83	61.58
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	4340522	54.7000	54.700	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	937836			0.00- 71.79	21.61
23.665	23.665 (1.107)	105	156403			0.00- 69.81	3.60
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.859 (1.115)	105	3639558	54.2600	54.260	80.00- 120.00	100.00
23.859	23.859 (1.116)	120	1052449			0.00- 79.22	28.92
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	2905403	51.4213	51.421	80.00- 120.00	100.00
23.942	23.942 (1.120)	120	1402135			0.00- 98.92	48.26
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.578 (1.150)	105	2698760	51.2687	51.269	80.00- 120.00	100.00
24.577	24.578 (1.150)	120	1255318			0.00- 96.59	46.51
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1894800	52.1457	52.146	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1203908			12.51- 112.51	63.54
25.158	25.158 (1.177)	111	803997			0.00- 92.45	42.43
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1929188	52.2421	52.242	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1215055			13.81- 113.81	62.98
25.296	25.296 (1.184)	111	782921			0.00- 89.91	40.58

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	2968184	55.2395	55.240	80.00- 120.00	100.00
25.518	25.518 (1.194)	126	582574			0.00- 69.64	19.63
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1695359	50.9577	50.958	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1074029			13.45- 113.45	63.35
25.932	25.932 (1.213)	111	745355			0.00- 93.57	43.96
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.836 (1.349)	180	879583	45.6971	45.697	80.00- 120.00	100.00
28.835	28.836 (1.349)	182	840441			45.31- 145.31	95.55
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	788114	45.3828	45.383	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	500363			12.36- 112.36	63.49
29 Isopentane					CAS #: 78-78-4		
8.375	8.403 (0.580)	43	1510985	49.7542	49.754	80.00- 120.00	100.00
8.375	8.403 (0.580)	57	918219			7.26- 107.26	60.77
19 Butane					CAS #: 106-97-8		
6.827	6.827 (0.473)	58	200054	51.7376	51.738	80.00- 120.00	100.00
6.827	6.827 (0.473)	43	1938372			927.36-1027.36	968.92
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.172)	83	1500902	56.6811	56.681	80.00- 120.00	100.00
16.919	16.919 (1.172)	98	621744			0.00- 92.87	41.42
16.919	16.919 (1.172)	55	1423938			45.27- 145.27	94.87
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	2385602	33.5829	33.583	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	298298			0.00- 62.68	12.50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032614.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	265896	3.62
97 1,4-Difluorobenze	1041294	624776	1457812	1093929	5.05
126 Chlorobenzene-d5	810428	486257	1134599	834204	2.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	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: 26-Mar-2007 22:02

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-26mar
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/7-26mar.b/t14q326a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	49.753	99.51	70-130
16 Freon 114	50.000	53.485	106.97	70-130
18 Chloromethane	50.000	53.630	107.26	70-130
20 Vinyl Chloride	50.000	52.372	104.74	70-130
22 1,3-Butadiene	50.000	54.646	109.29	60-140
25 Bromomethane	50.000	56.878	113.76	70-130
27 Chloroethane	50.000	64.911	129.82	70-130
31 Trichlorofluoromet	50.000	54.700	109.40	70-130
38 Ethanol	50.000	56.748	113.50	60-140
42 Freon 113	50.000	61.302	122.60	70-130
43 1,1-Dichloroethene	50.000	60.188	120.38	70-130
45 Acetone	50.000	57.386	114.77	60-140
47 Carbon Disulfide	50.000	53.782	107.57	60-140
46 2-Propanol	50.000	54.407	108.81	60-140
54 Methylene Chloride	50.000	58.448	116.90	70-130
60 MTBE	50.000	40.047	80.09	60-140
61 trans-1,2-Dichloro	50.000	56.930	113.86	60-140
65 Hexane	50.000	55.614	111.23	60-140
69 Vinyl Acetate	50.000	54.263	108.53	60-140
70 1,1-Dichloroethane	50.000	57.764	115.53	70-130
76 cis-1,2-Dichloroet	50.000	56.034	112.07	70-130
75 2-Butanone	50.000	60.780	121.56	60-140
80 Tetrahydrofuran	50.000	55.318	110.64	60-140
82 Chloroform	50.000	58.436	116.87	70-130
85 Cyclohexane	50.000	56.058	112.12	60-140
83 1,1,1-Trichloroeth	50.000	57.122	114.24	70-130
87 Carbon Tetrachlori	50.000	55.952	111.90	70-130
91 Benzene	50.000	56.882	113.76	70-130
93 1,2-Dichloroethane	50.000	55.894	111.79	70-130
94 Heptane	50.000	55.988	111.98	60-140
101 Trichloroethene	50.000	55.391	110.78	70-130
104 1,2-Dichloropropan	50.000	54.630	109.26	70-130
106 1,4-Dioxane	50.000	51.112	102.22	60-140

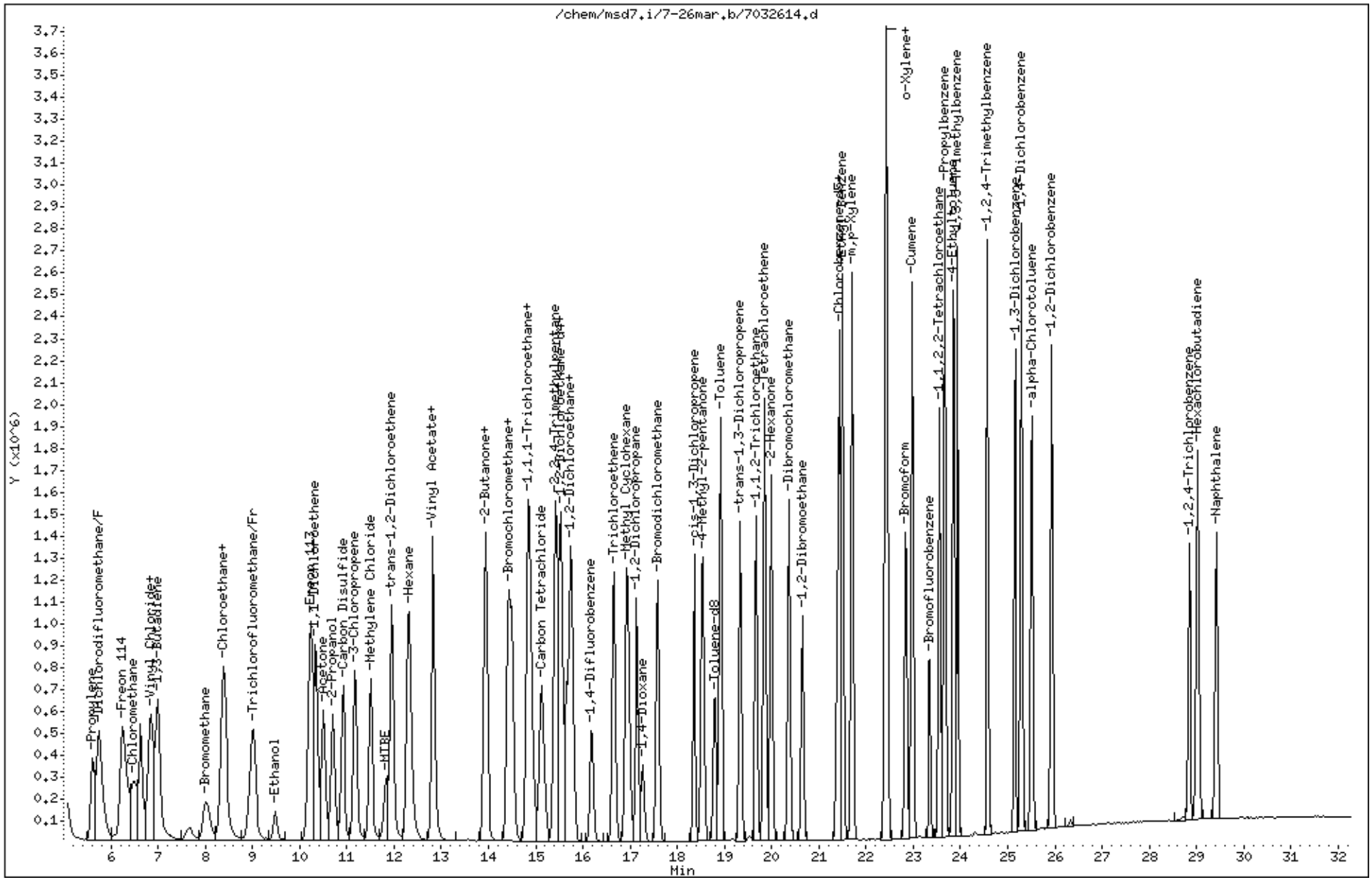
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	56.125	112.25	60-140
110 cis-1,3-Dichloropr	50.000	55.985	111.97	70-130
111 4-Methyl-2-pentano	50.000	57.074	114.15	60-140
114 Toluene	50.000	57.999	116.00	70-130
116 trans-1,3-Dichloro	50.000	56.419	112.84	70-130
117 1,1,2-Trichloroeth	50.000	54.543	109.09	70-130
120 Tetrachloroethene	50.000	56.186	112.37	70-130
121 2-Hexanone	50.000	52.708	105.42	60-140
122 Dibromochlorometha	50.000	57.282	114.56	60-140
123 1,2-Dibromoethane	50.000	54.906	109.81	70-130
127 Chlorobenzene	50.000	55.530	111.06	70-130
128 Ethyl Benzene	50.000	53.650	107.30	70-130
129 m,p-Xylene	50.000	54.005	108.01	70-130
130 o-Xylene	50.000	54.081	108.16	70-130
131 Styrene	50.000	56.885	113.77	70-130
133 Bromoform	50.000	57.664	115.33	60-140
140 1,1,2,2-Tetrachlor	50.000	52.692	105.38	70-130
145 4-Ethyltoluene	50.000	54.260	108.52	60-140
147 1,3,5-Trimethylben	50.000	51.421	102.84	70-130
150 1,2,4-Trimethylben	50.000	51.269	102.54	70-130
155 1,3-Dichlorobenzen	50.000	52.146	104.29	70-130
156 1,4-Dichlorobenzen	50.000	52.242	104.48	70-130
159 alpha-Chlorotoluen	50.000	55.240	110.48	70-130
161 1,2-Dichlorobenzen	50.000	50.958	101.92	70-130
165 1,2,4-Trichloroben	50.000	45.697	91.39	70-130
166 Hexachlorobutadien	50.000	45.383	90.77	70-130
142 Propylbenzene	50.000	54.700	109.40	60-140
134 Cumene	50.000	54.237	108.47	60-140
51 3-Chloropropene	50.000	52.316	104.63	60-140
89 2,2,4-Trimethylpen	50.000	55.353	110.71	60-140
29 Isopentane	50.000	49.754	99.51	70-130
19 Butane	50.000	51.738	103.48	70-130
102 Methyl Cyclohexane	50.000	56.681	113.36	70-130
11 Propylene	50.000	52.442	104.88	60-140
167 Naphthalene	50.000	33.583	67.17	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.426	97.70	70-130
$ 113 Toluene-d8	25.000	24.874	99.50	70-130
$ 137 Bromofluorobenzene	25.000	25.127	100.51	70-130

Data File: /chem/msd7.i/7-26mar.b/7032614.d
Date : 26-MAR-2007 21:32
Client ID: LCS-1
Sample Info: 50mL #1408-408

Instrument: msd7.i
Operator: dm
Column diameter: 0.53

Column phase: RTx-624



0088

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032605.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 26-MAR-2007 11:32
Operator : lo Inst ID: msd7.i
Smp Info : .3mL #1487-164
Misc Info : 200ppbv->0.3ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 11:32 Cal File: 7032605.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	263542	25.0000		50.00- 150.00	100.00
14.430	14.430 (1.000)	128	203327			27.10- 127.10	77.15
14.430	14.430 (1.000)	49	543820			196.71- 296.71	206.35
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1075778	25.0000		50.00- 150.00	100.00
16.200	16.200 (1.000)	88	179135			0.00- 66.69	16.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	818222	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	521367			14.01- 114.01	63.72
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	393295	25.0000	23.923	50.00- 150.00	100.00
15.508	15.508 (1.075)	67	204141			3.94- 103.94	51.91
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1070184	25.0000	24.857	50.00- 150.00	100.00
18.771	18.771 (1.159)	70	124426			0.00- 61.60	11.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	707560			16.47- 116.47	66.12
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.361	23.361 (1.093)	174	473311	25.0000	24.787	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	634625			85.32- 185.32	134.08
23.361	23.361 (1.093)	176	450053			46.50- 146.50	95.09
82 Chloroform						CAS #: 67-66-3	
14.485	14.485 (1.004)	83	7501	0.30000	0.2442	50.00- 150.00	100.00(a)
14.485	14.485 (1.004)	85	4529			12.58- 112.58	60.38
91 Benzene						CAS #: 71-43-2	
15.536	15.536 (0.959)	78	11783	0.30000	0.2463	50.00- 150.00	100.00(a)
15.564	15.564 (0.961)	77	3082			0.00- 73.97	26.16
131 Styrene						CAS #: 100-42-5	
22.448	22.448 (1.050)	104	10083	0.30000	0.2686	50.00- 150.00	100.00(a)
22.421	22.421 (1.049)	78	7081			5.99- 105.99	70.23
134 Cumene						CAS #: 98-82-8	
22.974	22.974 (1.075)	105	18748	0.30000	0.3090	50.00- 150.00	100.00(a)
22.974	22.974 (1.075)	120	5557			0.00- 76.34	29.64
22.974	22.974 (1.075)	51	3034			0.00- 63.93	16.18

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032605.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->0.3ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	263542	2.70
97 1,4-Difluorobenze	1041294	624776	1457812	1075778	3.31
126 Chlorobenzene-d5	810428	486257	1134599	818222	0.96

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

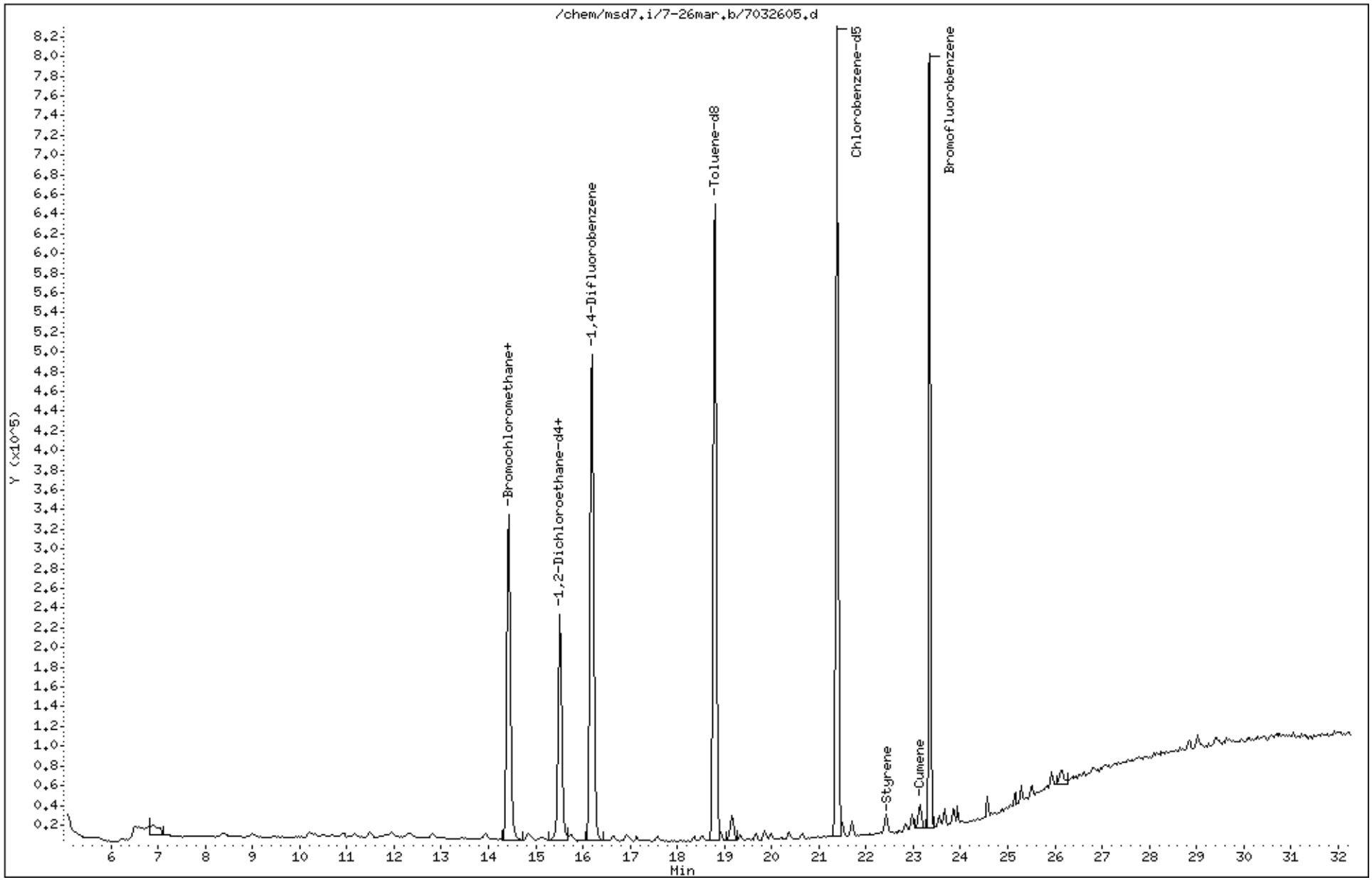
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0092

Data File: /chem/msd7.i/7-26mar.b/7032605.d
Date : 26-MAR-2007 11:32
Client ID: Level 1
Sample Info: .3mL #1487-164

Instrument: msd7.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032606.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 26-MAR-2007 12:16
Operator : lo Inst ID: msd7.i
Smp Info : .5mL #1487-164
Misc Info : 200ppbv->0.5ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 12:16 Cal File: 7032606.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	260298	25.0000		50.00- 150.00	100.00
14.430	14.430 (1.000)	128	203765			27.10- 127.10	78.28
14.430	14.430 (1.000)	49	542421			196.71- 296.71	208.38
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1057861	25.0000		50.00- 150.00	100.00
16.200	16.200 (1.000)	88	174662			0.00- 66.69	16.51
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	789299	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	499475			14.01- 114.01	63.28
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	388128	25.0000	23.903	50.00- 150.00	100.00
15.508	15.508 (1.075)	67	199063			3.94- 103.94	51.29
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1037298	25.0000	24.501	50.00- 150.00	100.00
18.799	18.799 (1.160)	70	119687			0.00- 61.60	11.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	696516			16.47- 116.47	67.15
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	449129	25.0000	24.382	50.00- 150.00	100.00
23.361	23.361 (1.093)	95	613036			85.32- 185.32	136.49
23.361	23.361 (1.093)	176	437967			46.50- 146.50	97.51
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.776	5.776 (0.400)	85	19980	0.50000	0.4720	50.00- 150.00	100.00(a)
5.748	5.748 (0.398)	87	5519			0.00- 81.16	27.62
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.433)	135	12080	0.50000	0.4701	50.00- 150.00	100.00(a)
6.246	6.246 (0.433)	137	2795			0.00- 80.73	23.14
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.475)	62	8407	0.50000	0.4215	50.00- 150.00	100.00(a)
6.882	6.882 (0.477)	64	3268			0.00- 83.40	38.87
22 1,3-Butadiene					CAS #: 106-99-0		
6.965	6.965 (0.483)	54	4645	0.50000	0.3103	50.00- 150.00	100.00(a)
6.965	6.965 (0.483)	39	8862			95.09- 195.09	190.79
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.557)	94	4678	0.50000	0.4093	50.00- 150.00	100.00(a)
8.043	8.043 (0.557)	96	8682			64.23- 164.23	185.59
27 Chloroethane					CAS #: 75-00-3		
8.375	8.375 (0.580)	64	2652	0.50000	0.3089	50.00- 150.00	100.00(a)
0.000	1.000 (0.000)	49	0			0.00- 80.35	0.00
0.000	1.000 (0.000)	66	0			0.00- 81.16	0.00
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	9.011 (0.624)	101	14654	0.50000	0.3900	50.00- 150.00	100.00(a)
8.983	8.983 (0.623)	103	10683			16.79- 116.79	72.90
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	8455	0.50000	0.3894	50.00- 150.00	100.00(a)
10.227	10.227 (0.709)	153	5129			12.77- 112.77	60.66
10.227	10.227 (0.709)	101	11249			80.43- 180.43	133.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.366	10.366 (0.718)	61	11274	0.50000	0.3824	50.00- 150.00	100.00(a)
10.366	10.366 (0.718)	96	9499			9.13- 109.13	84.26
10.338	10.338 (0.716)	98	3877			0.00- 83.10	34.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide						CAS #: 75-15-0	
10.918	10.918 (0.757)	76	23698	0.50000	0.4378	50.00- 150.00	100.00(a)
54 Methylene Chloride						CAS #: 75-09-2	
11.499	11.499 (0.797)	49	10022	0.50000	0.4049	50.00- 150.00	100.00(a)
11.499	11.499 (0.797)	84	5827			8.30- 108.30	58.14
11.499	11.499 (0.797)	51	4430			0.00- 82.79	44.20
60 MTBE						CAS #: 1634-04-4	
11.831	11.831 (0.820)	73	16701	0.50000	0.6544	50.00- 150.00	100.00
11.831	11.831 (0.820)	57	3001			0.00- 74.18	17.97
11.859	11.859 (0.822)	41	4124			0.00- 76.34	24.69
61 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.969	11.969 (0.829)	96	6002	0.50000	0.3480	50.00- 150.00	100.00(a)
11.969	11.969 (0.829)	61	10929			124.88- 224.88	182.09
11.969	11.969 (0.829)	98	3616			12.79- 112.79	60.25
65 Hexane						CAS #: 110-54-3	
12.329	12.329 (0.854)	57	12647	0.50000	0.3814	50.00- 150.00	100.00(a)
12.329	12.329 (0.854)	43	12327			28.75- 128.75	97.47
12.329	12.329 (0.854)	86	1514			0.00- 62.22	11.97
70 1,1-Dichloroethane						CAS #: 75-34-3	
12.854	12.854 (0.891)	63	13053	0.50000	0.3756	50.00- 150.00	100.00(a)
12.854	12.854 (0.891)	65	4331			0.00- 82.35	33.18
75 2-Butanone						CAS #: 78-93-3	
13.905	13.905 (0.964)	72	1786	0.50000	0.2351	50.00- 150.00	100.00(a)
13.905	13.905 (0.964)	43	15793			569.92- 669.92	884.27
0.000	1.000 (0.000)	57	0			0.00- 86.19	0.00
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.960	13.960 (0.967)	61	8997	0.50000	0.3479	50.00- 150.00	100.00(a)
13.960	13.960 (0.967)	96	7886			18.85- 118.85	87.65
13.960	13.960 (0.967)	98	4011			0.00- 91.08	44.58
80 Tetrahydrofuran						CAS #: 109-99-9	
14.402	14.402 (0.998)	42	9794	0.50000	0.3800	50.00- 150.00	100.00(a)
14.430	14.430 (1.000)	71	2888			0.00- 79.53	29.49
14.402	14.402 (0.998)	72	2332			0.00- 79.76	23.81
82 Chloroform						CAS #: 67-66-3	
14.513	14.513 (1.006)	83	10846	0.50000	0.3575	50.00- 150.00	100.00(a)
14.513	14.513 (1.006)	85	7530			12.58- 112.58	69.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	10198	0.50000	0.3666	50.00- 150.00	100.00(a)
14.845	14.845 (1.029)	99	6298			13.97- 113.97	61.76
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.872 (1.031)	84	7524	0.50000	0.3616	50.00- 150.00	100.00(a)
14.872	14.872 (1.031)	56	11119			92.29- 192.29	147.78
14.872	14.872 (1.031)	41	6926			39.68- 139.68	92.05
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	9564	0.50000	0.3676	50.00- 150.00	100.00(a)
15.121	15.121 (1.048)	117	9381			52.28- 152.28	98.09
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	17219	0.50000	0.3661	50.00- 150.00	100.00(a)
15.536	15.536 (0.959)	77	4759			0.00- 73.97	27.64
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.069)	57	30441	0.50000	0.3730	50.00- 150.00	100.00(a)
15.425	15.425 (1.069)	56	10318			0.00- 83.49	33.90
15.425	15.425 (1.069)	41	9770			0.00- 79.02	32.09
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	8279	0.50000	0.3817	50.00- 150.00	100.00(a)
15.647	15.647 (0.966)	64	2649			0.00- 82.64	32.00
94 Heptane					CAS #: 142-82-5		
15.757	15.757 (0.973)	71	5373	0.50000	0.3527	50.00- 150.00	100.00(a)
15.757	15.757 (0.973)	43	15404			199.88- 299.88	286.69
15.757	15.757 (0.973)	57	7138			66.44- 166.44	132.85
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.029)	95	6551	0.50000	0.3503	50.00- 150.00	100.00(a)
16.670	16.670 (1.029)	130	5662			43.22- 143.22	86.43
16.670	16.670 (1.029)	97	4547			15.06- 115.06	69.41
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.172)	83	9039	0.50000	0.3487	50.00- 150.00	100.00(a)
16.918	16.918 (1.172)	98	4429			0.00- 92.87	49.00
16.918	16.918 (1.172)	55	8933			45.27- 145.27	98.83
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	6762	0.50000	0.3576	50.00- 150.00	100.00(a)
17.167	17.167 (1.060)	62	4696			22.07- 122.07	69.45
17.140	17.140 (1.058)	41	4843			18.76- 118.76	71.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	11541	0.50000	0.3592	50.00- 150.00	100.00(a)
17.582	17.582 (1.085)	85	7228			11.02- 111.02	62.63
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	9013	0.50000	0.3393	50.00- 150.00	100.00(a)
18.356	18.356 (1.133)	77	3512			0.00- 83.44	38.97
18.356	18.356 (1.133)	39	5718			14.25- 114.25	63.44
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.145)	58	4937	0.50000	0.3286	50.00- 150.00	100.00(a)
18.550	18.550 (1.145)	43	14592			247.32- 347.32	295.56
18.550	18.550 (1.145)	85	1952			0.00- 86.34	39.54
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	18964	0.50000	0.3778	50.00- 150.00	100.00(a)
18.909	18.909 (1.167)	92	11270			11.59- 111.59	59.43
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	9350	0.50000	0.3564	50.00- 150.00	100.00(a)
19.324	19.324 (0.904)	77	3512			0.00- 83.30	37.56
19.324	19.324 (0.904)	39	6808			14.69- 114.69	72.81
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	7474	0.50000	0.4204	50.00- 150.00	100.00(a)
19.683	19.683 (0.921)	99	4478			12.24- 112.24	59.91
19.683	19.683 (0.921)	83	5853			36.00- 136.00	78.31
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	8711	0.50000	0.4064	50.00- 150.00	100.00(a)
19.849	19.849 (0.929)	129	6037			24.04- 124.04	69.30
19.849	19.849 (0.929)	131	6413			21.47- 121.47	73.62
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	10131	0.50000	0.3676	50.00- 150.00	100.00(a)
20.375	20.375 (0.953)	127	8295			28.67- 128.67	81.88
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	9642	0.50000	0.3708	50.00- 150.00	100.00(a)
20.651	20.651 (0.966)	109	8920			44.53- 144.53	92.51
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	14722	0.50000	0.3831	50.00- 150.00	100.00(a)
21.425	21.425 (1.003)	114	5684			0.00- 83.67	38.61
21.425	21.425 (1.003)	77	17907			37.77- 137.77	121.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	8407	0.50000	0.4255	50.00- 150.00	100.00(a)
21.508	21.508 (1.006)	91	25843			270.80- 370.80	307.40
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	10350	0.50000	0.4122	50.00- 150.00	100.00(a)
21.702	21.702 (1.016)	91	20689			150.36- 250.36	199.89
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	9771	0.50000	0.4394	50.00- 150.00	100.00(a)
22.421	22.421 (1.049)	91	19133			158.39- 258.39	195.81
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	14373	0.50000	0.3970	50.00- 150.00	100.00(a)
22.448	22.448 (1.050)	78	7701			5.99- 105.99	53.58
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	8893	0.50000	0.3791	50.00- 150.00	100.00(a)
22.835	22.835 (1.069)	171	4200			0.00- 99.92	47.23
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	25844	0.50000	0.4416	50.00- 150.00	100.00(a)
22.974	22.974 (1.075)	120	7051			0.00- 76.34	27.28
22.974	22.974 (1.075)	51	4323			0.00- 63.93	16.73
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	15201	0.50000	0.4273	50.00- 150.00	100.00(a)
23.554	23.554 (1.102)	85	8796			10.61- 110.61	57.86
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	33296	0.50000	0.4435	50.00- 150.00	100.00(a)
23.665	23.665 (1.107)	120	7545			0.00- 71.79	22.66
23.858	23.858 (1.116)	105	27444			0.00- 69.81	82.42
145 4-Ethyltoluene					CAS #: 622-96-8		
23.858	23.858 (1.116)	105	27920	0.50000	0.4399	50.00- 150.00	100.00(a)
23.858	23.858 (1.116)	120	8605			0.00- 79.54	30.82
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	25172	0.50000	0.4708	50.00- 150.00	100.00(a)
23.941	23.941 (1.120)	120	13220			0.00- 98.92	52.52
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	24056	0.50000	0.4830	50.00- 150.00	100.00(a)
24.577	24.577 (1.150)	120	11790			0.00- 96.59	49.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	16551	0.50000	0.4814	50.00- 150.00	100.00(a)
25.158	25.158 (1.177)	148	9809			12.51- 112.51	59.27
25.158	25.158 (1.177)	111	6765			0.00- 92.45	40.87
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	15843	0.50000	0.4534	50.00- 150.00	100.00(a)
25.296	25.296 (1.184)	148	10393			13.81- 113.81	65.60
25.296	25.296 (1.184)	111	5856			0.00- 89.91	36.96
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	24607	0.50000	0.4840	50.00- 150.00	100.00(a)
25.517	25.517 (1.194)	126	4767			0.00- 69.64	19.37
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	14894	0.50000	0.4731	50.00- 150.00	100.00(a)
25.932	25.932 (1.213)	148	11644			16.78- 116.78	78.18
25.932	25.932 (1.213)	111	6440			0.00- 93.53	43.24

