
Air
Toxics LTD.
Laboratory Services Since 1989
Electronic Comprehensive Validation Package (eCVP)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0705109

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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	5/22/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705109

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge 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 Barrier wall installation
DATE RECEIVED:	05/04/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	05/17/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	AMS 3-DW	Modified TO-15	6.5 "Hg
02A	AMS 6-UW	Modified TO-15	6.0 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 05/17/07

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

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

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0705109

Two 6 Liter Summa Canister samples were received on May 04, 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

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

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
AMS 3-DW	0705109-01A	5/ 3/2007	5/ 4/2007	NA	12	5/15/2007	NA	Good
AMS 6-UW	0705109-02A	5/ 3/2007	5/ 4/2007	NA	12	5/15/2007	NA	Good
Lab Blank	0705109-03A	NA	NA	NA	NA	5/15/2007	NA	Good
CCV	0705109-04A	NA	NA	NA	NA	5/15/2007	NA	Good
LCS	0705109-05A	NA	NA	NA	NA	5/15/2007	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: AMS 3-DW

Lab ID#: 0705109-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.86	1.6	3.2	6.0
Acetone	3.4	3.8	8.1	9.0

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 3-DW

Lab ID#: 0705109-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051514**	**Date of Collection: 5/3/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 5/15/07 06:40 PM**	

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	1.6	3.2	6.0
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: AMS 3-DW

Lab ID#: 0705109-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051514**	**Date of Collection: 5/3/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 5/15/07 06:40 PM**	

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 U J	36	Not Detected U J
Acetone	3.4	3.8	8.1	9.0
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

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

Container Type: 6 Liter Summa Canister

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

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AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-15may.b/7051514.d
Lab Smp Id: 0705109-01A
Inj Date : 15-MAY-2007 18:40
Operator : kr Inst ID: msd7.i
Smp Info : 200ml #1576
Misc Info : 6.5"Hg-5psi GEI
Comment :
Method : /chem/msd7.i/7-15may.b/t14q326d.m
Meth Date : 16-May-2007 13:29 lrandolp Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.d
Als bottle: 1
Dil Factor: 1.71000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	207669	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	162172			27.88- 127.88	78.09
14.430	14.430 (1.000)	49	377037			193.38- 293.38	181.56
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	862781	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	136822			0.