QC Flag Legend

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

Report Date: 27-Mar-2007 07:13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032606.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->0.5ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	260298	1.44
97 1,4-Difluorobenze	1041294	624776	1457812	1057861	1.59
126 Chlorobenzene-d5	810428	486257	1134599	789299	-2.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

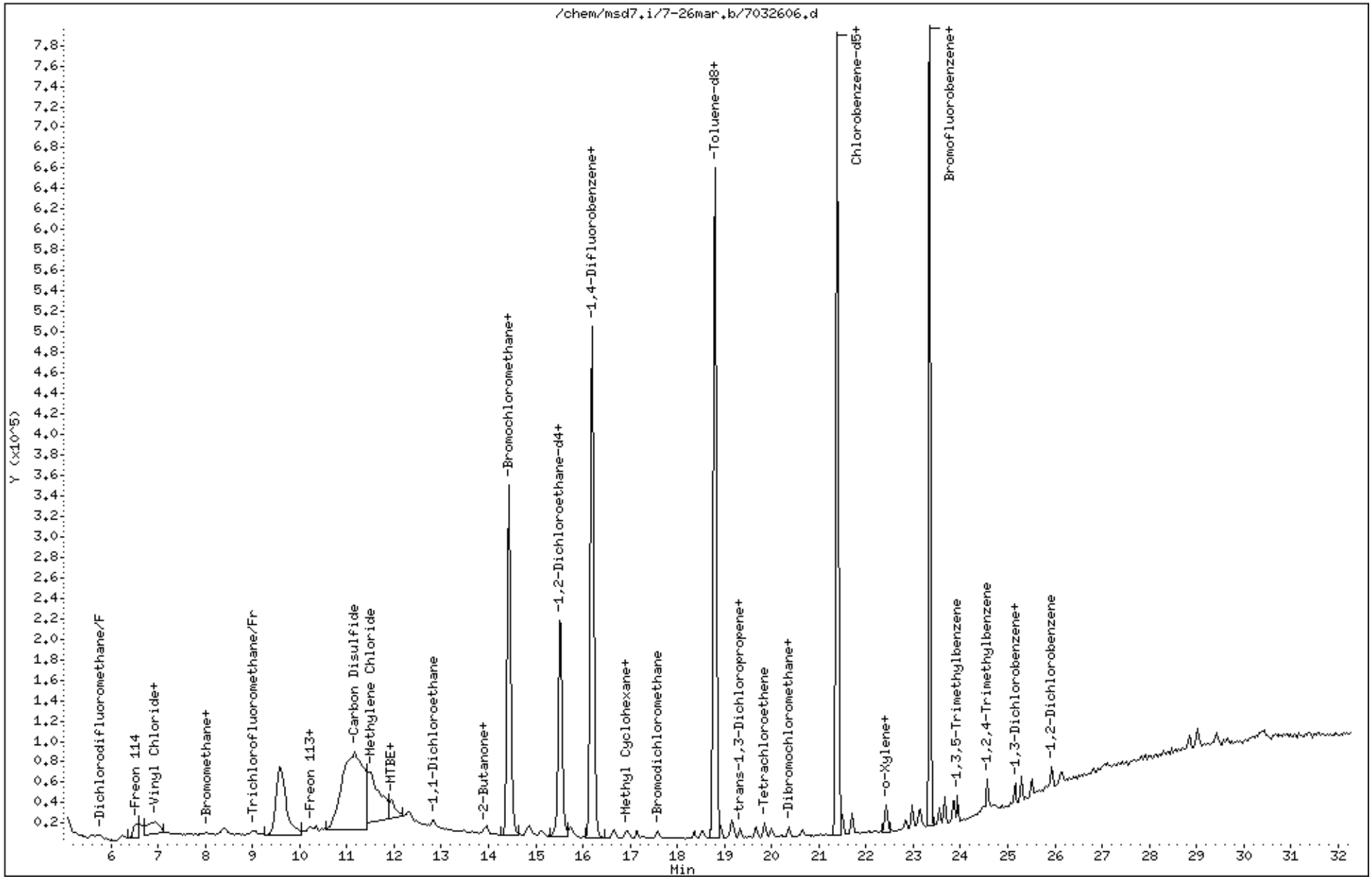
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0101

Data File: /chem/msd7.i/7-26mar.b/7032606.d
Date : 26-MAR-2007 12:16
Client ID: Level 2
Sample Info: .5mL #1487-164

Instrument: msd7.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032607.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 26-MAR-2007 13:01
Operator : lo Inst ID: msd7.i
Smp Info : 2mL #1487-164
Misc Info : 200ppbv->2.0ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 13:01 Cal File: 7032607.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	258120	25.0000		50.00- 150.00	100.00
14.430	14.430 (1.000)	128	199433			27.10- 127.10	77.26
14.430	14.430 (1.000)	49	540382			196.71- 296.71	209.35
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1043807	25.0000		50.00- 150.00	100.00
16.200	16.200 (1.000)	88	178506			0.00- 66.69	17.10
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	803865	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	516015			14.01- 114.01	64.19
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	390991	25.0000	24.282	50.00- 150.00	100.00
15.508	15.508 (1.075)	67	200847			3.94- 103.94	51.37
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1044172	25.0000	24.996	50.00- 150.00	100.00
18.799	18.799 (1.160)	70	122697			0.00- 61.60	11.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	688888			16.47- 116.47	65.97
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	466125	25.0000	24.846	50.00- 150.00	100.00
23.361	23.361 (1.093)	95	625907			85.32- 185.32	134.28
23.361	23.361 (1.093)	176	442966			46.50- 146.50	95.03
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	35393	2.00000	2.027	50.00- 150.00	100.00
5.610	5.610 (0.389)	42	25045			17.69- 117.69	70.76
5.638	5.638 (0.391)	39	25707			23.66- 123.66	72.63
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	80669	2.00000	1.922	50.00- 150.00	100.00
5.748	5.748 (0.398)	87	26199			0.00- 81.16	32.48
16 Freon 114					CAS #: 76-14-2		
6.273	6.273 (0.435)	135	49589	2.00000	1.946	50.00- 150.00	100.00
6.273	6.273 (0.435)	137	17611			0.00- 80.73	35.51
18 Chloromethane					CAS #: 74-87-3		
6.495	6.495 (0.450)	50	35717	2.00000	1.865	50.00- 150.00	100.00(a)
6.495	6.495 (0.450)	52	15687			0.00- 84.88	43.92
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.477)	62	39515	2.00000	1.998	50.00- 150.00	100.00
6.882	6.882 (0.477)	64	13413			0.00- 83.40	33.94
22 1,3-Butadiene					CAS #: 106-99-0		
6.992	6.992 (0.485)	54	27234	2.00000	1.835	50.00- 150.00	100.00
6.992	6.992 (0.485)	39	43927			95.09- 195.09	161.29
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.557)	94	24970	2.00000	2.203	50.00- 150.00	100.00
8.043	8.043 (0.557)	96	26191			64.23- 164.23	104.89
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.578)	64	12764	2.00000	1.499	50.00- 150.00	100.00
8.375	8.375 (0.580)	49	3785			0.00- 80.35	29.65
8.347	8.347 (0.578)	66	4271			0.00- 81.16	33.46
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	9.011 (0.624)	101	74266	2.00000	1.993	50.00- 150.00	100.00
9.011	9.011 (0.624)	103	49532			16.79- 116.79	66.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.481	9.481 (0.657)	45	14082	2.00000	1.908	50.00- 150.00	100.00(a)
9.453	9.453 (0.655)	43	3629			0.00- 70.66	25.77
9.481	9.481 (0.657)	46	4434			0.00- 85.62	31.49
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	43110	2.00000	2.002	50.00- 150.00	100.00
10.200	10.200 (0.707)	153	26769			12.77- 112.77	62.09
10.227	10.227 (0.709)	101	54637			80.43- 180.43	126.74
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.366	10.366 (0.718)	61	59283	2.00000	2.028	50.00- 150.00	100.00
10.366	10.366 (0.718)	96	32802			9.13- 109.13	55.33
10.366	10.366 (0.718)	98	18857			0.00- 83.10	31.81
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	17284	2.00000	1.869	50.00- 150.00	100.00(a)
10.504	10.504 (0.728)	43	60639			299.51- 399.51	350.84
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	66980	2.00000	1.735	50.00- 150.00	100.00(a)
10.697	10.697 (0.741)	43	16996			0.00- 73.94	25.37
10.697	10.697 (0.741)	59	1907			0.00- 53.36	2.85
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.919 (0.757)	76	107707	2.00000	2.006	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.774)	76	16344	2.00000	1.765	50.00- 150.00	100.00
11.195	11.195 (0.776)	41	54710			296.65- 396.65	334.74
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.499 (0.797)	49	48223	2.00000	1.965	50.00- 150.00	100.00
11.499	11.499 (0.797)	84	28073			8.30- 108.30	58.21
11.499	11.499 (0.797)	51	15517			0.00- 82.79	32.18
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	49330	2.00000	1.949	50.00- 150.00	100.00
11.831	11.831 (0.820)	57	12394			0.00- 74.18	25.12
11.831	11.831 (0.820)	41	12153			0.00- 76.34	24.64
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.969	11.969 (0.829)	96	32552	2.00000	1.903	50.00- 150.00	100.00
11.942	11.942 (0.828)	61	58295			124.88- 224.88	179.08
11.969	11.969 (0.829)	98	20934			12.79- 112.79	64.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.329	12.329 (0.854)	57	62918	2.00000	1.913	50.00- 150.00	100.00
12.329	12.329 (0.854)	43	48633			28.75- 128.75	77.30
12.356	12.356 (0.856)	86	7732			0.00- 62.22	12.29
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	6845	2.00000	1.721	50.00- 150.00	100.00(a)
12.826	12.826 (0.889)	43	113800			1598.34-1698.34	1662.53
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.854	12.854 (0.891)	63	66315	2.00000	1.924	50.00- 150.00	100.00
12.854	12.854 (0.891)	65	22024			0.00- 82.35	33.21
75 2-Butanone					CAS #: 78-93-3		
13.932	13.932 (0.966)	72	14047	2.00000	1.865	50.00- 150.00	100.00
13.905	13.905 (0.964)	43	80183			569.92- 669.92	570.82
13.905	13.905 (0.964)	57	5140			0.00- 86.19	36.59
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.960	13.960 (0.967)	61	51250	2.00000	1.999	50.00- 150.00	100.00
13.960	13.960 (0.967)	96	34366			18.85- 118.85	67.06
13.960	13.960 (0.967)	98	20842			0.00- 91.08	40.67
80 Tetrahydrofuran					CAS #: 109-99-9		
14.430	14.430 (1.000)	42	48150	2.00000	1.884	50.00- 150.00	100.00
14.430	14.430 (1.000)	71	14166			0.00- 79.53	29.42
14.430	14.430 (1.000)	72	14990			0.00- 79.76	31.13
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	62177	2.00000	2.067	50.00- 150.00	100.00
14.485	14.485 (1.004)	85	37687			12.58- 112.58	60.61
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	51427	2.00000	1.864	50.00- 150.00	100.00
14.845	14.845 (1.029)	99	33634			13.97- 113.97	65.40
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.872 (1.031)	84	39802	2.00000	1.929	50.00- 150.00	100.00
14.872	14.872 (1.031)	56	55734			92.29- 192.29	140.03
14.845	14.845 (1.029)	41	36869			39.68- 139.68	92.63
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	50020	2.00000	1.939	50.00- 150.00	100.00
15.121	15.121 (1.048)	117	50964			52.28- 152.28	101.89
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	97115	2.00000	2.092	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.536	15.536 (0.959)	77	22300			0.00- 73.97	22.96
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.069)	57	155772	2.00000	1.925	50.00- 150.00	100.00
15.425	15.425 (1.069)	56	51622			0.00- 83.49	33.14
15.425	15.425 (1.069)	41	43108			0.00- 79.02	27.67
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	40798	2.00000	1.906	50.00- 150.00	100.00
15.647	15.647 (0.966)	64	13877			0.00- 82.64	34.01
94 Heptane					CAS #: 142-82-5		
15.757	15.757 (0.973)	71	29802	2.00000	1.983	50.00- 150.00	100.00
15.730	15.730 (0.971)	43	71003			199.88- 299.88	238.25
15.757	15.757 (0.973)	57	32649			66.44- 166.44	109.55
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.029)	95	37402	2.00000	2.027	50.00- 150.00	100.00
16.670	16.670 (1.029)	130	35690			43.22- 143.22	95.42
16.670	16.670 (1.029)	97	24032			15.06- 115.06	64.25
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	36395	2.00000	1.950	50.00- 150.00	100.00
17.140	17.140 (1.058)	62	26200			22.07- 122.07	71.99
17.140	17.140 (1.058)	41	25694			18.76- 118.76	70.60
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.067)	88	18476	2.00000	1.740	50.00- 150.00	100.00(a)
17.278	17.278 (1.067)	58	14167			26.99- 126.99	76.68
17.278	17.278 (1.067)	57	5144			0.00- 77.16	27.84
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	61930	2.00000	1.954	50.00- 150.00	100.00
17.582	17.582 (1.085)	85	36257			11.02- 111.02	58.55
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	49428	2.00000	1.886	50.00- 150.00	100.00
18.356	18.356 (1.133)	77	16465			0.00- 83.44	33.31
18.356	18.356 (1.133)	39	32298			14.25- 114.25	65.34
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.145)	58	26505	2.00000	1.788	50.00- 150.00	100.00
18.550	18.550 (1.145)	43	78260			247.32- 347.32	295.27
18.550	18.550 (1.145)	85	9457			0.00- 86.34	35.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	96294	2.00000	1.944	50.00- 150.00	100.00
18.909	18.909 (1.167)	92	60677			11.59- 111.59	63.01
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	50519	2.00000	1.891	50.00- 150.00	100.00
19.324	19.324 (0.904)	77	17276			0.00- 83.30	34.20
19.324	19.324 (0.904)	39	31904			14.69- 114.69	63.15
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	34764	2.00000	1.920	50.00- 150.00	100.00
19.683	19.683 (0.921)	99	22303			12.24- 112.24	64.16
19.683	19.683 (0.921)	83	29905			36.00- 136.00	86.02
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	42860	2.00000	1.963	50.00- 150.00	100.00
19.849	19.849 (0.929)	129	33719			24.04- 124.04	78.67
19.849	19.849 (0.929)	131	30499			21.47- 121.47	71.16
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	32851	2.00000	1.505	50.00- 150.00	100.00(a)
19.988	19.988 (0.935)	43	72957			163.40- 263.40	222.08
19.988	19.988 (0.935)	100	5378			0.00- 65.44	16.37
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	52820	2.00000	1.882	50.00- 150.00	100.00
20.375	20.375 (0.953)	127	42525			28.67- 128.67	80.51
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	51087	2.00000	1.929	50.00- 150.00	100.00
20.651	20.651 (0.966)	109	49257			44.53- 144.53	96.42
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	78915	2.00000	2.016	50.00- 150.00	100.00
21.425	21.425 (1.003)	114	26004			0.00- 83.67	32.95
21.425	21.425 (1.003)	77	67609			37.77- 137.77	85.67
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	39598	2.00000	1.968	50.00- 150.00	100.00
21.508	21.508 (1.006)	91	128149			270.80- 370.80	323.62
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	49925	2.00000	1.952	50.00- 150.00	100.00
21.702	21.702 (1.016)	91	98879			150.36- 250.36	198.06
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	45914	2.00000	2.028	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.421	22.421 (1.049)	91	96704			158.39- 258.39	210.62
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	70600	2.00000	1.915	50.00- 150.00	100.00
22.448	22.448 (1.050)	78	38369			5.99- 105.99	54.35
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	46379	2.00000	1.941	50.00- 150.00	100.00
22.863	22.863 (1.070)	171	22242			0.00- 99.92	47.96
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	121891	2.00000	2.045	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	30407			0.00- 76.34	24.95
22.974	22.974 (1.075)	51	15762			0.00- 63.93	12.93
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	76969	2.00000	2.124	50.00- 150.00	100.00
23.554	23.554 (1.102)	85	47334			10.61- 110.61	61.50
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	154571	2.00000	2.021	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	34445			0.00- 71.79	22.28
23.665	23.665 (1.107)	105	7871			0.00- 69.81	5.09
145 4-Ethyltoluene					CAS #: 622-96-8		
23.859	23.859 (1.116)	105	133139	2.00000	2.060	50.00- 150.00	100.00
23.859	23.859 (1.116)	120	38677			0.00- 79.54	29.05
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	116028	2.00000	2.131	50.00- 150.00	100.00
23.941	23.941 (1.120)	120	55126			0.00- 98.92	47.51
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	108155	2.00000	2.132	50.00- 150.00	100.00
24.577	24.577 (1.150)	120	49215			0.00- 96.59	45.50
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	75313	2.00000	2.151	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	46780			12.51- 112.51	62.11
25.158	25.158 (1.177)	111	32642			0.00- 92.45	43.34
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	79602	2.00000	2.237	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	50179			13.81- 113.81	63.04
25.296	25.296 (1.184)	111	31718			0.00- 89.91	39.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	103398	2.00000	1.997	50.00- 150.00	100.00
25.517	25.517 (1.194)	126	21296			0.00- 69.64	20.60
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	71945	2.00000	2.244	50.00- 150.00	100.00
25.932	25.932 (1.213)	148	46332			16.78- 116.78	64.40
25.932	25.932 (1.213)	111	31069			0.00- 93.53	43.18
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	42009	2.00000	2.265	50.00- 150.00	100.00
28.835	28.835 (1.349)	182	40711			45.96- 145.96	96.91
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	44350	2.00000	2.650	50.00- 150.00	100.00
29.029	29.029 (1.358)	223	27259			12.36- 112.36	61.46
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	78808	2.00000	2.302	50.00- 150.00	100.00
29.416	29.416 (1.377)	127	9971			0.00- 62.68	12.65
29 Isopentane					CAS #: 78-78-4		
8.402	8.402 (0.582)	43	58356	2.00000	1.979	50.00- 150.00	100.00(a)
8.402	8.402 (0.582)	57	30480			7.26- 107.26	52.23
19 Butane					CAS #: 106-97-8		
6.826	6.826 (0.473)	58	7435	2.00000	1.981	50.00- 150.00	100.00(a)
6.854	6.854 (0.475)	43	71262			927.36-1027.36	958.47
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.946	16.946 (1.174)	83	49786	2.00000	1.937	50.00- 150.00	100.00
16.946	16.946 (1.174)	98	20773			0.00- 92.87	41.72
16.919	16.919 (1.172)	55	47035			45.27- 145.27	94.47

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032607.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->2.0ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	258120	0.59
97 1,4-Difluorobenze	1041294	624776	1457812	1043807	0.24
126 Chlorobenzene-d5	810428	486257	1134599	803865	-0.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	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.i/7-26mar.b/7032607.d

Date : 26-MAR-2007 13:01

Client ID: Level 3

Sample Info: 2mL #1487-164

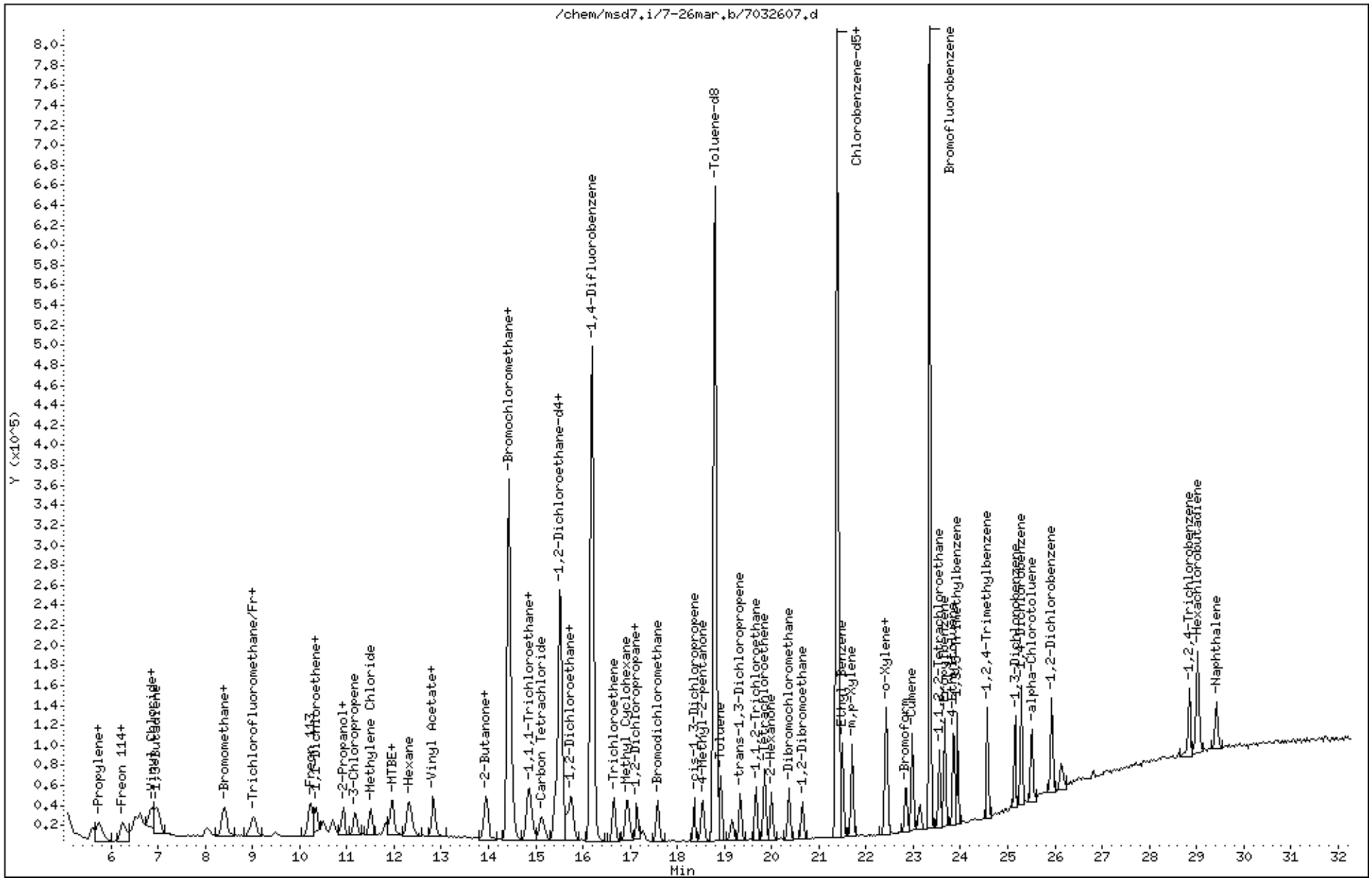
Column phase: RTx-624

Instrument: msd7.i

Operator: lo

Column diameter: 0.53

0111



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032608.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 26-MAR-2007 13:51
Operator : lo Inst ID: msd7.i
Smp Info : 25mL #1487-164
Misc Info : 200ppbv->25ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 13:51 Cal File: 7032608.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
* 81 Bromochloromethane						CAS #: 74-97-5		
14.430	14.430 (1.000)	130	259290	25.0000		50.00- 150.00		100.00
14.430	14.430 (1.000)	128	197701			27.10- 127.10		76.25
14.402	14.402 (1.000)	49	630891			196.71- 296.71		243.31
* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1052064	25.0000		50.00- 150.00		100.00
16.172	16.172 (1.000)	88	176559			0.00- 66.69		16.78
* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	810943	25.0000		50.00- 150.00		100.00
21.370	21.370 (1.000)	82	521081			14.01- 114.01		64.26
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	422964	25.0000	26.150	50.00- 150.00		100.00
15.508	15.508 (1.075)	67	218835			3.94- 103.94		51.74
$ 113 Toluene-d8						CAS #: 2037-26-5		
18.799	18.799 (1.162)	98	1053592	25.0000	25.023	50.00- 150.00		100.00
18.771	18.771 (1.161)	70	123061			0.00- 61.60		11.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.162)	100	706219			16.47- 116.47	67.03
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	472635	25.0000	24.974	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	634068			85.32- 185.32	134.16
23.361	23.361 (1.093)	176	458034			46.50- 146.50	96.91
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	452514	25.0000	25.801	50.00- 150.00	100.00
5.610	5.610 (0.389)	42	302676			17.69- 117.69	66.89
5.610	5.610 (0.389)	39	337360			23.66- 123.66	74.55
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	1159848	25.0000	27.505	50.00- 150.00	100.00
5.748	5.748 (0.398)	87	374002			0.00- 81.16	32.25
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.433)	135	723913	25.0000	28.283	50.00- 150.00	100.00
6.246	6.246 (0.433)	137	229730			0.00- 80.73	31.73
18 Chloromethane					CAS #: 74-87-3		
6.467	6.467 (0.448)	50	531717	25.0000	27.639	50.00- 150.00	100.00
6.467	6.467 (0.448)	52	165758			0.00- 84.88	31.17
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.475)	62	545415	25.0000	27.451	50.00- 150.00	100.00
6.854	6.854 (0.475)	64	172277			0.00- 83.40	31.59
22 1,3-Butadiene					CAS #: 106-99-0		
6.965	6.965 (0.483)	54	431389	25.0000	28.931	50.00- 150.00	100.00
6.965	6.965 (0.483)	39	534529			95.09- 195.09	123.91
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.555)	94	308898	25.0000	27.131	50.00- 150.00	100.00
8.015	8.015 (0.555)	96	287045			64.23- 164.23	92.93
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.578)	64	242057	25.0000	28.303	50.00- 150.00	100.00
8.347	8.347 (0.578)	49	74242			0.00- 80.35	30.67
8.347	8.347 (0.578)	66	74669			0.00- 81.16	30.85
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.983	8.983 (0.623)	101	1045748	25.0000	27.937	50.00- 150.00	100.00
8.983	8.983 (0.623)	103	676765			16.79- 116.79	64.72

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.655)	45	197009	25.0000	26.570	50.00- 150.00	100.00
9.453	9.453 (0.655)	43	37473			0.00- 70.66	19.02
9.453	9.453 (0.655)	46	73823			0.00- 85.62	37.47
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.707)	151	604951	25.0000	27.972	50.00- 150.00	100.00
10.200	10.200 (0.707)	153	387019			12.77- 112.77	63.98
10.200	10.200 (0.707)	101	790639			80.43- 180.43	130.69
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.716)	61	818590	25.0000	27.876	50.00- 150.00	100.00
10.338	10.338 (0.716)	96	426456			9.13- 109.13	52.10
10.338	10.338 (0.716)	98	268968			0.00- 83.10	32.86
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	244067	25.0000	26.272	50.00- 150.00	100.00
10.504	10.504 (0.728)	43	858215			299.51- 399.51	351.63
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	1016860	25.0000	26.224	50.00- 150.00	100.00
10.670	10.670 (0.739)	43	245355			0.00- 73.94	24.13
10.697	10.697 (0.741)	59	35826			0.00- 53.36	3.52
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.755)	76	1453941	25.0000	26.963	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.774)	76	239891	25.0000	25.796	50.00- 150.00	100.00
11.167	11.167 (0.774)	41	843545			296.65- 396.65	351.64
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.795)	49	676147	25.0000	27.426	50.00- 150.00	100.00
11.472	11.472 (0.795)	84	390795			8.30- 108.30	57.80
11.472	11.472 (0.795)	51	197159			0.00- 82.79	29.16
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	684773	25.0000	26.936	50.00- 150.00	100.00
11.831	11.831 (0.820)	57	177902			0.00- 74.18	25.98
11.831	11.831 (0.820)	41	190288			0.00- 76.34	27.79
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.828)	96	492786	25.0000	28.679	50.00- 150.00	100.00
11.942	11.942 (0.828)	61	847259			124.88- 224.88	171.93
11.942	11.942 (0.828)	98	310251			12.79- 112.79	62.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.852)	57	927567	25.0000	28.080	50.00- 150.00	100.00
12.301	12.301 (0.852)	43	676620			28.75- 128.75	72.95
12.329	12.329 (0.854)	86	111785			0.00- 62.22	12.05
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	108498	25.0000	27.151	50.00- 150.00	100.00
12.799	12.799 (0.887)	43	1751889			1598.34-1698.34	1614.67
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.889)	63	982131	25.0000	28.372	50.00- 150.00	100.00
12.826	12.826 (0.889)	65	313949			0.00- 82.35	31.97
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	220844	25.0000	29.186	50.00- 150.00	100.00
13.905	13.905 (0.964)	43	1225444			569.92- 669.92	554.89
13.905	13.905 (0.964)	57	80721			0.00- 86.19	36.55
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.966)	61	738429	25.0000	28.667	50.00- 150.00	100.00
13.932	13.932 (0.966)	96	461297			18.85- 118.85	62.47
13.932	13.932 (0.966)	98	292634			0.00- 91.08	39.63
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (0.998)	42	717769	25.0000	27.960	50.00- 150.00	100.00
14.402	14.402 (0.998)	71	209194			0.00- 79.53	29.15
14.402	14.402 (0.998)	72	222510			0.00- 79.76	31.00
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	892819	25.0000	29.543	50.00- 150.00	100.00
14.485	14.485 (1.004)	85	547572			12.58- 112.58	61.33
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	789815	25.0000	28.504	50.00- 150.00	100.00
14.845	14.845 (1.029)	99	508214			13.97- 113.97	64.35
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.872 (1.031)	84	593638	25.0000	28.641	50.00- 150.00	100.00
14.845	14.845 (1.029)	56	834822			92.29- 192.29	140.63
14.845	14.845 (1.029)	41	517269			39.68- 139.68	87.14
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	724604	25.0000	27.960	50.00- 150.00	100.00
15.121	15.121 (1.048)	117	754864			52.28- 152.28	104.18
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	1365061	25.0000	29.183	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.536	15.536 (0.961)	77	303171			0.00- 73.97	22.21
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.069)	57	2296613	25.0000	28.252	50.00- 150.00	100.00
15.425	15.425 (1.069)	56	764060			0.00- 83.49	33.27
15.425	15.425 (1.069)	41	648348			0.00- 79.02	28.23
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	612241	25.0000	28.381	50.00- 150.00	100.00
15.647	15.647 (0.968)	64	198128			0.00- 82.64	32.36
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	429332	25.0000	28.338	50.00- 150.00	100.00
15.730	15.730 (0.973)	43	1040515			199.88- 299.88	242.36
15.730	15.730 (0.973)	57	482539			66.44- 166.44	112.39
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.031)	95	530042	25.0000	28.501	50.00- 150.00	100.00
16.670	16.670 (1.031)	130	499541			43.22- 143.22	94.25
16.670	16.670 (1.031)	97	339134			15.06- 115.06	63.98
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	533913	25.0000	28.388	50.00- 150.00	100.00
17.140	17.140 (1.060)	62	387567			22.07- 122.07	72.59
17.140	17.140 (1.060)	41	357922			18.76- 118.76	67.04
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	286613	25.0000	26.773	50.00- 150.00	100.00
17.278	17.278 (1.068)	58	218772			26.99- 126.99	76.33
17.278	17.278 (1.068)	57	76693			0.00- 77.16	26.76
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.087)	83	901384	25.0000	28.213	50.00- 150.00	100.00
17.582	17.582 (1.087)	85	555696			11.02- 111.02	61.65
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	758871	25.0000	28.727	50.00- 150.00	100.00
18.356	18.356 (1.135)	77	239091			0.00- 83.44	31.51
18.356	18.356 (1.135)	39	486012			14.25- 114.25	64.04
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.147)	58	422640	25.0000	28.288	50.00- 150.00	100.00
18.550	18.550 (1.147)	43	1271083			247.32- 347.32	300.75
18.550	18.550 (1.147)	85	150443			0.00- 86.34	35.60

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	1416553	25.0000	28.380	50.00- 150.00	100.00
18.909	18.909 (1.169)	92	877450			11.59- 111.59	61.94
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	757804	25.0000	28.117	50.00- 150.00	100.00
19.324	19.324 (0.904)	77	238771			0.00- 83.30	31.51
19.324	19.324 (0.904)	39	475794			14.69- 114.69	62.79
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	502839	25.0000	27.527	50.00- 150.00	100.00
19.683	19.683 (0.921)	99	313854			12.24- 112.24	62.42
19.683	19.683 (0.921)	83	446183			36.00- 136.00	88.73
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	625445	25.0000	28.401	50.00- 150.00	100.00
19.849	19.849 (0.929)	129	465236			24.04- 124.04	74.38
19.849	19.849 (0.929)	131	443694			21.47- 121.47	70.94
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	590257	25.0000	26.810	50.00- 150.00	100.00
19.988	19.988 (0.935)	43	1248845			163.40- 263.40	211.58
19.988	19.988 (0.935)	100	90173			0.00- 65.44	15.28
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	813968	25.0000	28.748	50.00- 150.00	100.00
20.375	20.375 (0.953)	127	627194			28.67- 128.67	77.05
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	755748	25.0000	28.292	50.00- 150.00	100.00
20.651	20.651 (0.966)	109	716385			44.53- 144.53	94.79
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	1119083	25.0000	28.341	50.00- 150.00	100.00
21.425	21.425 (1.003)	114	359102			0.00- 83.67	32.09
21.425	21.425 (1.003)	77	860629			37.77- 137.77	76.90
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	562919	25.0000	27.730	50.00- 150.00	100.00
21.508	21.508 (1.006)	91	1818621			270.80- 370.80	323.07
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	721578	25.0000	27.968	50.00- 150.00	100.00
21.702	21.702 (1.016)	91	1445007			150.36- 250.36	200.26
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	626211	25.0000	27.412	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	130 o-Xylene (continued)						
22.421	22.421 (1.049)	91	1331087			158.39- 258.39	212.56
	131 Styrene				CAS #: 100-42-5		
22.448	22.448 (1.050)	104	1074859	25.0000	28.896	50.00- 150.00	100.00
22.448	22.448 (1.050)	78	558747			5.99- 105.99	51.98
	133 Bromoform				CAS #: 75-25-2		
22.863	22.863 (1.070)	173	683604	25.0000	28.363	50.00- 150.00	100.00
22.863	22.863 (1.070)	171	350775			0.00- 99.92	51.31
	134 Cumene				CAS #: 98-82-8		
22.974	22.974 (1.075)	105	1624337	25.0000	27.012	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	412030			0.00- 76.34	25.37
22.974	22.974 (1.075)	51	202327			0.00- 63.93	12.46
	140 1,1,2,2-Tetrachloroethane				CAS #: 79-34-5		
23.554	23.554 (1.102)	83	966359	25.0000	26.438	50.00- 150.00	100.00
23.554	23.554 (1.102)	85	597540			10.61- 110.61	61.83
	142 Propylbenzene				CAS #: 103-65-1		
23.665	23.665 (1.107)	91	2099086	25.0000	27.212	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	443571			0.00- 71.79	21.13
23.665	23.665 (1.107)	105	82920			0.00- 69.81	3.95
	145 4-Ethyltoluene				CAS #: 622-96-8		
23.858	23.858 (1.116)	105	1753423	25.0000	26.890	50.00- 150.00	100.00
23.858	23.858 (1.116)	120	514319			0.00- 79.54	29.33
	147 1,3,5-Trimethylbenzene				CAS #: 108-67-8		
23.941	23.941 (1.120)	105	1472050	25.0000	26.800	50.00- 150.00	100.00
23.941	23.941 (1.120)	120	704673			0.00- 98.92	47.87
	150 1,2,4-Trimethylbenzene				CAS #: 95-63-6		
24.577	24.577 (1.150)	105	1345109	25.0000	26.286	50.00- 150.00	100.00
24.577	24.577 (1.150)	120	618879			0.00- 96.59	46.01
	155 1,3-Dichlorobenzene				CAS #: 541-73-1		
25.158	25.158 (1.177)	146	924043	25.0000	26.160	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	592121			12.51- 112.51	64.08
25.158	25.158 (1.177)	111	392285			0.00- 92.45	42.45
	156 1,4-Dichlorobenzene				CAS #: 106-46-7		
25.296	25.296 (1.184)	146	938062	25.0000	26.131	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	590297			13.81- 113.81	62.93
25.296	25.296 (1.184)	111	379798			0.00- 89.91	40.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	1334486	25.0000	25.548	50.00- 150.00	100.00
25.517	25.517 (1.194)	126	258769			0.00- 69.64	19.39
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	820284	25.0000	25.363	50.00- 150.00	100.00
25.932	25.932 (1.213)	148	521743			16.78- 116.78	63.61
25.932	25.932 (1.213)	111	356761			0.00- 93.53	43.49
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	400939	25.0000	21.428	50.00- 150.00	100.00
28.835	28.835 (1.349)	182	384134			45.96- 145.96	95.81
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	387666	25.0000	22.964	50.00- 150.00	100.00
29.029	29.029 (1.358)	223	240413			12.36- 112.36	62.02
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	713080	25.0000	20.652	50.00- 150.00	100.00
29.416	29.416 (1.377)	127	90782			0.00- 62.68	12.73
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.580)	43	781110	25.0000	26.376	50.00- 150.00	100.00
8.375	8.375 (0.580)	57	457435			7.26- 107.26	58.56
19 Butane					CAS #: 106-97-8		
6.799	6.799 (0.471)	58	102694	25.0000	27.235	50.00- 150.00	100.00
6.799	6.799 (0.471)	43	972934			927.36-1027.36	947.41
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.172)	83	729032	25.0000	28.233	50.00- 150.00	100.00
16.918	16.918 (1.172)	98	297498			0.00- 92.87	40.81
16.918	16.918 (1.172)	55	686275			45.27- 145.27	94.14

Report Date: 27-Mar-2007 07:13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032608.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->25ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	259290	1.04
97 1,4-Difluorobenze	1041294	624776	1457812	1052064	1.03
126 Chlorobenzene-d5	810428	486257	1134599	810943	0.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.17	-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.i/7-26mar.b/7032608.d

Date : 26-MAR-2007 13:51

Client ID: Level 4

Sample Info: 25mL #1487-164

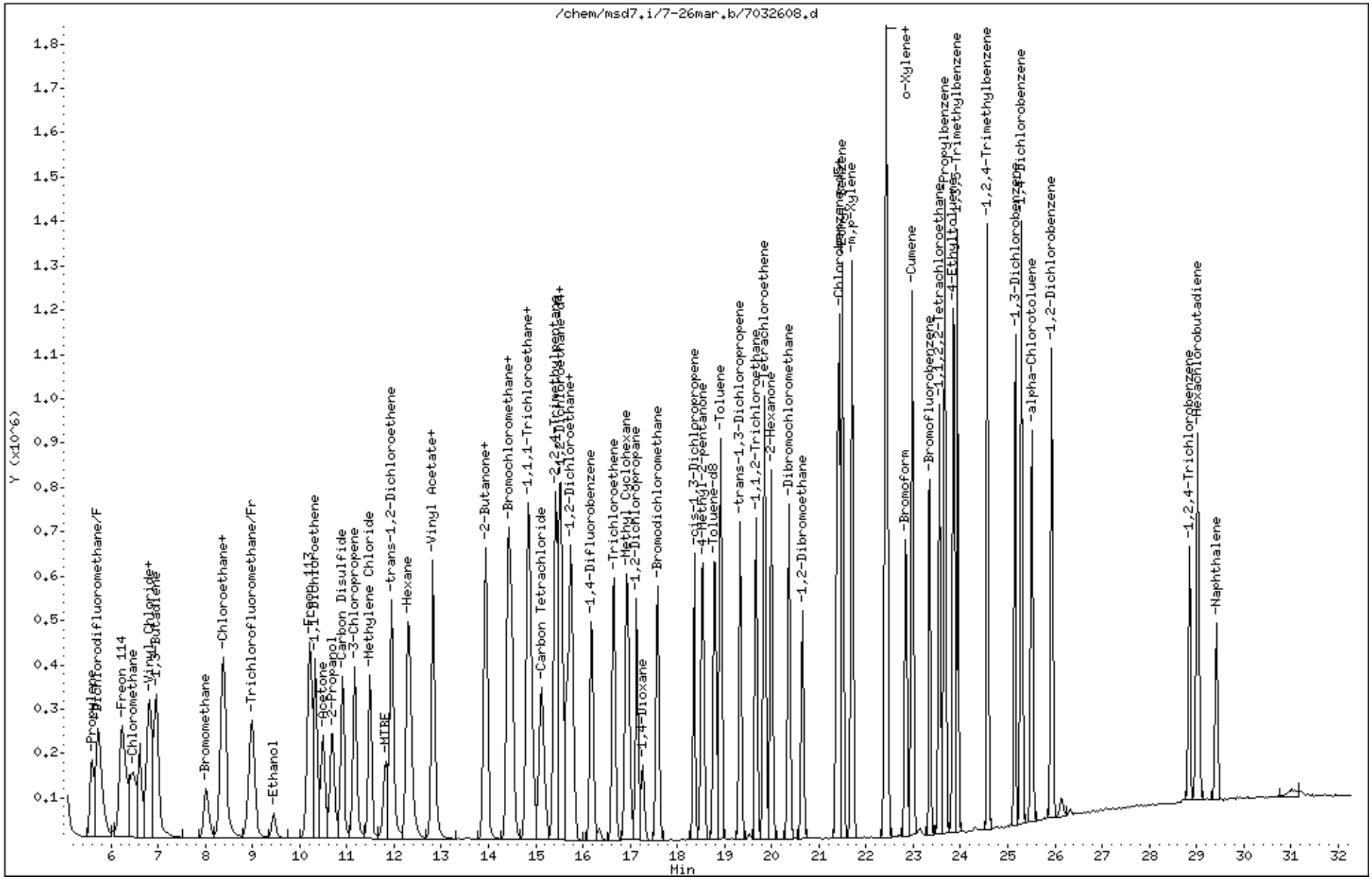
Column phase: RTx-624

Instrument: msd7.i

Operator: lo

Column diameter: 0.53

0121



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032609.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 26-MAR-2007 14:33
Operator : lo Inst ID: msd7.i
Smp Info : 50mL #1487-164
Misc Info : 200ppbv->50ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 14:33 Cal File: 7032609.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	256614	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	197724			27.05- 127.05	77.05
14.430	14.430 (1.000)	49	710420			226.84- 326.84	276.84
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1041294	25.0000		80.00- 120.00	100.00
16.200	16.200 (1.000)	88	171608			0.00- 66.48	16.48
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	810428	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	520853			14.01- 114.01	64.27
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	403493	25.0000	25.206	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	223261			3.94- 103.94	55.33
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1062869	25.0000	25.504	80.00- 120.00	100.00
18.771	18.771 (1.159)	70	121027			0.00- 61.60	11.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	701629			16.47- 116.47	66.01
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.361	23.361 (1.093)	174	470424	25.0000	24.873	80.00- 120.00	100.00
23.361	23.361 (1.093)	95	644549			87.01- 187.01	137.01
23.361	23.361 (1.093)	176	461394			48.08- 148.08	98.08
11 Propylene						CAS #: 115-07-1	
5.610	5.610 (0.389)	41	878242	50.0000	50.598	80.00- 120.00	100.00
5.610	5.610 (0.389)	42	583783			17.69- 117.69	66.47
5.610	5.610 (0.389)	39	642358			23.66- 123.66	73.14
12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
5.748	5.748 (0.398)	85	2202846	50.0000	52.783	80.00- 120.00	100.00
5.748	5.748 (0.398)	87	695188			0.00- 81.16	31.56
16 Freon 114						CAS #: 76-14-2	
6.274	6.274 (0.435)	135	1370300	50.0000	54.096	80.00- 120.00	100.00
6.246	6.246 (0.433)	137	434534			0.00- 81.71	31.71
18 Chloromethane						CAS #: 74-87-3	
6.467	6.467 (0.448)	50	979594	50.0000	51.451	80.00- 120.00	100.00
6.467	6.467 (0.448)	52	314319			0.00- 84.88	32.09
20 Vinyl Chloride						CAS #: 75-01-4	
6.882	6.882 (0.477)	62	1046162	50.0000	53.203	80.00- 120.00	100.00
6.882	6.882 (0.477)	64	325713			0.00- 83.40	31.13
22 1,3-Butadiene						CAS #: 106-99-0	
6.992	6.992 (0.485)	54	834666	50.0000	56.560	80.00- 120.00	100.00
6.992	6.992 (0.485)	39	1030857			95.09- 195.09	123.51
25 Bromomethane						CAS #: 74-83-9	
8.043	8.043 (0.557)	94	591694	50.0000	52.511	80.00- 120.00	100.00
8.043	8.043 (0.557)	96	556466			44.05- 144.05	94.05
27 Chloroethane						CAS #: 75-00-3	
8.375	8.375 (0.580)	64	482646	50.0000	57.023	80.00- 120.00	100.00
8.375	8.375 (0.580)	49	148327			0.00- 80.35	30.73
8.375	8.375 (0.580)	66	146765			0.00- 81.16	30.41
31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
9.011	9.011 (0.624)	101	1983225	50.0000	53.533	80.00- 120.00	100.00
9.011	9.011 (0.624)	103	1276255			14.35- 114.35	64.35

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.655)	45	397075	50.0000	54.110	80.00- 120.00	100.00
9.453	9.453 (0.655)	43	76931			0.00- 70.66	19.37
9.453	9.453 (0.655)	46	143032			0.00- 85.62	36.02
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	1143663	50.0000	53.433	80.00- 120.00	100.00
10.227	10.227 (0.709)	153	727555			13.62- 113.62	63.62
10.227	10.227 (0.709)	101	1500507			81.20- 181.20	131.20
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.366	10.366 (0.718)	61	1551526	50.0000	53.387	80.00- 120.00	100.00
10.366	10.366 (0.718)	96	807778			2.06- 102.06	52.06
10.366	10.366 (0.718)	98	511602			0.00- 82.97	32.97
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	469946	50.0000	51.114	80.00- 120.00	100.00
10.504	10.504 (0.728)	43	1636064			299.51- 399.51	348.14
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	2000931	50.0000	52.141	80.00- 120.00	100.00
10.697	10.697 (0.741)	43	476140			0.00- 73.94	23.80
10.697	10.697 (0.741)	59	73821			0.00- 53.36	3.69
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.919 (0.757)	76	2782081	50.0000	52.131	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.195	11.195 (0.776)	76	464183	50.0000	50.435	80.00- 120.00	100.00
11.168	11.168 (0.774)	41	1633557			296.65- 396.65	351.92
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.499 (0.797)	49	1284587	50.0000	52.649	80.00- 120.00	100.00
11.499	11.499 (0.797)	84	753371			8.65- 108.65	58.65
11.499	11.499 (0.797)	51	375027			0.00- 82.79	29.19
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	1261400	50.0000	50.136	80.00- 120.00	100.00
11.831	11.831 (0.820)	57	325591			0.00- 75.81	25.81
11.831	11.831 (0.820)	41	346646			0.00- 76.34	27.48
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.969	11.969 (0.829)	96	947360	50.0000	55.710	80.00- 120.00	100.00
11.942	11.942 (0.828)	61	1614600			120.43- 220.43	170.43
11.969	11.969 (0.829)	98	595431			12.79- 112.79	62.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.329	12.329 (0.854)	57	1774637	50.0000	54.284	80.00- 120.00	100.00
12.329	12.329 (0.854)	43	1297729			28.75- 128.75	73.13
12.329	12.329 (0.854)	86	219217			0.00- 62.22	12.35
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	202660	50.0000	51.243	80.00- 120.00	100.00
12.826	12.826 (0.889)	43	3418525			1598.34-1698.34	1686.83
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.854	12.854 (0.891)	63	1866429	50.0000	54.481	80.00- 120.00	100.00
12.854	12.854 (0.891)	65	590308			0.00- 81.63	31.63
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	436761	50.0000	58.324	80.00- 120.00	100.00
13.905	13.905 (0.964)	43	2379978			494.92- 594.92	544.92
13.905	13.905 (0.964)	57	155575			0.00- 86.19	35.62
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.960	13.960 (0.967)	61	1392872	50.0000	54.638	80.00- 120.00	100.00
13.960	13.960 (0.967)	96	886894			13.67- 113.67	63.67
13.960	13.960 (0.967)	98	561216			0.00- 90.29	40.29
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.403 (0.998)	42	1379035	50.0000	54.280	80.00- 120.00	100.00
14.430	14.430 (1.000)	71	411504			0.00- 79.84	29.84
14.430	14.430 (1.000)	72	433868			0.00- 79.76	31.46
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	1692093	50.0000	56.574	80.00- 120.00	100.00
14.485	14.485 (1.004)	85	1045966			11.81- 111.81	61.81
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	1513761	50.0000	55.202	80.00- 120.00	100.00
14.845	14.845 (1.029)	99	969181			14.02- 114.02	64.02
85 Cyclohexane					CAS #: 110-82-7		
14.873	14.873 (1.031)	84	1121248	50.0000	54.661	80.00- 120.00	100.00
14.873	14.873 (1.031)	56	1588971			91.71- 191.71	141.71
14.873	14.873 (1.031)	41	983926			37.75- 137.75	87.75
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	1404771	50.0000	54.771	80.00- 120.00	100.00
15.121	15.121 (1.048)	117	1460848			53.99- 153.99	103.99
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	2609872	50.0000	56.372	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.536	15.536 (0.959)	77	580067			0.00- 73.97	22.23
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.426 (1.069)	57	4397113	50.0000	54.656	80.00- 120.00	100.00
15.426	15.426 (1.069)	56	1481355			0.00- 83.49	33.69
15.426	15.426 (1.069)	41	1258104			0.00- 79.02	28.61
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	1167895	50.0000	54.699	80.00- 120.00	100.00
15.647	15.647 (0.966)	64	378476			0.00- 82.64	32.41
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.971)	71	816857	50.0000	54.474	80.00- 120.00	100.00
15.730	15.730 (0.971)	43	1988339			199.88- 299.88	243.41
15.730	15.730 (0.971)	57	939293			66.44- 166.44	114.99
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.029)	95	1005910	50.0000	54.648	80.00- 120.00	100.00
16.670	16.670 (1.029)	130	962562			45.69- 145.69	95.69
16.670	16.670 (1.029)	97	644627			14.08- 114.08	64.08
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	1022965	50.0000	54.953	80.00- 120.00	100.00
17.140	17.140 (1.058)	62	752374			23.55- 123.55	73.55
17.140	17.140 (1.058)	41	692453			17.69- 117.69	67.69
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.067)	88	561116	50.0000	52.957	80.00- 120.00	100.00
17.278	17.278 (1.067)	58	432229			27.03- 127.03	77.03
17.278	17.278 (1.067)	57	150263			0.00- 77.16	26.78
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	1744070	50.0000	55.154	80.00- 120.00	100.00
17.582	17.582 (1.085)	85	1067113			11.19- 111.19	61.19
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	1461890	50.0000	55.912	80.00- 120.00	100.00
18.356	18.356 (1.133)	77	461925			0.00- 81.60	31.60
18.356	18.356 (1.133)	39	936474			14.06- 114.06	64.06
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.145)	58	841413	50.0000	56.900	80.00- 120.00	100.00
18.550	18.550 (1.145)	43	2498896			247.32- 347.32	296.99
18.550	18.550 (1.145)	85	297317			0.00- 86.34	35.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	2705525	50.0000	54.764	80.00- 120.00	100.00
18.909	18.909 (1.167)	92	1676557			11.97- 111.97	61.97
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1483355	50.0000	55.072	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	465935			0.00- 81.41	31.41
19.324	19.324 (0.904)	39	923973			12.29- 112.29	62.29
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.684 (0.921)	97	969537	50.0000	53.110	80.00- 120.00	100.00
19.684	19.684 (0.921)	99	608476			12.76- 112.76	62.76
19.684	19.684 (0.921)	83	859143			38.61- 138.61	88.61
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1185931	50.0000	53.886	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	876350			23.90- 123.90	73.90
19.849	19.849 (0.929)	131	839369			20.78- 120.78	70.78
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1176781	50.0000	53.483	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2477727			160.55- 260.55	210.55
19.988	19.988 (0.935)	100	178157			0.00- 65.44	15.14
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1569652	50.0000	55.472	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1200878			28.67- 128.67	76.51
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1457423	50.0000	54.594	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1378698			44.60- 144.60	94.60
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	2132762	50.0000	54.047	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	688483			0.00- 82.28	32.28
21.425	21.425 (1.003)	77	1635229			26.67- 126.67	76.67
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1075271	50.0000	53.002	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	3488498			270.80- 370.80	324.43
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1389017	50.0000	53.872	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2773549			150.36- 250.36	199.68
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	1201787	50.0000	52.641	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.421	22.421 (1.049)	91	2537540			161.15- 261.15	211.15
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2069502	50.0000	55.671	80.00- 120.00	100.00
22.448	22.448 (1.050)	78	1089799			2.66- 102.66	52.66
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	1324681	50.0000	54.997	80.00- 120.00	100.00
22.863	22.863 (1.070)	171	685910			1.78- 101.78	51.78
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	3124922	50.0000	52.000	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	790438			0.00- 76.34	25.29
22.974	22.974 (1.075)	51	391817			0.00- 63.93	12.54
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1904546	50.0000	52.138	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1158556			10.83- 110.83	60.83
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	4033136	50.0000	52.317	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	858185			0.00- 71.79	21.28
23.665	23.665 (1.107)	105	159819			0.00- 69.81	3.96
145 4-Ethyltoluene					CAS #: 622-96-8		
23.859	23.859 (1.116)	105	3416333	50.0000	52.426	80.00- 120.00	100.00
23.859	23.859 (1.116)	120	998276			0.00- 79.22	29.22
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	2816892	50.0000	51.317	80.00- 120.00	100.00
23.942	23.942 (1.120)	120	1363208			0.00- 98.92	48.39
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.578 (1.150)	105	2594543	50.0000	50.735	80.00- 120.00	100.00
24.578	24.578 (1.150)	120	1204127			0.00- 96.59	46.41
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1791569	50.0000	50.751	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1133734			12.51- 112.51	63.28
25.158	25.158 (1.177)	111	761852			0.00- 92.45	42.52
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1840161	50.0000	51.293	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1172687			13.81- 113.81	63.73
25.296	25.296 (1.184)	111	748048			0.00- 89.91	40.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	2667409	50.0000	51.098	80.00- 120.00	100.00
25.518	25.518 (1.194)	126	518483			0.00- 69.64	19.44
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1633499	50.0000	50.539	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1036400			13.45- 113.45	63.45
25.932	25.932 (1.213)	111	711681			0.00- 93.57	43.57
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.836 (1.349)	180	889701	50.0000	47.579	80.00- 120.00	100.00
28.836	28.836 (1.349)	182	848014			45.31- 145.31	95.31
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	788834	50.0000	46.757	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	494800			12.36- 112.36	62.73
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1632899	50.0000	47.322	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	210013			0.00- 62.68	12.86
29 Isopentane					CAS #: 78-78-4		
8.403	8.403 (0.582)	43	1489479	50.0000	50.820	80.00- 120.00	100.00
8.403	8.403 (0.582)	57	877997			7.26- 107.26	58.95
19 Butane					CAS #: 106-97-8		
6.827	6.827 (0.473)	58	184886	50.0000	49.544	80.00- 120.00	100.00
6.827	6.827 (0.473)	43	1868947			927.36-1027.36	1010.86
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.172)	83	1413011	50.0000	55.292	80.00- 120.00	100.00
16.946	16.946 (1.174)	98	584553			0.00- 92.87	41.37
16.919	16.919 (1.172)	55	1329051			45.27- 145.27	94.06

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032609.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->50ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	256614	0.00
97 1,4-Difluorobenze	1041294	624776	1457812	1041294	0.00
126 Chlorobenzene-d5	810428	486257	1134599	810428	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	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.

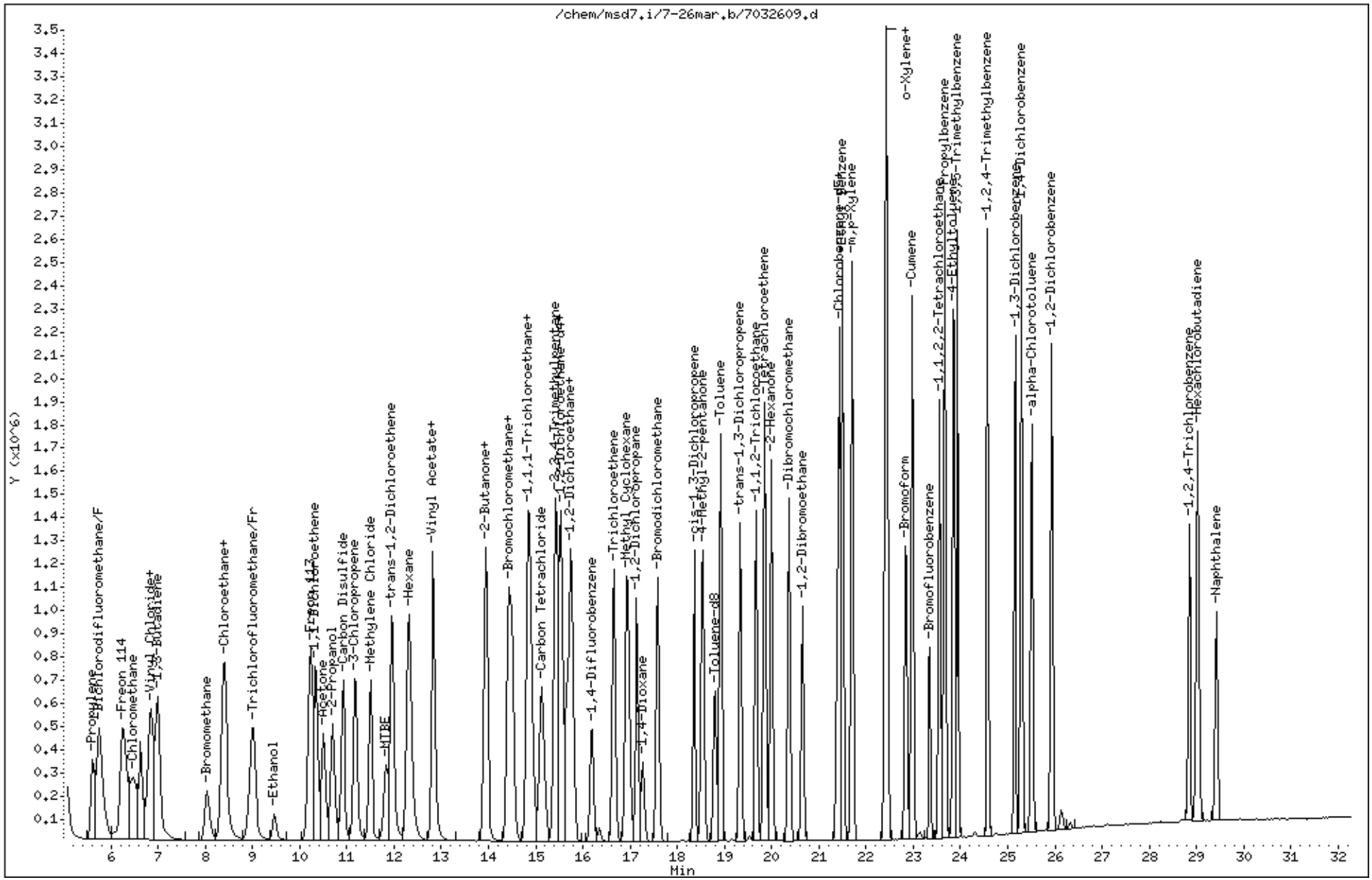
0131

Data File: /chem/msd7.i/7-26mar.b/7032609.d
Date : 26-MAR-2007 14:33
Client ID: Level 5
Sample Info: 50mL #1487-164

Instrument: msd7.i

Operator: lo

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032610.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 26-MAR-2007 15:18
Operator : lo Inst ID: msd7.i
Smp Info : 100mL #1487-164
Misc Info : 200ppbv->100ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 15:18 Cal File: 7032610.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	259362	25.0000		50.00- 150.00	100.00
14.430	14.430 (1.000)	128	198759			27.10- 127.10	76.63
14.430	14.430 (1.000)	49	871429			196.71- 296.71	335.99
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1053204	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	175212			0.00- 66.69	16.64
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	805326	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	518012			14.01- 114.01	64.32
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	405058	25.0000	25.036	50.00- 150.00	100.00
15.508	15.508 (1.075)	67	251150			3.94- 103.94	62.00
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1057582	25.0000	25.091	50.00- 150.00	100.00
18.799	18.799 (1.160)	70	122636			0.00- 61.60	11.60

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	703485			16.47- 116.47	66.52
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	468695	25.0000	24.938	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	636813			85.32- 185.32	135.87
23.361	23.361 (1.093)	176	451780			46.50- 146.50	96.39
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	1713703	100.000	97.684	50.00- 150.00	100.00
5.610	5.610 (0.389)	42	1142236			17.69- 117.69	66.65
5.610	5.610 (0.389)	39	1273323			23.66- 123.66	74.30
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	4154205	100.000	98.486	50.00- 150.00	100.00
5.748	5.748 (0.398)	87	1324661			0.00- 81.16	31.89
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.433)	135	2605564	100.000	101.77	50.00- 150.00	100.00
6.246	6.246 (0.433)	137	822689			0.00- 80.73	31.57
18 Chloromethane					CAS #: 74-87-3		
6.495	6.495 (0.450)	50	1851490	100.000	96.215	50.00- 150.00	100.00
6.495	6.495 (0.450)	52	598804			0.00- 84.88	32.34
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.477)	62	2005981	100.000	100.93	50.00- 150.00	100.00
6.882	6.882 (0.477)	64	631456			0.00- 83.40	31.48
22 1,3-Butadiene					CAS #: 106-99-0		
6.992	6.992 (0.485)	54	1622004	100.000	108.75	50.00- 150.00	100.00
6.992	6.992 (0.485)	39	2043379			95.09- 195.09	125.98
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.557)	94	1127174	100.000	98.974	50.00- 150.00	100.00
8.043	8.043 (0.557)	96	1056261			64.23- 164.23	93.71
27 Chloroethane					CAS #: 75-00-3		
8.375	8.375 (0.580)	64	1000865	100.000	117.00	50.00- 150.00	100.00
8.375	8.375 (0.580)	49	303603			0.00- 80.35	30.33
8.375	8.375 (0.580)	66	303195			0.00- 81.16	30.29
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	9.011 (0.624)	101	3827664	100.000	102.22	50.00- 150.00	100.00
9.011	9.011 (0.624)	103	2498465			16.79- 116.79	65.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.655)	45	751538	100.000	101.33	50.00- 150.00	100.00
9.453	9.453 (0.655)	43	138952			0.00- 70.66	18.49
9.453	9.453 (0.655)	46	281974			0.00- 85.62	37.52
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	2219972	100.000	102.62	50.00- 150.00	100.00
10.227	10.227 (0.709)	153	1409855			12.77- 112.77	63.51
10.227	10.227 (0.709)	101	2896137			80.43- 180.43	130.46
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.366	10.366 (0.718)	61	3005225	100.000	102.31	50.00- 150.00	100.00
10.366	10.366 (0.718)	96	1559949			9.13- 109.13	51.91
10.366	10.366 (0.718)	98	1005807			0.00- 83.10	33.47
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	925420	100.000	99.587	50.00- 150.00	100.00
10.504	10.504 (0.728)	43	3215365			299.51- 399.51	347.45
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	3939434	100.000	101.57	50.00- 150.00	100.00
10.697	10.697 (0.741)	43	885164			0.00- 73.94	22.47
10.697	10.697 (0.741)	59	132978			0.00- 53.36	3.38
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.919 (0.757)	76	5443306	100.000	100.92	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.168 (0.774)	76	907226	100.000	97.528	50.00- 150.00	100.00
11.168	11.168 (0.774)	41	3159849			296.65- 396.65	348.30
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.499 (0.797)	49	2527459	100.000	102.49	50.00- 150.00	100.00
11.499	11.499 (0.797)	84	1483131			8.30- 108.30	58.68
11.499	11.499 (0.797)	51	738903			0.00- 82.79	29.24
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	2224104	100.000	87.464	50.00- 150.00	100.00
11.831	11.831 (0.820)	57	578872			0.00- 74.18	26.03
11.831	11.831 (0.820)	41	603031			0.00- 76.34	27.11
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.828)	96	1812627	100.000	105.46	50.00- 150.00	100.00
11.942	11.942 (0.828)	61	3096694			124.88- 224.88	170.84
11.942	11.942 (0.828)	98	1152141			12.79- 112.79	63.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.329	12.329 (0.854)	57	3440248	100.000	104.12	50.00- 150.00	100.00
12.329	12.329 (0.854)	43	2508441			28.75- 128.75	72.91
12.329	12.329 (0.854)	86	428104			0.00- 62.22	12.44
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	407252	100.000	101.88	50.00- 150.00	100.00
12.826	12.826 (0.889)	43	6635426			1598.34-1698.34	1629.32
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.854	12.854 (0.891)	63	3606054	100.000	104.14	50.00- 150.00	100.00
12.854	12.854 (0.891)	65	1146019			0.00- 82.35	31.78
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	858723	100.000	113.46	50.00- 150.00	100.00
13.905	13.905 (0.964)	43	4677527			569.92- 669.92	544.71
13.905	13.905 (0.964)	57	309111			0.00- 86.19	36.00
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.966)	61	2689836	100.000	104.40	50.00- 150.00	100.00
13.960	13.960 (0.967)	96	1705437			18.85- 118.85	63.40
13.960	13.960 (0.967)	98	1081830			0.00- 91.08	40.22
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.403 (0.998)	42	2701931	100.000	105.22	50.00- 150.00	100.00
14.403	14.403 (0.998)	71	804357			0.00- 79.53	29.77
14.403	14.403 (0.998)	72	848496			0.00- 79.76	31.40
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	3248719	100.000	107.47	50.00- 150.00	100.00
14.485	14.485 (1.004)	85	2011701			12.58- 112.58	61.92
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	2915581	100.000	105.19	50.00- 150.00	100.00
14.845	14.845 (1.029)	99	1875321			13.97- 113.97	64.32
85 Cyclohexane					CAS #: 110-82-7		
14.873	14.873 (1.031)	84	2179685	100.000	105.13	50.00- 150.00	100.00
14.873	14.873 (1.031)	56	3080248			92.29- 192.29	141.32
14.873	14.873 (1.031)	41	1936466			39.68- 139.68	88.84
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	2720027	100.000	104.93	50.00- 150.00	100.00
15.121	15.121 (1.048)	117	2808343			52.28- 152.28	103.25
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	5021026	100.000	107.22	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.536	15.536 (0.959)	77	1134883			0.00- 73.97	22.60
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.426 (1.069)	57	8489068	100.000	104.40	50.00- 150.00	100.00
15.426	15.426 (1.069)	56	2838289			0.00- 83.49	33.43
15.426	15.426 (1.069)	41	2416671			0.00- 79.02	28.47
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	2259342	100.000	104.62	50.00- 150.00	100.00
15.647	15.647 (0.966)	64	732684			0.00- 82.64	32.43
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.971)	71	1606414	100.000	105.92	50.00- 150.00	100.00
15.730	15.730 (0.971)	43	3834393			199.88- 299.88	238.69
15.730	15.730 (0.971)	57	1805668			66.44- 166.44	112.40
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.670 (1.029)	95	1959634	100.000	105.26	50.00- 150.00	100.00
16.670	16.670 (1.029)	130	1848421			43.22- 143.22	94.32
16.670	16.670 (1.029)	97	1246003			15.06- 115.06	63.58
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	1984907	100.000	105.42	50.00- 150.00	100.00
17.140	17.140 (1.058)	62	1444532			22.07- 122.07	72.78
17.140	17.140 (1.058)	41	1326901			18.76- 118.76	66.85
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.067)	88	1078045	100.000	100.59	50.00- 150.00	100.00
17.278	17.278 (1.067)	58	840009			26.99- 126.99	77.92
17.278	17.278 (1.067)	57	293989			0.00- 77.16	27.27
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	3384534	100.000	105.82	50.00- 150.00	100.00
17.582	17.582 (1.085)	85	2067399			11.02- 111.02	61.08
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	2843349	100.000	107.52	50.00- 150.00	100.00
18.356	18.356 (1.133)	77	904258			0.00- 83.44	31.80
18.356	18.356 (1.133)	39	1829611			14.25- 114.25	64.35
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.550 (1.145)	58	1637848	100.000	109.51	50.00- 150.00	100.00
18.550	18.550 (1.145)	43	4881045			247.32- 347.32	298.02
18.550	18.550 (1.145)	85	582406			0.00- 86.34	35.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	5215386	100.000	104.37	50.00- 150.00	100.00
18.909	18.909 (1.167)	92	3213205			11.59- 111.59	61.61
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	2861409	100.000	106.91	50.00- 150.00	100.00
19.324	19.324 (0.904)	77	911211			0.00- 83.30	31.84
19.324	19.324 (0.904)	39	1785447			14.69- 114.69	62.40
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.684 (0.921)	97	1884487	100.000	103.88	50.00- 150.00	100.00
19.684	19.684 (0.921)	99	1167240			12.24- 112.24	61.94
19.684	19.684 (0.921)	83	1663923			36.00- 136.00	88.30
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	2247555	100.000	102.77	50.00- 150.00	100.00
19.849	19.849 (0.929)	129	1662341			24.04- 124.04	73.96
19.849	19.849 (0.929)	131	1592188			21.47- 121.47	70.84
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	2314022	100.000	105.84	50.00- 150.00	100.00
19.988	19.988 (0.935)	43	4845169			163.40- 263.40	209.38
19.988	19.988 (0.935)	100	346540			0.00- 65.44	14.98
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	2966555	100.000	105.50	50.00- 150.00	100.00
20.375	20.375 (0.953)	127	2295520			28.67- 128.67	77.38
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	2803738	100.000	105.69	50.00- 150.00	100.00
20.651	20.651 (0.966)	109	2644124			44.53- 144.53	94.31
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	4004054	100.000	102.11	50.00- 150.00	100.00
21.425	21.425 (1.003)	114	1297862			0.00- 83.67	32.41
21.425	21.425 (1.003)	77	3121640			37.77- 137.77	77.96
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	2040893	100.000	101.24	50.00- 150.00	100.00
21.508	21.508 (1.006)	91	6642357			270.80- 370.80	325.46
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	2599568	100.000	101.46	50.00- 150.00	100.00
21.702	21.702 (1.016)	91	5301525			150.36- 250.36	203.94
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	2261981	100.000	99.707	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.421	22.421 (1.049)	91	4790890			158.39- 258.39	211.80
131 Styrene					CAS #: 100-42-5		
22.449	22.449 (1.050)	104	3912504	100.000	105.92	50.00- 150.00	100.00
22.449	22.449 (1.050)	78	2079465			5.99- 105.99	53.15
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	2504097	100.000	104.62	50.00- 150.00	100.00
22.863	22.863 (1.070)	171	1285510			0.00- 99.92	51.34
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	5885922	100.000	98.564	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	1501207			0.00- 76.34	25.51
22.974	22.974 (1.075)	51	750889			0.00- 63.93	12.76
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	3628813	100.000	99.970	50.00- 150.00	100.00
23.554	23.554 (1.102)	85	2213806			10.61- 110.61	61.01
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	7601177	100.000	99.226	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	1639700			0.00- 71.79	21.57
23.665	23.665 (1.107)	105	276304			0.00- 69.81	3.64
145 4-Ethyltoluene					CAS #: 622-96-8		
23.859	23.859 (1.116)	105	6420207	100.000	99.147	50.00- 150.00	100.00
23.859	23.859 (1.116)	120	1878263			0.00- 79.54	29.26
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	5242164	100.000	96.105	50.00- 150.00	100.00
23.942	23.942 (1.120)	120	2532224			0.00- 98.92	48.30
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.578 (1.150)	105	4860467	100.000	95.646	50.00- 150.00	100.00
24.578	24.578 (1.150)	120	2237465			0.00- 96.59	46.03
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	3367451	100.000	95.997	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	2149255			12.51- 112.51	63.82
25.158	25.158 (1.177)	111	1450061			0.00- 92.45	43.06
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	3424921	100.000	96.072	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	2184090			13.81- 113.81	63.77
25.296	25.296 (1.184)	111	1425114			0.00- 89.91	41.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	5126022	100.000	98.819	50.00- 150.00	100.00
25.518	25.518 (1.194)	126	994025			0.00- 69.64	19.39
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	3058169	100.000	95.216	50.00- 150.00	100.00
25.932	25.932 (1.213)	148	1965075			16.78- 116.78	64.26
25.932	25.932 (1.213)	111	1350962			0.00- 93.53	44.18
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.836 (1.349)	180	1815992	100.000	97.730	50.00- 150.00	100.00
28.836	28.836 (1.349)	182	1739954			45.96- 145.96	95.81
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	1511437	100.000	90.156	50.00- 150.00	100.00
29.029	29.029 (1.358)	223	955898			12.36- 112.36	63.24
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	3334278	100.000	97.242	50.00- 150.00	100.00
29.416	29.416 (1.377)	127	415703			0.00- 62.68	12.47
29 Isopentane					CAS #: 78-78-4		
8.403	8.403 (0.582)	43	2879196	100.000	97.196	50.00- 150.00	100.00
8.403	8.403 (0.582)	57	1707210			7.26- 107.26	59.29
19 Butane					CAS #: 106-97-8		
6.827	6.827 (0.473)	58	363908	100.000	96.484	50.00- 150.00	100.00
6.827	6.827 (0.473)	43	3612447			927.36-1027.36	992.68
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.172)	83	2718259	100.000	105.24	50.00- 150.00	100.00
16.919	16.919 (1.172)	98	1126211			0.00- 92.87	41.43
16.919	16.919 (1.172)	55	2577979			45.27- 145.27	94.84

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032610.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->100ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	259362	1.07
97 1,4-Difluorobenze	1041294	624776	1457812	1053204	1.14
126 Chlorobenzene-d5	810428	486257	1134599	805326	-0.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	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.

0141

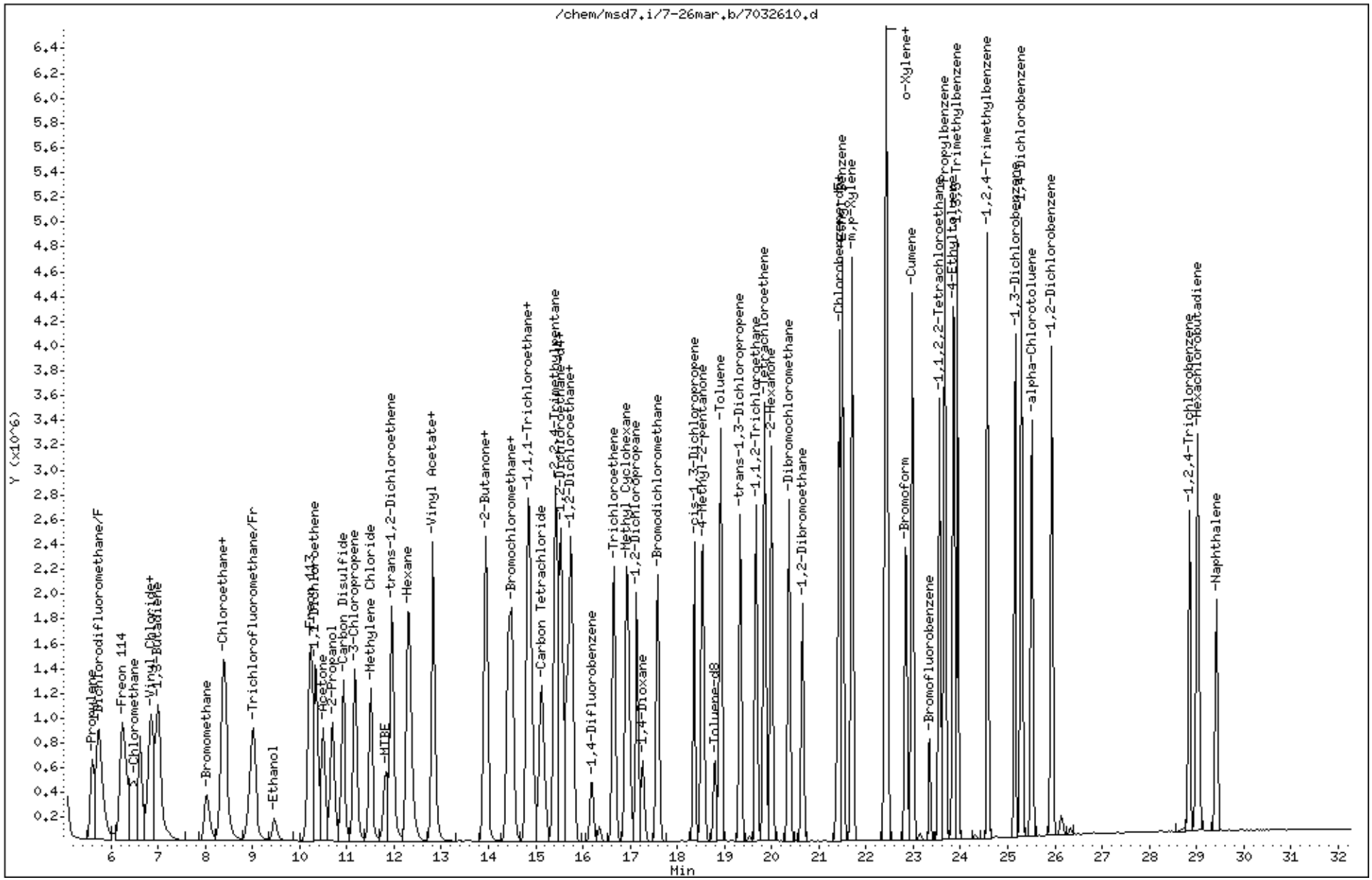
Data File: /chem/msd7.i/7-26mar.b/7032610.d
Date : 26-MAR-2007 15:18
Client ID: Level 6
Sample Info: 100mL #1487-164

Instrument: msd7.i

Operator: lo

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-26mar.b/7032611.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 26-MAR-2007 16:02
Operator : dm Inst ID: msd7.i
Smp Info : 200mL #1487-164
Misc Info : 200ppbv->200ppbv
Comment :
Method : /chem/msd7.i/7-26mar.b/t14q326a.m
Meth Date : 27-Mar-2007 07:13 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
* 81 Bromochloromethane						CAS #: 74-97-5		
14.430	14.430 (1.000)	130	256738	25.0000		50.00- 150.00		100.00
14.430	14.430 (1.000)	128	195440			27.10- 127.10		76.12
14.458	14.458 (1.000)	49	1198853			196.71- 296.71		466.96
* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
16.200	16.200 (1.000)	114	1063477	25.0000		50.00- 150.00		100.00
16.172	16.172 (1.000)	88	174943			0.00- 66.69		16.45
* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	806328	25.0000		50.00- 150.00		100.00
21.370	21.370 (1.000)	82	526828			14.01- 114.01		65.34
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
15.509	15.509 (1.075)	65	424423	25.0000	26.500	50.00- 150.00		100.00
15.509	15.509 (1.075)	67	293365			3.94- 103.94		69.12
$ 113 Toluene-d8						CAS #: 2037-26-5		
18.799	18.799 (1.160)	98	1065220	25.0000	25.028	50.00- 150.00		100.00
18.771	18.771 (1.159)	70	126709			0.00- 61.60		11.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.799 (1.160)	100	714113			16.47- 116.47	67.04
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	493015	25.0000	26.200	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	667018			85.32- 185.32	135.29
23.361	23.361 (1.093)	176	474111			46.50- 146.50	96.17
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	3353554	200.000	193.11	50.00- 150.00	100.00
5.610	5.610 (0.389)	42	2232846			17.69- 117.69	66.58
5.610	5.610 (0.389)	39	2459353			23.66- 123.66	73.34
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	7970718	200.000	190.90	50.00- 150.00	100.00
5.748	5.748 (0.398)	87	2572987			0.00- 81.16	32.28
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.433)	135	4336896	200.000	171.13	50.00- 150.00	100.00
6.246	6.246 (0.433)	137	1388936			0.00- 80.73	32.03
18 Chloromethane					CAS #: 74-87-3		
6.495	6.495 (0.450)	50	3698290	200.000	194.15	50.00- 150.00	100.00
6.522	6.522 (0.452)	52	1174275			0.00- 84.88	31.75
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.475)	62	3882031	200.000	197.33	50.00- 150.00	100.00
6.854	6.854 (0.475)	64	1233416			0.00- 83.40	31.77
22 1,3-Butadiene					CAS #: 106-99-0		
7.020	7.020 (0.486)	54	3207132	200.000	217.22	50.00- 150.00	100.00(A)
7.020	7.020 (0.486)	39	3966459			95.09- 195.09	123.68
25 Bromomethane					CAS #: 74-83-9		
8.016	8.016 (0.555)	94	2152491	200.000	190.94	50.00- 150.00	100.00
8.016	8.016 (0.555)	96	2033022			64.23- 164.23	94.45
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.578)	64	2015440	200.000	238.00	50.00- 150.00	100.00(A)
8.347	8.347 (0.578)	49	614191			0.00- 80.35	30.47
8.347	8.347 (0.578)	66	621006			0.00- 81.16	30.81
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	9.011 (0.624)	101	7510716	200.000	202.64	50.00- 150.00	100.00(A)
9.011	9.011 (0.624)	103	4884637			16.79- 116.79	65.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.481	9.481 (0.657)	45	1303654	200.000	177.56	50.00- 150.00	100.00
9.481	9.481 (0.657)	43	244723			0.00- 70.66	18.77
9.481	9.481 (0.657)	46	490774			0.00- 85.62	37.65
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	4309431	200.000	201.24	50.00- 150.00	100.00(A)
10.227	10.227 (0.709)	153	2755316			12.77- 112.77	63.94
10.227	10.227 (0.709)	101	5678416			80.43- 180.43	131.77
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.366	10.366 (0.718)	61	5903513	200.000	203.04	50.00- 150.00	100.00(A)
10.366	10.366 (0.718)	96	3075200			9.13- 109.13	52.09
10.366	10.366 (0.718)	98	1958082			0.00- 83.10	33.17
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	1833297	200.000	199.30	50.00- 150.00	100.00
10.504	10.504 (0.728)	43	6477981			299.51- 399.51	353.35
46 2-Propanol					CAS #: 67-63-0		
10.698	10.698 (0.741)	45	7870364	200.000	204.99	50.00- 150.00	100.00(A)
10.670	10.670 (0.739)	43	1686391			0.00- 73.94	21.43
10.698	10.698 (0.741)	59	273778			0.00- 53.36	3.48
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.919 (0.757)	76	10581151	200.000	198.18	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.168 (0.774)	76	2028489	200.000	220.29	50.00- 150.00	100.00(A)
11.168	11.168 (0.774)	41	6068538			296.65- 396.65	299.17
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.499 (0.797)	49	5042221	200.000	206.56	50.00- 150.00	100.00(A)
11.499	11.499 (0.797)	84	2945578			8.30- 108.30	58.42
11.499	11.499 (0.797)	51	1505570			0.00- 82.79	29.86
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	3834724	200.000	152.34	50.00- 150.00	100.00
11.831	11.831 (0.820)	57	1007278			0.00- 74.18	26.27
11.831	11.831 (0.820)	41	1026528			0.00- 76.34	26.77
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.828)	96	3527167	200.000	207.32	50.00- 150.00	100.00(A)
11.942	11.942 (0.828)	61	6035486			124.88- 224.88	171.11
11.942	11.942 (0.828)	98	2251777			12.79- 112.79	63.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.852)	57	6740641	200.000	206.09	50.00- 150.00	100.00(A)
12.301	12.301 (0.852)	43	4909588			28.75- 128.75	72.84
12.301	12.301 (0.852)	86	833980			0.00- 62.22	12.37
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.887)	86	799184	200.000	201.98	50.00- 150.00	100.00(A)
12.799	12.799 (0.887)	43	12916791			1598.34-1698.34	1616.25
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.827	12.827 (0.889)	63	6996096	200.000	204.12	50.00- 150.00	100.00(A)
12.827	12.827 (0.889)	65	2227956			0.00- 82.35	31.85
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	1691461	200.000	225.76	50.00- 150.00	100.00(A)
13.905	13.905 (0.964)	43	9204551			569.92- 669.92	544.18
13.905	13.905 (0.964)	57	606641			0.00- 86.19	35.86
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.933	13.933 (0.966)	61	5210137	200.000	204.28	50.00- 150.00	100.00(A)
13.933	13.933 (0.966)	96	3284108			18.85- 118.85	63.03
13.933	13.933 (0.966)	98	2093372			0.00- 91.08	40.18
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.403 (0.998)	42	5295177	200.000	208.32	50.00- 150.00	100.00(A)
14.403	14.403 (0.998)	71	1592036			0.00- 79.53	30.07
14.403	14.403 (0.998)	72	1672653			0.00- 79.76	31.59
82 Chloroform					CAS #: 67-66-3		
14.486	14.486 (1.004)	83	6282644	200.000	209.95	50.00- 150.00	100.00(A)
14.486	14.486 (1.004)	85	3907725			12.58- 112.58	62.20
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	5697729	200.000	207.68	50.00- 150.00	100.00(A)
14.845	14.845 (1.029)	99	3642682			13.97- 113.97	63.93
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.029)	84	4195086	200.000	204.41	50.00- 150.00	100.00(A)
14.845	14.845 (1.029)	56	5978744			92.29- 192.29	142.52
14.845	14.845 (1.029)	41	3773842			39.68- 139.68	89.96
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	5297676	200.000	206.45	50.00- 150.00	100.00(A)
15.121	15.121 (1.048)	117	5486555			52.28- 152.28	103.57
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	9772157	200.000	206.67	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
15.536	15.536 (0.959)	77	2210332			0.00- 73.97	22.62
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
15.426	15.426 (1.069)	57	16488489	200.000	204.85	50.00- 150.00	100.00(A)
15.426	15.426 (1.069)	56	5558147			0.00- 83.49	33.71
15.426	15.426 (1.069)	41	4733030			0.00- 79.02	28.71
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.647	15.647 (0.966)	62	4396743	200.000	201.63	50.00- 150.00	100.00(A)
15.647	15.647 (0.966)	64	1430741			0.00- 82.64	32.54
	94 Heptane				CAS #: 142-82-5		
15.730	15.730 (0.971)	71	3127817	200.000	204.23	50.00- 150.00	100.00(A)
15.730	15.730 (0.971)	43	7446834			199.88- 299.88	238.08
15.730	15.730 (0.971)	57	3517934			66.44- 166.44	112.47
	101 Trichloroethene				CAS #: 79-01-6		
16.670	16.670 (1.029)	95	3760823	200.000	200.05	50.00- 150.00	100.00(A)
16.670	16.670 (1.029)	130	3521712			43.22- 143.22	93.64
16.670	16.670 (1.029)	97	2422637			15.06- 115.06	64.42
	104 1,2-Dichloropropane				CAS #: 78-87-5		
17.140	17.140 (1.058)	63	3881769	200.000	204.18	50.00- 150.00	100.00(A)
17.140	17.140 (1.058)	62	2822856			22.07- 122.07	72.72
17.140	17.140 (1.058)	41	2582024			18.76- 118.76	66.52
	106 1,4-Dioxane				CAS #: 123-91-1		
17.278	17.278 (1.067)	88	2151883	200.000	198.85	50.00- 150.00	100.00
17.278	17.278 (1.067)	58	1664341			26.99- 126.99	77.34
17.278	17.278 (1.067)	57	590847			0.00- 77.16	27.46
	107 Bromodichloromethane				CAS #: 75-27-4		
17.582	17.582 (1.085)	83	6554887	200.000	202.96	50.00- 150.00	100.00(A)
17.582	17.582 (1.085)	85	4031155			11.02- 111.02	61.50
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	5532791	200.000	207.19	50.00- 150.00	100.00(A)
18.356	18.356 (1.133)	77	1763639			0.00- 83.44	31.88
18.356	18.356 (1.133)	39	3572253			14.25- 114.25	64.57
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
18.522	18.522 (1.143)	58	3274545	200.000	216.82	50.00- 150.00	100.00(A)
18.522	18.522 (1.143)	43	9679549			247.32- 347.32	295.60
18.550	18.550 (1.145)	85	1171073			0.00- 86.34	35.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	10069336	200.000	199.57	50.00- 150.00	100.00
18.909	18.909 (1.167)	92	6288054			11.59- 111.59	62.45
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	5609156	200.000	209.31	50.00- 150.00	100.00(A)
19.324	19.324 (0.904)	77	1780356			0.00- 83.30	31.74
19.324	19.324 (0.904)	39	3505778			14.69- 114.69	62.50
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.684 (0.921)	97	3622252	200.000	199.43	50.00- 150.00	100.00
19.684	19.684 (0.921)	99	2278502			12.24- 112.24	62.90
19.684	19.684 (0.921)	83	3221313			36.00- 136.00	88.93
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	4221804	200.000	192.80	50.00- 150.00	100.00
19.849	19.849 (0.929)	129	3182250			24.04- 124.04	75.38
19.849	19.849 (0.929)	131	3056446			21.47- 121.47	72.40
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	4583953	200.000	209.40	50.00- 150.00	100.00(A)
19.988	19.988 (0.935)	43	9616942			163.40- 263.40	209.80
19.988	19.988 (0.935)	100	699341			0.00- 65.44	15.26
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	5683815	200.000	201.89	50.00- 150.00	100.00(A)
20.375	20.375 (0.953)	127	4380701			28.67- 128.67	77.07
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	5381922	200.000	202.63	50.00- 150.00	100.00(A)
20.651	20.651 (0.966)	109	5107890			44.53- 144.53	94.91
127 Chlorobenzene					CAS #: 108-90-7		
21.426	21.426 (1.003)	112	7774477	200.000	198.02	50.00- 150.00	100.00
21.426	21.426 (1.003)	114	2530021			0.00- 83.67	32.54
21.426	21.426 (1.003)	77	6049784			37.77- 137.77	77.82
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	3970385	200.000	196.70	50.00- 150.00	100.00
21.508	21.508 (1.006)	91	12773790			270.80- 370.80	321.73
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	5073450	200.000	197.77	50.00- 150.00	100.00
21.702	21.702 (1.016)	91	10211421			150.36- 250.36	201.27
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	4365520	200.000	192.19	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.393 (1.048)	91	9235862			158.39- 258.39	211.56
131 Styrene					CAS #: 100-42-5		
22.449	22.449 (1.050)	104	7579949	200.000	204.94	50.00- 150.00	100.00(A)
22.449	22.449 (1.050)	78	4061630			5.99- 105.99	53.58
133 Bromoform					CAS #: 75-25-2		
22.863	22.863 (1.070)	173	4747308	200.000	198.10	50.00- 150.00	100.00
22.863	22.863 (1.070)	171	2453410			0.00- 99.92	51.68
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	11459812	200.000	191.66	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	2942264			0.00- 76.34	25.67
22.974	22.974 (1.075)	51	1486816			0.00- 63.93	12.97
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.555	23.555 (1.102)	83	7147560	200.000	196.66	50.00- 150.00	100.00
23.555	23.555 (1.102)	85	4392485			10.61- 110.61	61.45
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	14960151	200.000	195.05	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	3252028			0.00- 71.79	21.74
23.665	23.665 (1.107)	105	549437			0.00- 69.81	3.67
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	12637984	200.000	194.92	50.00- 150.00	100.00
23.859	23.859 (1.116)	120	3736018			0.00- 79.54	29.56
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	10194913	200.000	186.67	50.00- 150.00	100.00
23.942	23.942 (1.120)	120	4944040			0.00- 98.92	48.50
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.578 (1.150)	105	9619579	200.000	189.06	50.00- 150.00	100.00
24.578	24.578 (1.150)	120	4432507			0.00- 96.59	46.08
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	6605665	200.000	188.08	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	4237956			12.51- 112.51	64.16
25.158	25.158 (1.177)	111	2887599			0.00- 92.45	43.71
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	6730541	200.000	188.56	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	4315052			13.81- 113.81	64.11
25.296	25.296 (1.184)	111	2847013			0.00- 89.91	42.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	10402630	200.000	200.29	50.00- 150.00	100.00(A)
25.518	25.518 (1.194)	126	2028871			0.00- 69.64	19.50
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	6137272	200.000	190.85	50.00- 150.00	100.00
25.932	25.932 (1.213)	148	3908224			16.78- 116.78	63.68
25.932	25.932 (1.213)	111	2756634			0.00- 93.53	44.92
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.836 (1.349)	180	4024578	200.000	216.32	50.00- 150.00	100.00(A)
28.836	28.836 (1.349)	182	3818344			45.96- 145.96	94.88
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	3087340	200.000	183.93	50.00- 150.00	100.00
29.029	29.029 (1.358)	223	1959008			12.36- 112.36	63.45
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	7578678	200.000	220.75	50.00- 150.00	100.00(A)
29.416	29.416 (1.377)	127	951718			0.00- 62.68	12.56
29 Isopentane					CAS #: 78-78-4		
8.403	8.403 (0.582)	43	5670321	200.000	193.37	50.00- 150.00	100.00
8.403	8.403 (0.582)	57	3385205			7.26- 107.26	59.70
19 Butane					CAS #: 106-97-8		
6.827	6.827 (0.473)	58	720187	200.000	192.90	50.00- 150.00	100.00
6.827	6.827 (0.473)	43	7054438			927.36-1027.36	979.53
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.172)	83	5352036	200.000	209.33	50.00- 150.00	100.00(A)
16.919	16.919 (1.172)	98	2231128			0.00- 92.87	41.69
16.919	16.919 (1.172)	55	5066951			45.27- 145.27	94.67

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032611.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd7.i/7-26mar.b/t14q326a.m
Misc Info: 200ppbv->200ppbv

Calibration Date: 26-MAR-2007
Calibration Time: 14:33
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	256614	153968	359260	256738	0.05
97 1,4-Difluorobenze	1041294	624776	1457812	1063477	2.13
126 Chlorobenzene-d5	810428	486257	1134599	806328	-0.51

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	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.

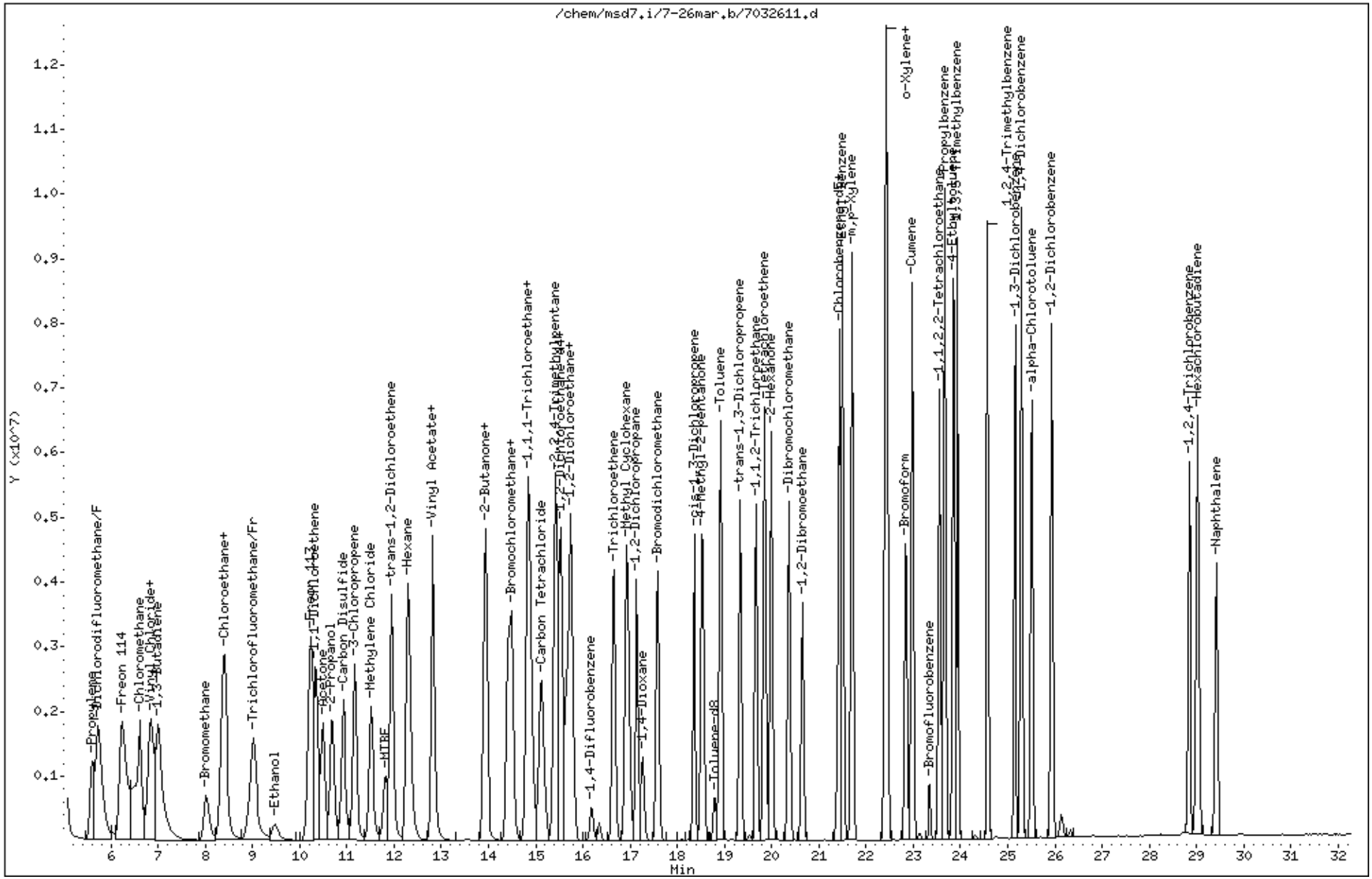
0151

Data File: /chem/msd7.i/7-26mar.b/7032611.d
Date : 26-MAR-2007 16:02
Client ID: Level 7
Sample Info: 200mL #1487-164

Instrument: msd7.i

Operator: dm
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703408-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 09:13 AM**	

Compound	%Recovery
Freon 12	104
Freon 114	106
Vinyl Chloride	103
Bromomethane	87
Chloroethane	113
Freon 11	105
1,1-Dichloroethene	105
Freon 113	106
Methylene Chloride	103
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	107
Chloroform	111
1,1,1-Trichloroethane	109
Carbon Tetrachloride	108
Benzene	109
1,2-Dichloroethane	105
Trichloroethene	107
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	108
Toluene	107
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	104
Tetrachloroethene	106
1,2-Dibromoethane (EDB)	107
Chlorobenzene	106
Ethyl Benzene	104
m,p-Xylene	105
o-Xylene	105
Styrene	109
1,1,2,2-Tetrachloroethane	102
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	101
alpha-Chlorotoluene	101
1,2-Dichlorobenzene	99
1,3-Butadiene	110
Hexane	106
Cyclohexane	108

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703408-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 09:13 AM**	

Compound	%Recovery
Heptane	107
Bromodichloromethane	107
Dibromochloromethane	108
Cumene	102
Propylbenzene	102
Chloromethane	100
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	94
Acetone	100
Carbon Disulfide	103
2-Propanol	102
trans-1,2-Dichloroethene	108
2-Butanone (Methyl Ethyl Ketone)	116
Tetrahydrofuran	106
1,4-Dioxane	103
4-Methyl-2-pentanone	111
2-Hexanone	104
Bromoform	108
4-Ethyltoluene	103
Ethanol	103
Methyl tert-butyl ether	75
3-Chloropropene	100
2,2,4-Trimethylpentane	108
Naphthalene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 27-MAR-2007 09:13
Lab File ID: 7032702.d Init. Cal. Date(s): 26-MAR-2007 26-MAR-2007
Analysis Type: AIR Init. Cal. Times: 11:32 16:02
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd7.i/7-27mar.b/t14q326a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.55953	1.53772	0.010	1.39853	30.00000	Averaged
$ 113 Toluene-d8	1.00053	1.01972	0.010	-1.91827	30.00000	Averaged
$ 137 Bromofluorobenzene	0.58344	0.58185	0.010	0.27135	30.00000	Averaged
11 Propylene	1.69100	1.69776	0.010	-0.39939	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.06580	4.22559	0.010	-3.93009	30.00000	Averaged
16 Freon 114	2.46780	2.62622	0.010	-6.41951	30.00000	Averaged
18 Chloromethane	1.85486	1.86142	0.010	-0.35346	30.00000	Averaged
20 Vinyl Chloride	1.91567	1.97224	0.010	-2.95321	30.00000	Averaged
22 1,3-Butadiene	1.43768	1.58266	0.010	-10.08453	30.00000	Averaged
25 Bromomethane	1.09775	0.95380	0.010	13.11284	30.00000	Averaged
27 Chloroethane	0.82458	0.93259	0.010	-13.09892	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	3.60916	3.79516	0.010	-5.15349	30.00000	Averaged
38 Ethanol	0.71491	0.73492	0.010	-2.79809	30.00000	Averaged
42 Freon 113	2.08521	2.20994	0.010	-5.98148	30.00000	Averaged
43 1,1-Dichloroethene	2.83128	2.96555	0.010	-4.74264	30.00000	Averaged
45 Acetone	0.89572	0.89703	0.010	-0.14678	30.00000	Averaged
46 2-Propanol	3.73864	3.81194	0.010	-1.96058	30.00000	Averaged
47 Carbon Disulfide	5.19912	5.36511	0.010	-3.19258	30.00000	Averaged
51 3-Chloropropene	0.89664	0.89830	0.010	-0.18422	30.00000	Averaged
54 Methylene Chloride	2.37704	2.44157	0.010	-2.71509	30.00000	Averaged
60 MTBE	2.45109	1.84634	0.010	24.67264	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.65670	1.78935	0.010	-8.00690	30.00000	Averaged
65 Hexane	3.18489	3.39490	0.010	-6.59395	30.00000	Averaged
69 Vinyl Acetate	0.38529	0.38953	0.010	-1.10039	30.00000	Averaged
70 1,1-Dichloroethane	3.33755	3.57459	0.010	-7.10225	30.00000	Averaged
75 2-Butanone	0.72955	0.84300	0.010	-15.54960	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.48356	2.66196	0.010	-7.18320	30.00000	Averaged
80 Tetrahydrofuran	2.47513	2.61715	0.010	-5.73796	30.00000	Averaged
82 Chloroform	2.91384	3.24618	0.010	-11.40532	30.00000	Averaged
83 1,1,1-Trichloroethane	2.67156	2.90255	0.010	-8.64616	30.00000	Averaged
85 Cyclohexane	1.99841	2.15545	0.010	-7.85839	30.00000	Averaged
87 Carbon Tetrachloride	2.49872	2.70352	0.010	-8.19644	30.00000	Averaged
89 2,2,4-Trimethylpentane	7.83772	8.47671	0.010	-8.15273	30.00000	Averaged
91 Benzene	1.11154	1.21031	0.010	-8.88675	30.00000	Averaged
93 1,2-Dichloroethane	0.51262	0.53771	0.010	-4.89409	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 27-MAR-2007 09:13
Lab File ID: 7032702.d Init. Cal. Date(s): 26-MAR-2007 26-MAR-2007
Analysis Type: AIR Init. Cal. Times: 11:32 16:02
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd7.i/7-27mar.b/t14q326a.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.36002	0.38679	0.010	-7.43454	30.00000	Averaged
101 Trichloroethene	0.44193	0.47188	0.010	-6.77815	30.00000	Averaged
104 1,2-Dichloropropane	0.44693	0.47654	0.010	-6.62657	30.00000	Averaged
106 1,4-Dioxane	0.25439	0.26240	0.010	-3.14980	30.00000	Averaged
107 Bromodichloromethane	0.75920	0.81336	0.010	-7.13385	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.62774	0.68101	0.010	-8.48618	30.00000	Averaged
111 4-Methyl-2-pentanone	0.35503	0.39285	0.010	-10.65318	30.00000	Averaged
114 Toluene	1.18610	1.26692	0.010	-6.81455	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.83089	0.89325	0.010	-7.50521	30.00000	Averaged
117 1,1,2-Trichloroethane	0.56313	0.58740	0.010	-4.30977	30.00000	Averaged
120 Tetrachloroethene	0.67890	0.72125	0.010	-6.23771	30.00000	Averaged
121 2-Hexanone	0.67874	0.70335	0.010	-3.62653	30.00000	Averaged
122 Dibromochloromethane	0.87288	0.94170	0.010	-7.88327	30.00000	Averaged
123 1,2-Dibromoethane	0.82350	0.88311	0.010	-7.23849	30.00000	Averaged
127 Chlorobenzene	1.21729	1.28794	0.010	-5.80423	30.00000	Averaged
128 Ethyl Benzene	0.62582	0.65143	0.010	-4.09199	30.00000	Averaged
129 m,p-Xylene	0.79537	0.83712	0.010	-5.24865	30.00000	Averaged
130 o-Xylene	0.70426	0.73729	0.010	-4.69093	30.00000	Averaged
131 Styrene	1.14673	1.25552	0.010	-9.48719	30.00000	Averaged
133 Bromoform	0.74301	0.80177	0.010	-7.90722	30.00000	Averaged
134 Cumene	1.85381	1.89715	0.010	-2.33820	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.12684	1.15516	0.010	-2.51380	30.00000	Averaged
142 Propylbenzene	2.37806	2.43353	0.010	-2.33263	30.00000	Averaged
145 4-Ethyltoluene	2.01019	2.06751	0.010	-2.85181	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.69329	1.69523	0.010	-0.11439	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.57754	1.57515	0.010	0.15104	30.00000	Averaged
155 1,3-Dichlorobenzene	1.08896	1.08657	0.010	0.21937	30.00000	Averaged
156 1,4-Dichlorobenzene	1.10668	1.11701	0.010	-0.93333	30.00000	Averaged
159 alpha-Chlorotoluene	1.61031	1.62115	0.010	-0.67324	30.00000	Averaged
161 1,2-Dichlorobenzene	0.99706	0.98614	0.010	1.09489	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.57684	0.55608	0.010	3.59850	30.00000	Averaged
166 Hexachlorobutadiene	0.52043	0.48676	0.010	6.47059	30.00000	Averaged
29 Isopentane	2.85534	2.81140	0.010	1.53897	30.00000	Averaged
19 Butane	0.36355	0.36697	0.010	-0.93907	30.00000	Averaged
102 Methyl Cyclohexane	2.48967	2.74259	0.010	-10.15875	30.00000	Averaged
167 Naphthalene	1.06443	1.00414	0.010	5.66437	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032702.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 27-MAR-2007 09:13
Operator : lo Inst ID: msd7.i
Smp Info : 50mL #1487-164
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 28-Mar-2007 13:47 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane						CAS #: 74-97-5	
14.402	14.402 (1.000)	130	263155	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	204735			27.80- 127.80	77.80
14.402	14.402 (1.000)	49	719942			223.58- 323.58	273.58
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
16.172	16.172 (1.000)	114	1085284	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	182493			0.00- 66.82	16.82
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
21.370	21.370 (1.000)	117	843196	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	544044			14.01- 114.01	64.52
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.508	15.508 (1.077)	65	404658	25.0000	24.650	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	231815			3.94- 103.94	57.29
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.771	18.771 (1.161)	98	1106684	25.0000	25.480	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	127930			0.00- 61.60	11.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.771	18.771 (1.161)	100	728627			16.47- 116.47	65.84
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	490616	25.0000	24.932	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	660051			84.54- 184.54	134.54
23.361	23.361 (1.093)	176	478128			47.45- 147.45	97.45
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	893546	50.0000	50.200	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	599590			17.69- 117.69	67.10
5.610	5.610 (0.390)	39	655681			23.66- 123.66	73.38
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.720	5.720 (0.397)	85	2223970	50.0000	51.965	80.00- 120.00	100.00
5.720	5.720 (0.397)	87	715287			0.00- 81.16	32.16
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.434)	135	1382205	50.0000	53.210	80.00- 120.00	100.00
6.246	6.246 (0.434)	137	443439			0.00- 82.08	32.08
18 Chloromethane					CAS #: 74-87-3		
6.439	6.439 (0.447)	50	979682	50.0000	50.177	80.00- 120.00	100.00
6.467	6.467 (0.449)	52	312804			0.00- 84.88	31.93
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	1038011	50.0000	51.477	80.00- 120.00	100.00
6.854	6.854 (0.476)	64	326924			0.00- 83.40	31.50
22 1,3-Butadiene					CAS #: 106-99-0		
6.965	6.965 (0.484)	54	832972	50.0000	55.042	80.00- 120.00	100.00
6.965	6.965 (0.484)	39	1038546			95.09- 195.09	124.68
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.557)	94	501997	50.0000	43.444	80.00- 120.00	100.00
8.015	8.015 (0.557)	96	474399			44.50- 144.50	94.50
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.580)	64	490834	50.0000	56.549	80.00- 120.00	100.00
8.347	8.347 (0.580)	49	151974			0.00- 80.35	30.96
8.347	8.347 (0.580)	66	151607			0.00- 81.16	30.89
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.983	8.983 (0.624)	101	1997431	50.0000	52.577	80.00- 120.00	100.00
8.983	8.983 (0.624)	103	1291503			14.66- 114.66	64.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.656)	45	386794	50.0000	51.399	80.00- 120.00	100.00
9.453	9.453 (0.656)	43	74037			0.00- 70.66	19.14
9.453	9.453 (0.656)	46	143259			0.00- 85.62	37.04
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	1163113	50.0000	52.991	80.00- 120.00	100.00
10.200	10.200 (0.708)	153	749219			14.41- 114.41	64.41
10.200	10.200 (0.708)	101	1528283			81.40- 181.40	131.40
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.718)	61	1560800	50.0000	52.371	80.00- 120.00	100.00
10.338	10.338 (0.718)	96	825632			2.90- 102.90	52.90
10.338	10.338 (0.718)	98	526348			0.00- 83.72	33.72
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.729)	58	472116	50.0000	50.073	80.00- 120.00	100.00
10.476	10.476 (0.727)	43	1657181			299.51- 399.51	351.01
46 2-Propanol					CAS #: 67-63-0		
10.670	10.670 (0.741)	45	2006263	50.0000	50.980	80.00- 120.00	100.00
10.670	10.670 (0.741)	43	426918			0.00- 73.94	21.28
10.670	10.670 (0.741)	59	70567			0.00- 53.36	3.52
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.756)	76	2823709	50.0000	51.596	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.775)	76	472782	50.0000	50.092	80.00- 120.00	100.00
11.167	11.167 (0.775)	41	1592199			296.65- 396.65	336.77
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	1285025	50.0000	51.358	80.00- 120.00	100.00
11.472	11.472 (0.796)	84	770439			9.96- 109.96	59.96
11.472	11.472 (0.796)	51	372022			0.00- 82.79	28.95
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	971749	50.0000	37.664	80.00- 120.00	100.00
11.831	11.831 (0.821)	57	244066			0.00- 75.12	25.12
11.803	11.803 (0.820)	41	258208			0.00- 76.34	26.57
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	941754	50.0000	54.003	80.00- 120.00	100.00
11.942	11.942 (0.829)	61	1613799			121.36- 221.36	171.36
11.942	11.942 (0.829)	98	598146			12.79- 112.79	63.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	1786769	50.0000	53.297	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	1286809			28.75- 128.75	72.02
12.301	12.301 (0.854)	86	223784			0.00- 62.22	12.52
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	205014	50.0000	50.550	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	3379466			1598.34-1698.34	1648.41
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	1881344	50.0000	53.551	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	591980			0.00- 81.47	31.47
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	443677	50.0000	57.775	80.00- 120.00	100.00
13.905	13.905 (0.965)	43	2410158			493.22- 593.22	543.22
13.905	13.905 (0.965)	57	156070			0.00- 86.19	35.18
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	1401017	50.0000	53.592	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	896721			14.01- 114.01	64.01
13.932	13.932 (0.967)	98	560262			0.00- 89.99	39.99
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (1.000)	42	1377432	50.0000	52.869	80.00- 120.00	100.00
14.402	14.402 (1.000)	71	410148			0.00- 79.78	29.78
14.402	14.402 (1.000)	72	437455			0.00- 79.76	31.76
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	1708495	50.0000	55.703	80.00- 120.00	100.00
14.485	14.485 (1.006)	85	1041674			10.97- 110.97	60.97
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	1527640	50.0000	54.323	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	974360			13.78- 113.78	63.78
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	1134434	50.0000	53.929	80.00- 120.00	100.00
14.845	14.845 (1.031)	56	1603768			91.37- 191.37	141.37
14.845	14.845 (1.031)	41	1008852			38.93- 138.93	88.93
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	1422892	50.0000	54.098	80.00- 120.00	100.00
15.121	15.121 (1.050)	117	1459707			52.59- 152.59	102.59
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	4461376	50.0000	54.076	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.425	15.425 (1.071)	56	1489852			0.00- 83.49	33.39
15.425	15.425 (1.071)	41	1256071			0.00- 79.02	28.15
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	2627071	50.0000	54.443	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	598113			0.00- 73.97	22.77
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1167126	50.0000	52.447	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	376753			0.00- 82.64	32.28
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	839545	50.0000	53.717	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1982504			199.88- 299.88	236.14
15.730	15.730 (0.973)	57	940002			66.44- 166.44	111.97
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	1024251	50.0000	53.389	80.00- 120.00	100.00
16.642	16.642 (1.029)	130	976781			45.37- 145.37	95.37
16.642	16.642 (1.029)	97	656232			14.07- 114.07	64.07
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	1034368	50.0000	53.313	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	757794			23.26- 123.26	73.26
17.140	17.140 (1.060)	41	689083			16.62- 116.62	66.62
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	569561	50.0000	51.575	80.00- 120.00	100.00
17.278	17.278 (1.068)	58	434437			26.28- 126.28	76.28
17.278	17.278 (1.068)	57	152294			0.00- 77.16	26.74
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.087)	83	1765453	50.0000	53.567	80.00- 120.00	100.00
17.582	17.582 (1.087)	85	1085993			11.51- 111.51	61.51
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1478182	50.0000	54.243	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	471668			0.00- 81.91	31.91
18.356	18.356 (1.135)	39	940764			13.64- 113.64	63.64
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	852707	50.0000	55.326	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2513877			247.32- 347.32	294.81
18.550	18.550 (1.147)	85	307451			0.00- 86.34	36.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	2749946	50.0000	53.407	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	1697973			11.75- 111.75	61.75
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1506367	50.0000	53.753	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	476985			0.00- 81.66	31.66
19.324	19.324 (0.904)	39	924252			11.36- 111.36	61.36
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	990594	50.0000	52.155	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	615958			12.18- 112.18	62.18
19.683	19.683 (0.921)	83	869106			37.74- 137.74	87.74
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1216309	50.0000	53.119	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	896236			23.68- 123.68	73.68
19.849	19.849 (0.929)	131	859907			20.70- 120.70	70.70
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1186128	50.0000	51.813	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2483891			159.41- 259.41	209.41
19.988	19.988 (0.935)	100	178632			0.00- 65.44	15.06
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1588067	50.0000	53.942	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1230589			28.67- 128.67	77.49
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1489267	50.0000	53.619	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1406762			44.46- 144.46	94.46
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	2171979	50.0000	52.902	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	709162			0.00- 82.65	32.65
21.425	21.425 (1.003)	77	1666626			26.73- 126.73	76.73
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1098564	50.0000	52.046	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	3557808			270.80- 370.80	323.86
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1411711	50.0000	52.624	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2814843			150.36- 250.36	199.39
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	1243362	50.0000	52.345	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.393 (1.048)	91	2589347			158.25- 258.25	208.25
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2117305	50.0000	54.744	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	1112160			2.53- 102.53	52.53
133 Bromoform					CAS #: 75-25-2		
22.835	22.835 (1.069)	173	1352091	50.0000	53.954	80.00- 120.00	100.00
22.835	22.835 (1.069)	171	696079			1.48- 101.48	51.48
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	3199346	50.0000	51.169	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	816642			0.00- 76.34	25.53
22.974	22.974 (1.075)	51	389310			0.00- 63.93	12.17
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1948058	50.0000	51.257	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1184196			10.79- 110.79	60.79
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	4103881	50.0000	51.166	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	879820			0.00- 71.79	21.44
23.665	23.665 (1.107)	105	148451			0.00- 69.81	3.62
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	3486639	50.0000	51.426	80.00- 120.00	100.00
23.858	23.858 (1.116)	120	1014971			0.00- 79.11	29.11
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	2858815	50.0000	50.057	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	1386023			0.00- 98.92	48.48
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	2656326	50.0000	49.924	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1227775			0.00- 96.59	46.22
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1832386	50.0000	49.890	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1174292			12.51- 112.51	64.09
25.158	25.158 (1.177)	111	784300			0.00- 92.45	42.80
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1883713	50.0000	50.467	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1207158			13.81- 113.81	64.08
25.296	25.296 (1.184)	111	768659			0.00- 89.91	40.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	2733889	50.0000	50.337	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	535953			0.00- 69.64	19.60
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1663016	50.0000	49.452	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1060763			13.79- 113.79	63.79
25.932	25.932 (1.213)	111	727426			0.00- 93.74	43.74
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	937774	50.0000	48.201	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	890836			44.99- 144.99	94.99
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	820866	50.0000	46.765	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	516701			12.36- 112.36	62.95
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.581)	43	1479667	50.0000	49.230	80.00- 120.00	100.00
8.375	8.375 (0.581)	57	881582			7.26- 107.26	59.58
19 Butane					CAS #: 106-97-8		
6.799	6.799 (0.472)	58	193139	50.0000	50.470	80.00- 120.00	100.00
6.799	6.799 (0.472)	43	1845966			927.36-1027.36	955.77
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.175)	83	1443453	50.0000	55.079	80.00- 120.00	100.00
16.918	16.918 (1.175)	98	604996			0.00- 92.87	41.91
16.918	16.918 (1.175)	55	1356202			45.27- 145.27	93.96
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1693369	50.0000	47.168	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	210055			0.00- 62.68	12.40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

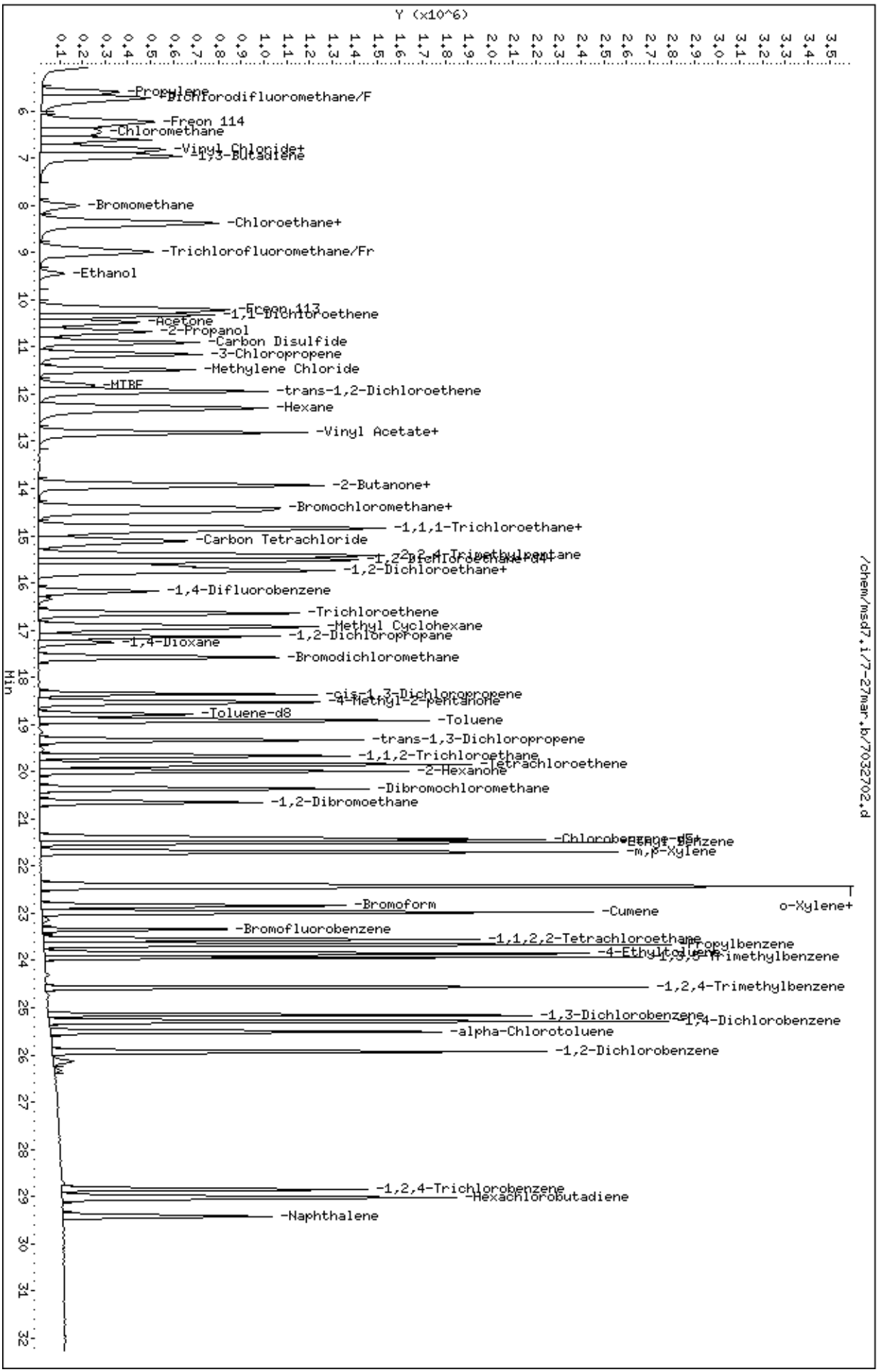
Instrument ID: msd7.i
Lab File ID: 7032702.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	263155	0.00
97 1,4-Difluorobenze	1085284	651170	1519398	1085284	0.00
126 Chlorobenzene-d5	843196	505918	1180474	843196	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
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.



Data File: /chem/msd7.i/7-27mar.b/7032702.d
Date : 27-MAR-2007 09:13
Client ID: CCV-1
Sample Info: 50mL #1487-164
Column phase: RTx-624

Instrument: msd7.i
Operator: lo
Column diameter: 0.53

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703408-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 09:56 AM**	

Compound	%Recovery
Freon 12	100
Freon 114	106
Vinyl Chloride	104
Bromomethane	122
Chloroethane	130
Freon 11	108
1,1-Dichloroethene	119
Freon 113	121
Methylene Chloride	116
1,1-Dichloroethane	114
cis-1,2-Dichloroethene	111
Chloroform	116
1,1,1-Trichloroethane	113
Carbon Tetrachloride	112
Benzene	113
1,2-Dichloroethane	110
Trichloroethene	110
1,2-Dichloropropane	108
cis-1,3-Dichloropropene	110
Toluene	114
trans-1,3-Dichloropropene	111
1,1,2-Trichloroethane	108
Tetrachloroethene	111
1,2-Dibromoethane (EDB)	108
Chlorobenzene	109
Ethyl Benzene	106
m,p-Xylene	107
o-Xylene	106
Styrene	112
1,1,2,2-Tetrachloroethane	104
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	99
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	98
1,3-Butadiene	110
Hexane	111
Cyclohexane	112

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703408-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7032703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/27/07 09:56 AM**	

Compound	%Recovery
Heptane	111
Bromodichloromethane	110
Dibromochloromethane	113
Cumene	107
Propylbenzene	106
Chloromethane	108
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	90
Acetone	114
Carbon Disulfide	107
2-Propanol	108
trans-1,2-Dichloroethene	112
2-Butanone (Methyl Ethyl Ketone)	120
Tetrahydrofuran	109
1,4-Dioxane	101
4-Methyl-2-pentanone	112
2-Hexanone	104
Bromoform	113
4-Ethyltoluene	106
Ethanol	113
Methyl tert-butyl ether	86
3-Chloropropene	106
2,2,4-Trimethylpentane	110
Naphthalene	134

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130

Report Date: 27-Mar-2007 10:18

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-27mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lo
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	49.997	99.99	70-130
16 Freon 114	50.000	53.163	106.33	70-130
18 Chloromethane	50.000	53.880	107.76	70-130
20 Vinyl Chloride	50.000	52.013	104.03	70-130
22 1,3-Butadiene	50.000	55.051	110.10	60-140
25 Bromomethane	50.000	61.263	122.53	70-130
27 Chloroethane	50.000	64.954	129.91	70-130
31 Trichlorofluoromet	50.000	54.072	108.14	70-130
38 Ethanol	50.000	56.621	113.24	60-140
42 Freon 113	50.000	60.644	121.29	70-130
43 1,1-Dichloroethene	50.000	59.610	119.22	70-130
45 Acetone	50.000	56.977	113.95	60-140
47 Carbon Disulfide	50.000	53.432	106.86	60-140
46 2-Propanol	50.000	53.764	107.53	60-140
54 Methylene Chloride	50.000	57.856	115.71	70-130
60 MTBE	50.000	43.123	86.25	60-140
61 trans-1,2-Dichloro	50.000	55.862	111.72	60-140
65 Hexane	50.000	55.400	110.80	60-140
69 Vinyl Acetate	50.000	53.362	106.72	60-140
70 1,1-Dichloroethane	50.000	57.201	114.40	70-130
76 cis-1,2-Dichloroet	50.000	55.696	111.39	70-130
75 2-Butanone	50.000	60.123	120.25	60-140
80 Tetrahydrofuran	50.000	54.607	109.21	60-140
82 Chloroform	50.000	58.202	116.40	70-130
85 Cyclohexane	50.000	55.772	111.54	60-140
83 1,1,1-Trichloroeth	50.000	56.619	113.24	70-130
87 Carbon Tetrachlori	50.000	55.788	111.58	70-130
91 Benzene	50.000	56.325	112.65	70-130
93 1,2-Dichloroethane	50.000	54.840	109.68	70-130
94 Heptane	50.000	55.595	111.19	60-140
101 Trichloroethene	50.000	54.832	109.66	70-130
104 1,2-Dichloropropan	50.000	53.908	107.82	70-130
106 1,4-Dioxane	50.000	50.437	100.87	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	55.225	110.45	60-140
110 cis-1,3-Dichloropr	50.000	54.898	109.80	70-130
111 4-Methyl-2-pentano	50.000	56.250	112.50	60-140
114 Toluene	50.000	57.298	114.60	70-130
116 trans-1,3-Dichloro	50.000	55.547	111.09	70-130
117 1,1,2-Trichloroeth	50.000	54.268	108.54	70-130
120 Tetrachloroethene	50.000	55.410	110.82	70-130
121 2-Hexanone	50.000	52.021	104.04	60-140
122 Dibromochlorometha	50.000	56.520	113.04	60-140
123 1,2-Dibromoethane	50.000	54.057	108.11	70-130
127 Chlorobenzene	50.000	54.701	109.40	70-130
128 Ethyl Benzene	50.000	53.067	106.13	70-130
129 m,p-Xylene	50.000	53.459	106.92	70-130
130 o-Xylene	50.000	53.080	106.16	70-130
131 Styrene	50.000	56.210	112.42	70-130
133 Bromoform	50.000	56.606	113.21	60-140
140 1,1,2,2-Tetrachlor	50.000	52.176	104.35	70-130
145 4-Ethyltoluene	50.000	52.812	105.62	60-140
147 1,3,5-Trimethylben	50.000	50.553	101.11	70-130
150 1,2,4-Trimethylben	50.000	50.244	100.49	70-130
155 1,3-Dichlorobenzen	50.000	50.085	100.17	70-130
156 1,4-Dichlorobenzen	50.000	49.635	99.27	70-130
159 alpha-Chlorotoluen	50.000	52.527	105.05	70-130
161 1,2-Dichlorobenzen	50.000	48.995	97.99	70-130
165 1,2,4-Trichloroben	50.000	46.096	92.19	70-130
166 Hexachlorobutadien	50.000	45.165	90.33	70-130
142 Propylbenzene	50.000	53.155	106.31	60-140
134 Cumene	50.000	53.597	107.19	60-140
51 3-Chloropropene	50.000	52.754	105.51	60-140
89 2,2,4-Trimethylpen	50.000	55.116	110.23	60-140
29 Isopentane	50.000	49.385	98.77	70-130
19 Butane	50.000	50.531	101.06	70-130
102 Methyl Cyclohexane	50.000	56.073	112.15	70-130
11 Propylene	50.000	51.812	103.62	60-140
167 Naphthalene	50.000	66.796	133.59	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.654	98.61	70-130
$ 113 Toluene-d8	25.000	25.208	100.83	70-130
$ 137 Bromofluorobenzene	25.000	24.799	99.20	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-27mar.b/7032703.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 27-MAR-2007 09:56
Operator : lo Inst ID: msd7.i
Smp Info : 50mL #1408-408
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-27mar.b/t14q326a.m
Meth Date : 27-Mar-2007 09:48 lover Quant Type: ISTD
Cal Date : 26-MAR-2007 16:02 Cal File: 7032611.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		
14.430	14.402 (1.000)	130	264973	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	203260			27.80- 127.80	76.71
14.430	14.402 (1.000)	49	734610			223.58- 323.58	277.24
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	1096500	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	185656			0.00- 66.82	16.93
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	835616	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	542040			14.01- 114.01	64.87
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	407508	24.6537	24.654	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	237040			3.94- 103.94	58.17
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	1106216	25.2083	25.208	80.00- 120.00	100.00
18.771	18.771 (1.159)	70	127228			0.00- 61.60	11.50

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.799	18.771 (1.160)	100	734339			16.47- 116.47	66.38
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	483605	24.7988	24.799	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	652892			84.54- 184.54	135.01
23.361	23.361 (1.093)	176	467713			47.45- 147.45	96.71
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	928623	51.8124	51.812	80.00- 120.00	100.00
5.610	5.610 (0.389)	42	615734			17.69- 117.69	66.31
5.610	5.610 (0.389)	39	687140			23.66- 123.66	74.00
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.720 (0.398)	85	2154521	49.9969	49.997	80.00- 120.00	100.00
5.748	5.720 (0.398)	87	689724			0.00- 81.16	32.01
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.433)	135	1390521	53.1626	53.163	80.00- 120.00	100.00
6.273	6.246 (0.435)	137	403046			0.00- 82.08	28.99
18 Chloromethane					CAS #: 74-87-3		
6.495	6.439 (0.450)	50	1059261	53.8803	53.880	80.00- 120.00	100.00
6.495	6.439 (0.450)	52	325256			0.00- 84.88	30.71
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.854 (0.477)	62	1056073	52.0130	52.013	80.00- 120.00	100.00
6.882	6.854 (0.477)	64	335742			0.00- 83.40	31.79
22 1,3-Butadiene					CAS #: 106-99-0		
6.992	6.965 (0.485)	54	838856	55.0508	55.051	80.00- 120.00	100.00
6.992	6.965 (0.485)	39	1042684			95.09- 195.09	124.30
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.555)	94	712791	61.2628	61.263	80.00- 120.00	100.00
8.015	8.015 (0.555)	96	675089			44.50- 144.50	94.71
27 Chloroethane					CAS #: 75-00-3		
8.375	8.347 (0.580)	64	567682	64.9545	64.954	80.00- 120.00	100.00
8.347	8.347 (0.578)	49	172215			0.00- 80.35	30.34
8.375	8.347 (0.580)	66	178445			0.00- 81.16	31.43
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.011	8.983 (0.624)	101	2068423	54.0719	54.072	80.00- 120.00	100.00
9.011	8.983 (0.624)	103	1346378			14.66- 114.66	65.09

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.481	9.453 (0.657)	45	429035	56.6211	56.621	80.00- 120.00	100.00
9.481	9.453 (0.657)	43	85395			0.00- 70.66	19.90
9.481	9.453 (0.657)	46	157086			0.00- 85.62	36.61
42 Freon 113					CAS #: 76-13-1		
10.227	10.200 (0.709)	151	1340304	60.6445	60.644	80.00- 120.00	100.00
10.227	10.200 (0.709)	153	859274			14.41- 114.41	64.11
10.227	10.200 (0.709)	101	1751700			81.40- 181.40	130.69
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.716)	61	1788801	59.6099	59.610	80.00- 120.00	100.00
10.366	10.338 (0.718)	96	946981			2.90- 102.90	52.94
10.366	10.338 (0.718)	98	593506			0.00- 83.72	33.18
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	540918	56.9770	56.977	80.00- 120.00	100.00
10.504	10.504 (0.728)	43	1905557			299.51- 399.51	352.28
46 2-Propanol					CAS #: 67-63-0		
10.697	10.670 (0.741)	45	2130448	53.7645	53.764	80.00- 120.00	100.00
10.697	10.670 (0.741)	43	446898			0.00- 73.94	20.98
10.697	10.670 (0.741)	59	77939			0.00- 53.36	3.66
47 Carbon Disulfide					CAS #: 75-15-0		
10.919	10.891 (0.757)	76	2944353	53.4316	53.432	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.774)	76	501351	52.7546	52.754	80.00- 120.00	100.00
11.167	11.167 (0.774)	41	1711577			296.65- 396.65	341.39
54 Methylene Chloride					CAS #: 75-09-2		
11.499	11.472 (0.797)	49	1457617	57.8557	57.856	80.00- 120.00	100.00
11.499	11.472 (0.797)	84	878845			9.96- 109.96	60.29
11.499	11.472 (0.797)	51	425908			0.00- 82.79	29.22
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	1120287	43.1229	43.123	80.00- 120.00	100.00
11.831	11.831 (0.820)	57	286934			0.00- 75.12	25.61
11.831	11.831 (0.820)	41	298490			0.00- 76.34	26.64
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.828)	96	980890	55.8617	55.862	80.00- 120.00	100.00
11.942	11.942 (0.828)	61	1666552			121.36- 221.36	169.90
11.942	11.942 (0.828)	98	626091			12.79- 112.79	63.83

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.329	12.301 (0.854)	57	1870119	55.4005	55.400	80.00- 120.00	100.00
12.329	12.301 (0.854)	43	1337608			28.75- 128.75	71.53
12.329	12.301 (0.854)	86	232761			0.00- 62.22	12.45
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.799 (0.889)	86	217912	53.3618	53.362	80.00- 120.00	100.00
12.799	12.799 (0.887)	43	3563365			1598.34-1698.34	1635.23
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.889)	63	2023469	57.2014	57.201	80.00- 120.00	100.00
12.826	12.826 (0.889)	65	642769			0.00- 81.47	31.77
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	464899	60.1229	60.123	80.00- 120.00	100.00
13.905	13.905 (0.964)	43	2525041			493.22- 593.22	543.14
13.905	13.905 (0.964)	57	168954			0.00- 86.19	36.34
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.966)	61	1466079	55.6956	55.696	80.00- 120.00	100.00
13.932	13.932 (0.966)	96	939344			14.01- 114.01	64.07
13.960	13.932 (0.967)	98	591440			0.00- 89.99	40.34
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (0.998)	42	1432534	54.6067	54.607	80.00- 120.00	100.00
14.402	14.402 (0.998)	71	437842			0.00- 79.78	30.56
14.402	14.402 (0.998)	72	461248			0.00- 79.76	32.20
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	1797480	58.2018	58.202	80.00- 120.00	100.00
14.485	14.485 (1.004)	85	1114124			10.97- 110.97	61.98
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	1603207	56.6191	56.619	80.00- 120.00	100.00
14.845	14.845 (1.029)	99	1022060			13.78- 113.78	63.75
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.845 (1.031)	84	1181299	55.7718	55.772	80.00- 120.00	100.00
14.872	14.845 (1.031)	56	1648498			91.37- 191.37	139.55
14.845	14.845 (1.029)	41	1028321			38.93- 138.93	87.05
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.094 (1.048)	119	1477480	55.7882	55.788	80.00- 120.00	100.00
15.121	15.094 (1.048)	117	1534829			52.59- 152.59	103.88
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.069)	57	4578523	55.1155	55.116	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.425	15.425 (1.069)	56	1534452			0.00- 83.49	33.51
15.425	15.425 (1.069)	41	1292224			0.00- 79.02	28.22
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.959)	78	2745958	56.3251	56.325	80.00- 120.00	100.00
15.536	15.536 (0.959)	77	620192			0.00- 73.97	22.59
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.966)	62	1232983	54.8397	54.840	80.00- 120.00	100.00
15.647	15.647 (0.966)	64	396698			0.00- 82.64	32.17
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.971)	71	877879	55.5955	55.595	80.00- 120.00	100.00
15.730	15.730 (0.971)	43	2046229			199.88- 299.88	233.09
15.730	15.730 (0.971)	57	965027			66.44- 166.44	109.93
101 Trichloroethene					CAS #: 79-01-6		
16.670	16.642 (1.029)	95	1062813	54.8324	54.832	80.00- 120.00	100.00
16.670	16.642 (1.029)	130	1006558			45.37- 145.37	94.71
16.670	16.642 (1.029)	97	680110			14.07- 114.07	63.99
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.058)	63	1056710	53.9077	53.908	80.00- 120.00	100.00
17.140	17.140 (1.058)	62	770665			23.26- 123.26	72.93
17.140	17.140 (1.058)	41	704640			16.62- 116.62	66.68
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.067)	88	562751	50.4370	50.437	80.00- 120.00	100.00
17.278	17.278 (1.067)	58	432149			26.28- 126.28	76.79
17.278	17.278 (1.067)	57	154665			0.00- 77.16	27.48
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.085)	83	1838911	55.2250	55.225	80.00- 120.00	100.00
17.582	17.582 (1.085)	85	1122816			11.51- 111.51	61.06
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.133)	75	1511485	54.8978	54.898	80.00- 120.00	100.00
18.356	18.356 (1.133)	77	480778			0.00- 81.91	31.81
18.356	18.356 (1.133)	39	955653			13.64- 113.64	63.23
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.550	18.522 (1.145)	58	875899	56.2500	56.250	80.00- 120.00	100.00
18.522	18.522 (1.143)	43	2575720			247.32- 347.32	294.07
18.550	18.522 (1.145)	85	318436			0.00- 86.34	36.36

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	2980799	57.2986	57.298	80.00- 120.00	100.00
18.909	18.909 (1.167)	92	1844479			11.75- 111.75	61.88
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1542672	55.5474	55.547	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	486252			0.00- 81.66	31.52
19.324	19.324 (0.904)	39	944239			11.36- 111.36	61.21
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	1021454	54.2675	54.268	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	635398			12.18- 112.18	62.21
19.683	19.683 (0.921)	83	901563			37.74- 137.74	88.26
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1257362	55.4098	55.410	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	935913			23.68- 123.68	74.43
19.849	19.849 (0.929)	131	885874			20.70- 120.70	70.45
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1180187	52.0214	52.021	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2491589			159.41- 259.41	211.12
19.988	19.988 (0.935)	100	182131			0.00- 65.44	15.43
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1649011	56.5198	56.520	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1279407			28.67- 128.67	77.59
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1487923	54.0568	54.057	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1401949			44.46- 144.46	94.22
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	2225648	54.7011	54.701	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	711105			0.00- 82.65	31.95
21.425	21.425 (1.003)	77	1706541			26.73- 126.73	76.68
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1110056	53.0675	53.067	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	3593105			270.80- 370.80	323.69
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1421210	53.4590	53.459	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2845526			150.36- 250.36	200.22
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	1249482	53.0803	53.080	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.421 (1.048)	91	2638717			158.25- 258.25	211.18
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2154471	56.2098	56.210	80.00- 120.00	100.00
22.421	22.448 (1.049)	78	1124500			2.53- 102.53	52.19
133 Bromoform					CAS #: 75-25-2		
22.835	22.835 (1.069)	173	1405815	56.6063	56.606	80.00- 120.00	100.00
22.835	22.835 (1.069)	171	711183			1.48- 101.48	50.59
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	3321016	53.5969	53.597	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	849859			0.00- 76.34	25.59
22.974	22.974 (1.075)	51	415630			0.00- 63.93	12.52
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1965154	52.1758	52.176	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1212257			10.79- 110.79	61.69
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	4225065	53.1551	53.155	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	913004			0.00- 71.79	21.61
23.665	23.665 (1.107)	105	149193			0.00- 69.81	3.53
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	3548416	52.8118	52.812	80.00- 120.00	100.00
23.858	23.831 (1.116)	120	1033985			0.00- 79.11	29.14
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	2861182	50.5531	50.553	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	1388733			0.00- 98.92	48.54
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	2649283	50.2438	50.244	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1210915			0.00- 96.59	45.71
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1823012	50.0853	50.085	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1159343			12.51- 112.51	63.59
25.158	25.158 (1.177)	111	774971			0.00- 92.45	42.51
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1836003	49.6347	49.635	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1166398			13.81- 113.81	63.53
25.296	25.296 (1.184)	111	748526			0.00- 89.91	40.77

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	2827198	52.5268	52.527	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	550776			0.00- 69.64	19.48
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1632809	48.9947	48.995	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1036161			13.79- 113.79	63.46
25.932	25.932 (1.213)	111	713616			0.00- 93.74	43.70
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	888759	46.0958	46.096	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	837954			44.99- 144.99	94.28
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	785660	45.1650	45.165	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	494673			12.36- 112.36	62.96
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.580)	43	1494568	49.3851	49.385	80.00- 120.00	100.00
8.375	8.375 (0.580)	57	901871			7.26- 107.26	60.34
19 Butane					CAS #: 106-97-8		
6.826	6.799 (0.473)	58	194712	50.5315	50.531	80.00- 120.00	100.00
6.826	6.799 (0.473)	43	1898711			927.36-1027.36	975.14
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.172)	83	1479651	56.0732	56.073	80.00- 120.00	100.00
16.918	16.918 (1.172)	98	610535			0.00- 92.87	41.26
16.918	16.918 (1.172)	55	1386857			45.27- 145.27	93.73
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	2376499	66.7965	66.796	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	301392			0.00- 62.68	12.68

Report Date: 27-Mar-2007 10:18

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7032703.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd7.i/7-27mar.b/t14q326a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 27-MAR-2007
Calibration Time: 09:13
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	263155	157893	368417	264973	0.69
97 1,4-Difluorobenze	1085284	651170	1519398	1096500	1.03
126 Chlorobenzene-d5	843196	505918	1180474	835616	-0.90

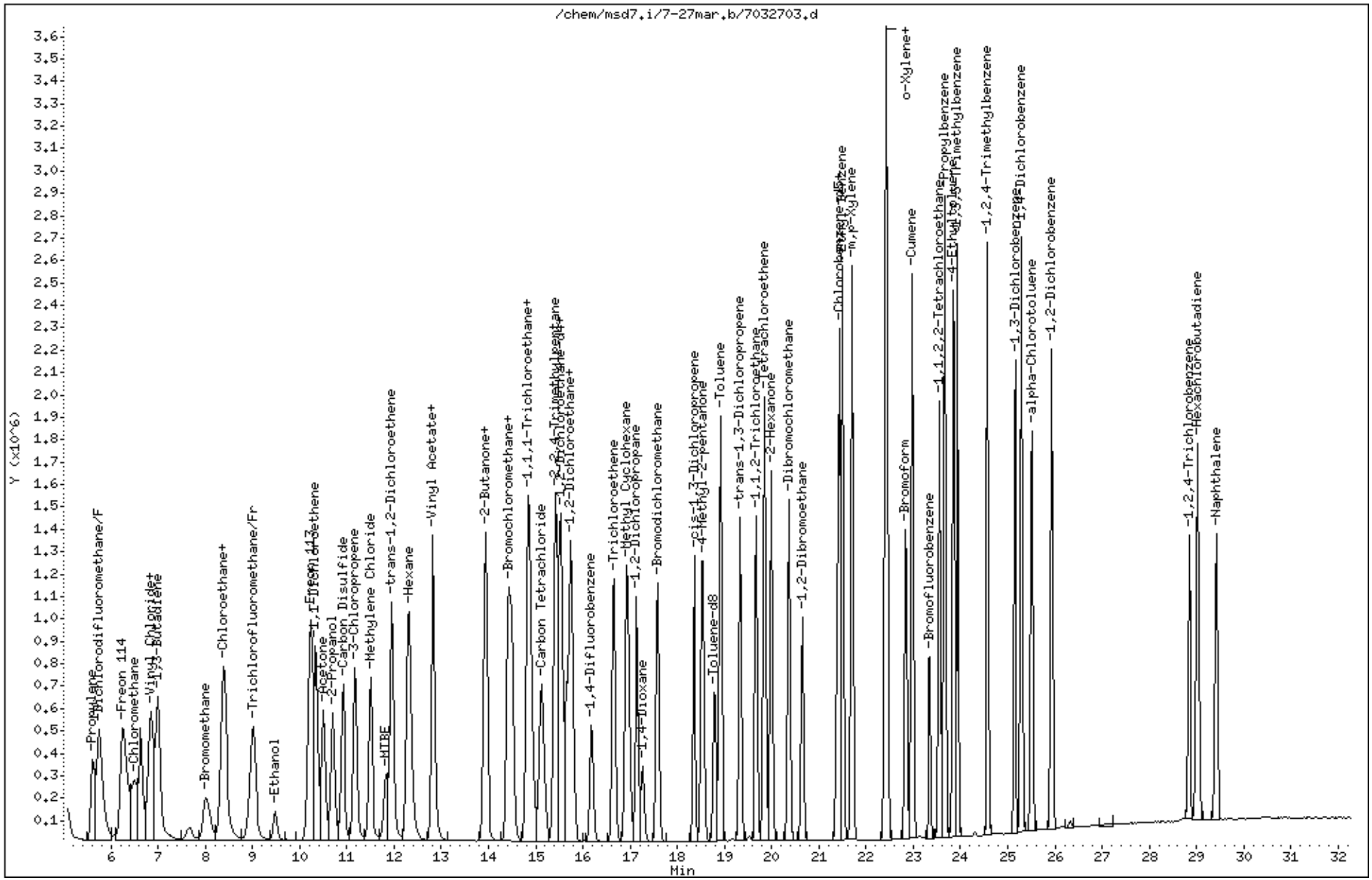
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.40	14.07	14.73	14.43	0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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.

Data File: /chem/msd7.i/7-27mar.b/7032703.d
Date : 27-MAR-2007 09:56
Client ID: LCS-1
Sample Info: 50mL #1408-408

Instrument: msd7.i
Operator: lo
Column diameter: 0.53

Column phase: RTx-624



0179

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MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	21.42
75	30.0 – 60.0% of mass 95	44.49
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.43
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	77.165
175	5.0 – 9.0% of mass 174	(7.49)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.71)[1]
177	5.0 – 9.0% of mass 176	(6.42)[2]

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

BFB Injection Date: 3/27/07
BFB Injection Time: 0845
BFB File ID: 7032701
Tekmar Purge Flow: NA
Vacuum: 3.2 -5

IS/S Std.#: 1408-388	Exp. Date: 5/20/07
BCM LO 3/26/07 ~~2330~~	263155
1,4-DFB	1085284
CB-d5	843196

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

Verify 176/174 m/z Ratio: 415934/430101 x100= 96.706%.

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1106684\ )}{(\ 1085284\ )} \times \frac{(\ 25.00\ )}{(\ 1.00053\ )} = 25.47945$

File ID:	7032702
Compound:	Toluene-d8
Initials:	LO

Reported Result 25.480

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7032701	BFB Tune Check	843-2912	5 psig	2 mL	1.00	LO	3/27/07	0845	LO/ BS	
2	✓	02	CCV-1 #1487-164	200ppbv-50ppbv		50mL		LO		0913	LO/ BS	
3	✓	03	LCS-1 #1408-408	200ppbv-50ppbv		50mL		LO		0956	LO/ BS	
4	✓	04	LCSD-1 #1408-408	200ppbv-50ppbv		50mL		LO		1035	LO/ BS	
5	✓	05	Lab Blank	34190	Humid	200mL	↓	LO		1125	LO/ BS	
6	✓	06	07034174-01A	34254	20"Hg-5psi	60mL	4.80	LO		1211	LO/ BS	
7	✓	07	↓ 02AA	02329	30"Hg-5psi	8mL	37.2	LO		1258	LO/ BS	
8	X	08	02A	02329	30"Hg-5psi	20mL	14.9	LO		1351	LO/ -	Bad load
9	✓	09	02A	02329	30"Hg-5psi	25mL	11.9	LO	↓	1437	LO/ BS	

Laura Quenmyer
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3/27/07
Date

0180

10	X ✓	7032710	0703417A-03A	9911	25"Hg-5psi	10mL	29.2	fo	3/27/07	1528	SS	rr@25ml
11	✓	11	03A	↓	↓	25ml	11.7	SS	3/27/07	1748	SS	
12	X	12	04A	35268	0.0"Hg-5psi	10ml	268	SS	3/27/07	1826	SS	RR@25ml
13	✓	13	04A	35268	0.0"Hg-5psi	25ml	10.2	SS		1911	SS	
14	X	14	05A	2387	2.0"Hg-5psi	1.0ml	288	SS		1957	SS	
15	X	15	05A	2387	2.0"Hg-5psi	5.0ml	57.6	SS		2051	SS	Outside 12hr clock
16	X	16	06A	34466	3.0"Hg-5psi	25ml	11.8	SS		2130	SS	↓
17	X	17	07A	4061	29.0"Hg-5psi	200ml	1.00	SS		2213	[illegible]/fo	TB
18	X	18	0703362-01A	9494	1.5"Hg-15psi	25mL	20.6	[illegible]		2310	[illegible]/fo	RR@15mL
19	✓	19	-01A	↓	↓	15mL	34.4	[illegible]		2353	[illegible]/fo	
20	✓	20	0703408-01A	33920	6.5"Hg-5psi	200mL	1.71	[illegible]	3/28/07	0107	[illegible]/fo	
21	✓	21	-02A	33919	5.5"Hg-5psi	200mL	1.64	[illegible]		0150	[illegible]/fo	
22	✓	22	-03A	35992	29.0"Hg-5psi	200mL	1.00	[illegible]		0239	[illegible]/fo	TB Run confirmation 7032807
23	✓	23	-04A	31433	5.5"Hg-5psi	200mL	1.64	[illegible]		0338	[illegible]/fo	
24	✓	24	0703370-01A	33410	0.0"Hg-15psi	200mL	2.02	[illegible]		0432	[illegible]/fo	
25	✓	25	-02A	11827		200mL	2.02	[illegible]		0526	[illegible]/fo	
26	✓	26	0703380-01A	SC38		200mL	2.02	[illegible]		0608	[illegible]/fo	
27	✓	27	-02A	1438	~~0.0"Hg-15psi~~ ~~5.5"Hg-5psi~~	200mL	2.02	[illegible]		0657	fo	
28	✓	28	02A	1438	0.0"Hg-15psi	200mL	2.02	fo	3/28/07	0749	fo/BJ	
29	X	29	0703583A-01A	13021	30psi-15psi	25mL	4000	fo	↓	0829	fo	cylinder 500X
30			fo 3/28/07									
31												
32												

Comments:

Laura Overmyer
Signature

3/28/07
Date

Revision 12/2006
Page 32

0181

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MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.35
75	30.0 – 60.0% of mass 95	46.20
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.73
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	73.29
175	5.0 – 9.0% of mass 174	(7.67)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.71)[1]
177	5.0 – 9.0% of mass 176	(6.47)[2]

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

BFB Injection Date: 3/28/07
BFB Injection Time: 0910
BFB File ID: 7032801
Tekmar Purge Flow: NA
Vacuum: 3.2-5

IS/S Std.#:	1408-388	Exp. Date: 5/20/07
BCM	256980	
1,4-DFB	1043364	
CB-d5	815801	

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

Verify 176/174 m/z Ratio: 3860560/3957.12 x100 = 97.711 %.

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1055361\ \text{LO } 3/28/07\ )}{(\ 1043364\ )} \times \frac{(\ 25.00\ )}{(\ 1.00053\ )} = 25.27406$

File ID:	7032802
Compound:	Toluene-d8
Initials:	LO

Reported Result 25.274

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7032801	BFB Tune Check	8432812	50ng	2mL	1.00	LO	3/28/07	0910	LO/ RO	
2	✓	02	CCV-1 #1487-164	200ppbv-50ppbv		50mL		LO		0930	LO/ RO	
3	✓	03	LCS-1 #1408-408	200ppbv-50ppbv		50mL		LO		1013	LO/ RO	
4	✓	04	LCSD-1 #1408-408	200ppbv-50ppbv		50mL		LO		1052	LO/ RO	
5	✓	05	Lab Blank	34190	Humid	200mL	↓	LO		1141	LO/ RO	
6	✓	06	0703533A-01AA	B021	30psi-15psi	25mL	4000	LO		1224	LO/ RO	500X
7	✓	07	↓ 01A	B021	30psi-15psi	100mL	1000	LO		1310	LO/ RO	s/l due to NT
8	✓	08	0703417A-05A	2387	20"Hg-5psi	5mL	57.6	LO		1404	DM/ LO	LO 3/29/07
9	✓	09	↓ -06A	34466	5.0"Hg-5psi	25mL	11.9	DM		1443	DM/ LO	

Laura Ormsyer
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3/28/07
Date

0182

10	~~7032810~~	~~0703417A~~	~~3144~~	~~0.0"Hg → 5psi~~	~~200mL~~		~~DM~~	~~3/28/07~~		~~DM~~	~~DM 3/28/07~~
11	7032810	0703417A-07A	9061	29.0"Hg → 5psi	200mL	1.00	DM	3/28/07	1522	DM/fo	TB
12	7032811	0703408-03A	35992	29.0"Hg → 5psi	200mL	1.00	DM		1601	DM/fo	TB conf.
13	12	0703612-01A	1474	5.0"Hg → 5psi	200mL	2.42	DM		1611	fo	RR @ 150 mL
14	13	0703484A -03A	34264	17.5"Hg → 5.0psi	200mL	3.22	ACT		1723	fo	RR @ 75mL
15	14	System Blank	34027	NA	200mL	1.00	ACT		1810	fo	
16	15	0703612 -01A	1474	5.0"Hg → 15psi	150mL	3.23	ACT		1955	fo	
17	16	0703484A -03A	34264	17.5"Hg → 5.0psi	75mL	8.59	ACT		1936	fo	
18	17	↓ -04A	12689	0.2psi → 5.0psi	75mL	3.52	ACT		2015	fo	RR @ 25mL
19	18	System Blank	34027	NA	200mL	1.00	ACT		2103	fo	
20	19	0703484A -04A	12689	0.2psi → 5.0psi	25mL	10.6	ACT		2142	fo	
21	20	↓ -05A	33554	27.0"Hg → 5.0psi	200mL	13.4	ACT		2230	fo	
22	21	System Blank	34027	NA	200mL	1.00	ACT	↓	2329	BL/fo	
23	22	↓	↓	↓	↓	1.00	BL	3/29/07	0022	BL/fo	
24	23	0703484A -05A	33554	27.0"Hg → 5psi	2.5mL	1070	BL		0121	BL/fo	
25	24	↓ -04A	12077	0.4psi → 5psi	10mL	96.10	BL		0212	BL/fo	"E" EtOH >400
26	25	System Blank	34027	1 Humid	200mL	1.00	BL		0310	BL/fo	
27	26	0703484A -08A	95562	0.2psi → 5psi	200mL	1.32	BL		0405	BL/fo	
28	27	↓ -07A	31144	0.0"Hg → 5psi	200mL	1.34	BL		0454	BL/fo	"E" EtOH >400
29	28	System Blank	34027	Humid	200mL	1.00	BL		0554	BL/fo	
30	29	|	|	|	200mL	1.00	BL		0651	fo	
31											
32											fo 3/29/07

Comments:

Signature

3/29/07
Date

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-26mar.b/7032604.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 26-MAR-2007 10:52
Operator : lo Inst ID: msd7.i
Smp Info : 2uL #843-2912;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-26mar.b/bfb105.m
Meth Date : 26-Mar-2007 07:55 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.232	8.798	-0.566	95	530496			100.00- 100.00	100.00
8.232	8.798	-0.566	50	117661			15.00- 40.00	22.18
8.232	8.798	-0.566	75	245626			30.00- 60.00	46.30
8.232	8.798	-0.566	96	36288			5.00- 9.00	6.84
8.232	8.798	-0.566	173	0			0.00- 2.00	0.00
8.232	8.798	-0.566	174	390122			50.00- 100.00	73.54
8.232	8.798	-0.566	175	30178			5.00- 9.00	7.74
8.232	8.798	-0.566	176	378120			95.00- 101.00	96.92
8.232	8.798	-0.566	177	24047			5.00- 9.00	6.36

Data File: /var/chem/msd7.i/7-26mar.b/7032604.d

Date : 26-MAR-2007 10:52

Client ID: BFB

Instrument: msd7.i

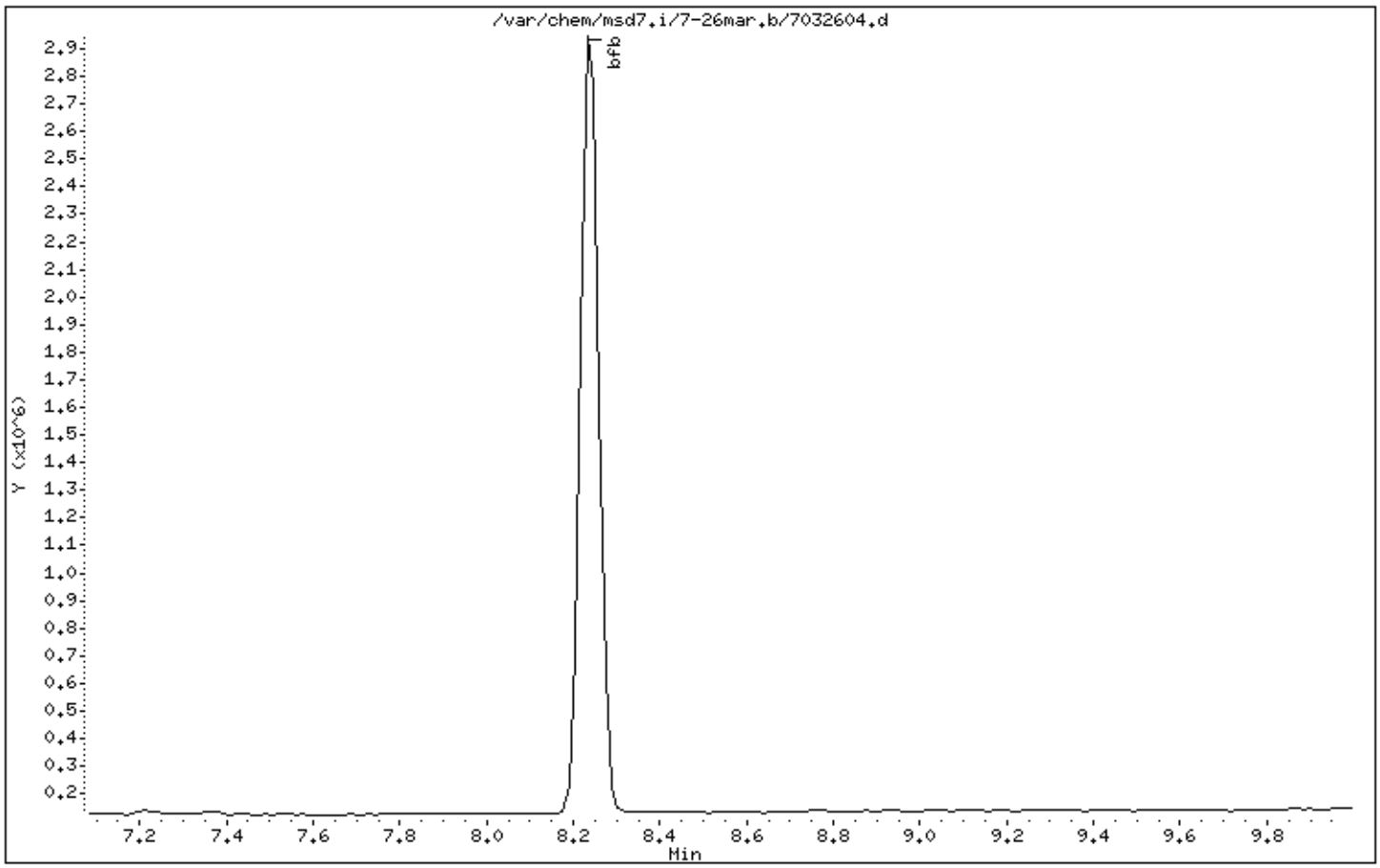
Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lo

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd7.i/7-26mar.b/7032604.d

Date : 26-MAR-2007 10:52

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

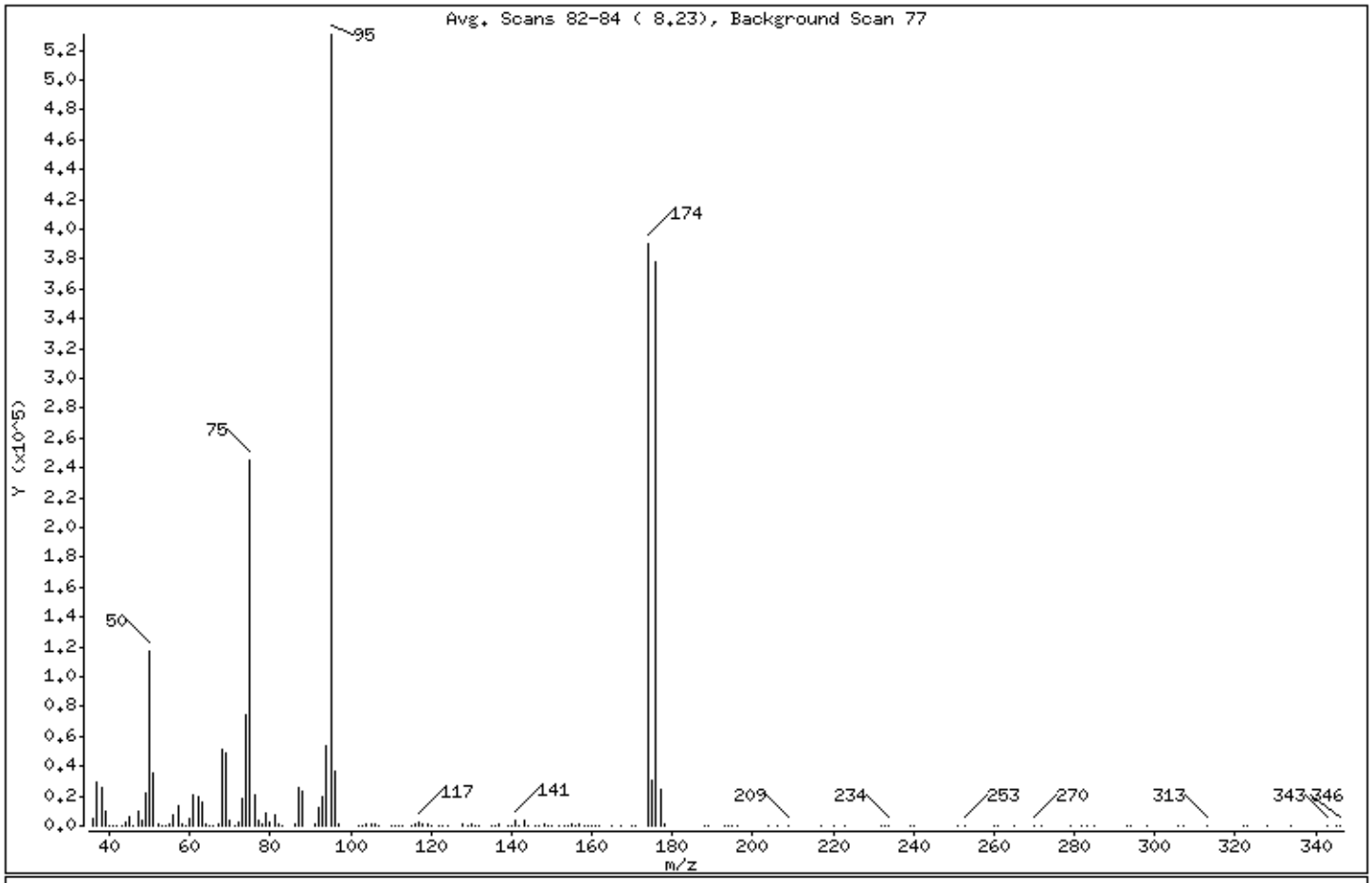
Volume Injected (uL): 2.0

Operator: lo

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	22.18
75	30.00 - 60.00% of mass 95	46.30
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	73.54
175	5.00 - 9.00% of mass 174	5.69 (7.74)
176	95.00 - 101.00% of mass 174	71.28 (96.92)
177	5.00 - 9.00% of mass 176	4.53 (6.36)

Data File: /var/chem/msd7.i/7-26mar.b/7032604.d

Date : 26-MAR-2007 10:52

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lo

Column phase:

Column diameter: 0.53

Data File: 7032604.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5235	76.00	20408	131.00	585	195.00	83
37.00	29192	77.00	3066	132.00	78	196.00	60
38.00	25320	78.00	1815	135.00	248	204.00	39
39.00	10165	79.00	7942	136.00	61	206.00	268
40.00	43	80.00	2959	137.00	625	209.00	505
41.00	27	81.00	7533	139.00	270	217.00	55
42.00	16	82.00	1724	140.00	287	220.00	107
43.00	310	83.00	79	141.00	3129	223.00	81
44.00	2529	86.00	722	142.00	359	232.00	191
45.00	5587	87.00	25392	143.00	3078	233.00	25
46.00	359	88.00	23664	144.00	186	234.00	211
47.00	10251	91.00	1176	146.00	382	239.00	10
48.00	3105	92.00	11646	147.00	7	240.00	51
49.00	22384	93.00	19072	148.00	878	251.00	177
50.00	117656	94.00	53528	149.00	124	253.00	315
51.00	35176	95.00	530496	150.00	440	260.00	220
52.00	1411	96.00	36288	152.00	238	261.00	50
53.00	226	97.00	1607	153.00	311	265.00	110
54.00	53	102.00	105	154.00	321	270.00	266
55.00	1186	103.00	226	155.00	1023	272.00	4
56.00	6983	104.00	1279	156.00	279	279.00	50
57.00	13380	105.00	624	157.00	810	282.00	231
58.00	683	106.00	1463	158.00	124	283.00	76
59.00	142	107.00	487	159.00	496	285.00	60
60.00	4407	110.00	274	160.00	57	293.00	105
61.00	21040	111.00	302	161.00	254	294.00	24
62.00	19872	112.00	205	162.00	1	298.00	58
63.00	15732	113.00	308	165.00	63	306.00	36
64.00	1254	115.00	305	167.00	55	307.00	70
65.00	140	116.00	1074	170.00	301	313.00	191
66.00	146	117.00	1838	171.00	191	322.00	158
67.00	926	118.00	1146	174.00	390080	323.00	113
68.00	51000	119.00	1719	175.00	30176	328.00	74
69.00	48536	120.00	18	176.00	378112	334.00	224
70.00	3457	122.00	55	177.00	24040	343.00	397

Date : 26-MAR-2007 10:52

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: lo

Column phase: Column diameter: 0.53

Data File: 7032604.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	227	123.00	216	178.00	709	345.00	10
72.00	2504	124.00	276	188.00	50	346.00	52
73.00	17992	128.00	1197	189.00	30		
74.00	74072	129.00	548	193.00	252		
75.00	245568	130.00	1394	194.00	3		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-27mar.b/7032701.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 27-MAR-2007 08:45
Operator : lo Inst ID: msd7.i
Smp Info : 2uL #843-2912;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-27mar.b/bfb105.m
Meth Date : 27-Mar-2007 08:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.246	8.798	-0.552	95	553877			100.00- 100.00	100.00
8.246	8.798	-0.552	50	118636			15.00- 40.00	21.42
8.246	8.798	-0.552	75	246442			30.00- 60.00	44.49
8.246	8.798	-0.552	96	35602			5.00- 9.00	6.43
8.246	8.798	-0.552	173	0			0.00- 2.00	0.00
8.246	8.798	-0.552	174	430101			50.00- 100.00	77.65
8.246	8.798	-0.552	175	32221			5.00- 9.00	7.49
8.246	8.798	-0.552	176	415934			95.00- 101.00	96.71
8.246	8.798	-0.552	177	26693			5.00- 9.00	6.42

Data File: /var/chem/msd7.i/7-27mar.b/7032701.d

Date : 27-MAR-2007 08:45

Client ID: BFB

Instrument: msd7.i

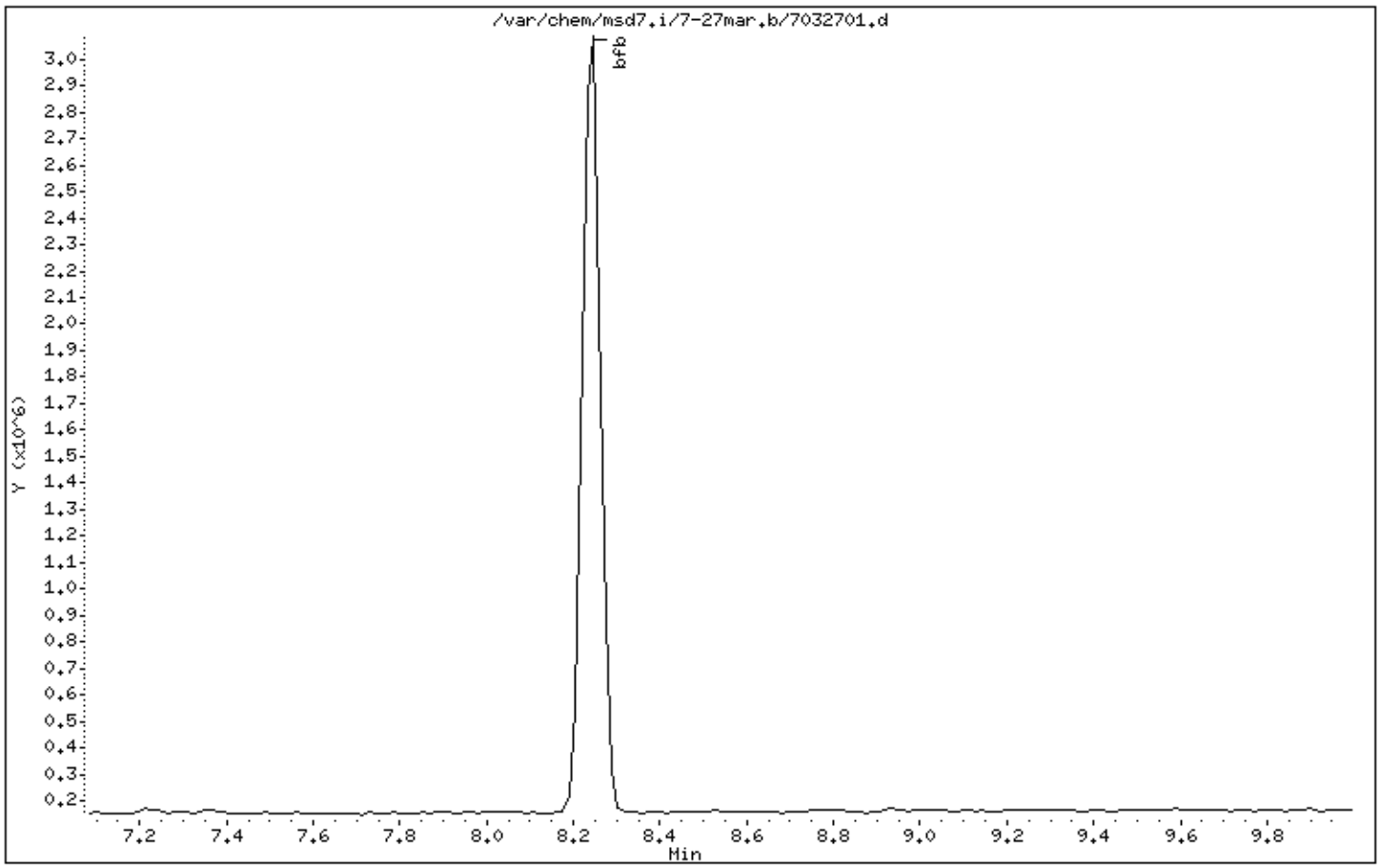
Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lo

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd7.i/7-27mar.b/7032701.d

Date : 27-MAR-2007 08:45

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

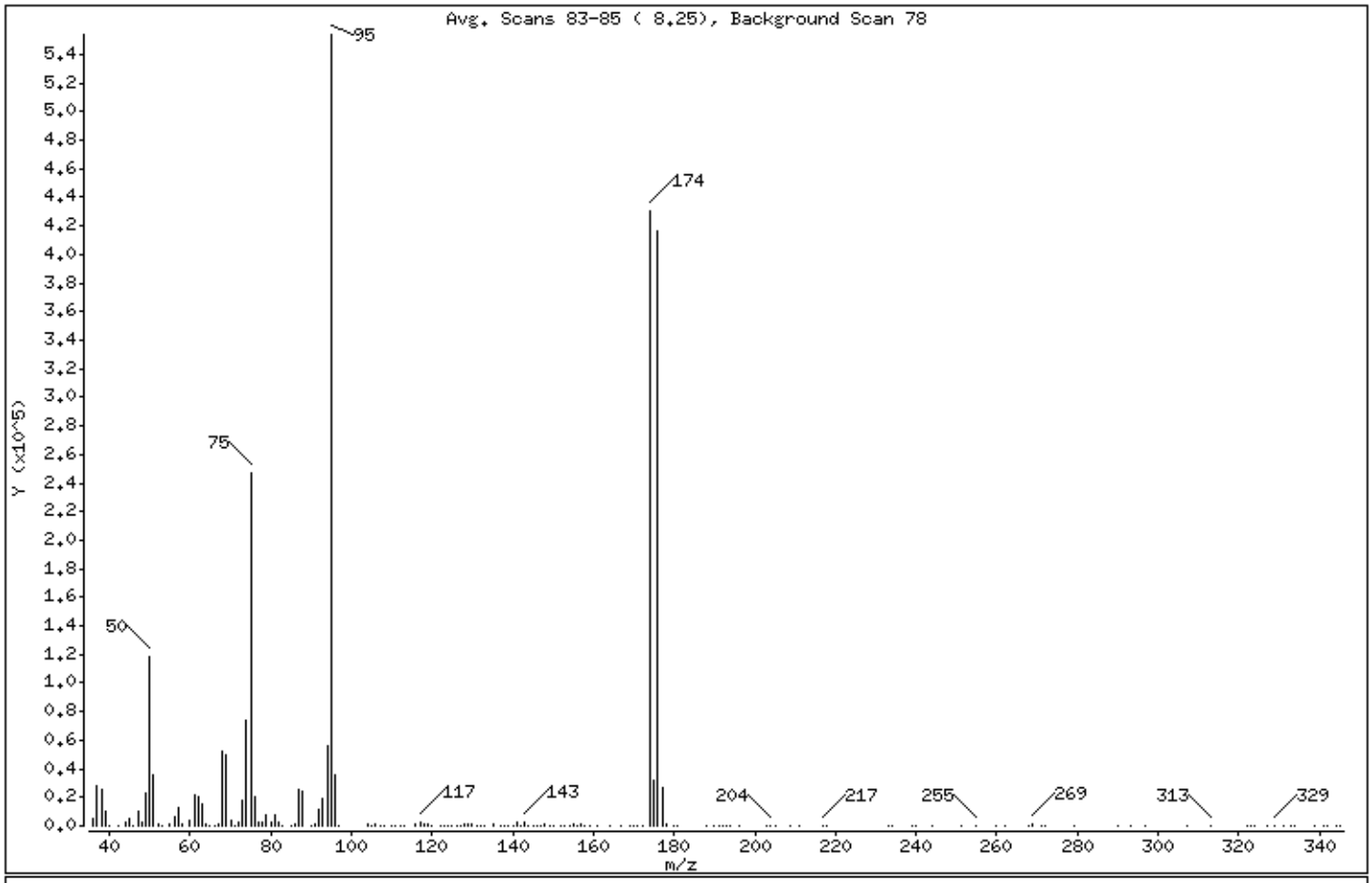
Volume Injected (uL): 2.0

Operator: lo

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.42
75	30.00 - 60.00% of mass 95	44.49
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	77.65
175	5.00 - 9.00% of mass 174	5.82 (7.49)
176	95.00 - 101.00% of mass 174	75.10 (96.71)
177	5.00 - 9.00% of mass 176	4.82 (6.42)

Data File: /var/chem/msd7.i/7-27mar.b/7032701.d

Date : 27-MAR-2007 08:45

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lo

Column phase:

Column diameter: 0.53

Data File: 7032701.d
Spectrum: Avg. Scans 83-85 (8.25), Background Scan 78
Location of Maximum: 95.00
Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5020	82.00	2367	138.00	65	203.00	47
37.00	28544	83.00	300	139.00	222	204.00	180
38.00	24960	85.00	281	140.00	341	205.00	62
39.00	10075	86.00	770	141.00	2977	209.00	62
40.00	17	87.00	25288	142.00	431	211.00	156
42.00	63	88.00	24312	143.00	3131	217.00	165
44.00	2645	90.00	55	144.00	157	218.00	119
45.00	5011	91.00	710	145.00	455	233.00	52
46.00	424	92.00	11890	146.00	529	234.00	68
47.00	9805	93.00	18760	147.00	84	239.00	22
48.00	3160	94.00	56600	148.00	1014	240.00	52
49.00	22744	95.00	553856	149.00	274	244.00	55
50.00	118632	96.00	35600	150.00	503	251.00	74
51.00	35064	97.00	555	152.00	195	255.00	136
52.00	1509	104.00	1135	153.00	435	260.00	53
53.00	77	105.00	508	154.00	83	262.00	69
55.00	1045	106.00	1501	155.00	1057	268.00	131
56.00	6607	107.00	483	156.00	267	269.00	698
57.00	13243	108.00	107	157.00	766	271.00	54
58.00	733	110.00	274	158.00	61	272.00	268
60.00	4275	111.00	335	159.00	514	279.00	107
61.00	21528	112.00	184	161.00	302	290.00	72
62.00	20120	113.00	281	164.00	3	293.00	132
63.00	15735	116.00	646	167.00	63	297.00	51
64.00	1420	117.00	1990	169.00	218	307.00	61
65.00	107	118.00	1153	170.00	250	313.00	76
66.00	210	119.00	1764	171.00	409	322.00	159
67.00	988	120.00	33	172.00	279	323.00	24
68.00	51808	122.00	183	174.00	430080	324.00	84
69.00	49416	123.00	255	175.00	32216	327.00	14
70.00	3621	124.00	31	176.00	415872	329.00	242
71.00	310	125.00	155	177.00	26688	331.00	24
72.00	2220	126.00	131	178.00	820	333.00	52
73.00	18352	127.00	360	180.00	113	334.00	117
74.00	73808	128.00	905	181.00	10	339.00	61

Date : 27-MAR-2007 08:45

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2912;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: lo

Column phase: Column diameter: 0.53

Data File: 7032701.d
Spectrum: Avg. Scans 83-85 (8.25), Background Scan 78
Location of Maximum: 95.00
Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	246400	129.00	800	188.00	130	341.00	104
76.00	20440	130.00	1780	190.00	222	342.00	210
77.00	3065	131.00	548	191.00	163	344.00	18
78.00	2154	132.00	245	192.00	102	345.00	24
79.00	8087	133.00	193	193.00	159		
80.00	3171	135.00	698	194.00	20		
81.00	8017	137.00	465	196.00	71		

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 #: 0703408
# of pages (Including Cover): 1

4/4/2007

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

Receipt VAR 3/21/07

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

0196

Contact	Karen Swartz	**Project Info:** Bay Shore Southern Cell	**Turn Around Time:**
Company	GEI Consultants, Inc.	P.O. #	
Address	455 Winding Brook Glastonbury CT 06033	Project # 061140 - 8 - 1703	[X] Normal
Phone	860-368-5300 Cell 860-608-3520	Project Name BayShore OU1 Southern cell Air Monitoring	[ ] Rush _____ Specify
Collected By Signature:			

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	BS031407-Upwind	3/14/07 0750-1555	TO-15 + Naphthalene VAR 3/21/07	30	-7	6.0 "Hg
02A	BS031407-Downwind	3/14/07 0755-1555	TO-15 + Naphthalene	-30	-7	5.5 "Hg
02A	BS031407-TB	3/14/07	TO-15 + Naphthalene	-30	-30	29.0 "Hg
01A	BS031407-XX	3/14/07 0755-1553	TO-15 + Naphthalene	-30	-7	5.5 "Hg

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
3/15/07 1000	TLaPlante-ATL 3/16/07 1020
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time

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

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	857164420556	TLa	N/A	Good	Yes No (None)	0703408

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0703408

Client

Mr. Brian McCarthy
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Phone

860-368-5300

Fax

860-368-5307

Sales Rep: JLJ

Date Promised: 03/30/07
Date Completed: 3/29/07
Date Received: 3/16/07
PO#: NR
Project#: 061140-8-1703 Bayshore OU1 Southern Cell Air Monitorin
Total $: $ 1,348.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	BS031407-Upwind	Modified TO-15	3/14/2007	6.5 "Hg	$225.00
02A	BS031407-Downwind	Modified TO-15	3/14/2007	5.5 "Hg	$225.00
03A	BS031407-TB	Modified TO-15	3/14/2007	29.0 "Hg	$225.00
04A	BS031407-XX	Modified TO-15	3/14/2007	5.5 "Hg	$225.00
05A	Lab Blank	Modified TO-15	NA	NA	$0.00
06A	CCV	Modified TO-15	NA	NA	$0.00
07A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (1) @ $50.00 each.	$50.00
	6 Liter Summa Canister (100% Certified) (3) @ $65.00 each.	$195.00
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00
	Blue Body Flow Controller (100% Certified) (3) @ $40.00 each.	$120.00
	Duplicate Sampling T (100% Certified) (1) @ $5.00 each.	$5.00
	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#: Keyspan -Bayshore Southern Cell IRM/9699

BILL TO: Mr. Brian McCarthy
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

Air Toxics LTD.
www.airtoxics.com
1-800-985-5955

Media Certification Report

Canister Number: 6L#33919w/10.2+T
Can#: 50754-33919
Date : 03/10/07 20:47
Data File: u031026.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
Naphthalene	91-20-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		102.00	% Recovery
Toluene-d8	2037-26-5		100.00	% Recovery
4-Bromofluorobenzene	460-00-4		96.00	% Recovery

Air Toxics LTD.

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

Media Certification Report

Canister Number: 6L#35992w/10.2+T
Can#: 50754-35992
Date : 03/10/07 20:17
Data File: u031025.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
Naphthalene	91-20-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		100.00	% Recovery
Toluene-d8	2037-26-5		97.00	% Recovery
4-Bromofluorobenzene	460-00-4		95.00	% Recovery

Air Toxics LTD.
www.airtoxics.com
1-800-985-5955

Media Certification Report

Canister Number: 6L#31433w/10.2+T
Can#: 50754-31433
Date : 03/10/07 21:48
Data File: u031028.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
Naphthalene	91-20-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		101.00	% Recovery
Toluene-d8	2037-26-5		97.00	% Recovery
4-Bromofluorobenzene	460-00-4		94.00	% Recovery

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0703403

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

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

☑	☑	☐	☐	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☑	☑	☐	☐	☐	Hold time is met for all samples (14day)
	NA	☐	☐	☐	Appropriate data qualifier flags are applied
	NA	☐	☐	☐	Manual integrations for samples and QC are properly documented
☑	☑	☐		☐	Samples analyzed within the project or method specific clock (24hr)
	☑	☐			Retention times have been verified
☑	☑	☐		☐	Appropriate ICAL(s) included
	☑	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data
☑	☑	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☑	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
	☑	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐			TICs resemble reference spectra
	☐	☐			TICs between duplicate samples are consistent
☑	☐	☐	☐		Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☐		☐		Special units for all samples in the final report are correctly calculated
	☐	☐	☐		Manually entered results checked (i.e. special CCV compounds)
	☐	☐	☐		TPH/NMOC (verify calculations and correct reference compound used)
	☐				Chain of Custody scanned correctly
			☐		Verify sample id's vs. chain of custody
☑	☑				Samples pressurized w/ appropriate gas (N_2) or He) ☐ Tedlar Bag only
☑	☑				Final pressure consistent with canister size (6L vs. 1L)
☑	☑				Verify receipt pressures against logbook and Target
☑	☑				Verify canister ID #'s
	NA		NA		Extra printed copies are provided per client profile
	NA		☐		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: All QC met

Trip Blank Sample CBA has reportable Target compounds present - confirmation run 703284

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
JO 3/29/07	R: MOBailey 3-29-07	3/29/07	
	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 08/29/05

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

Not Applicable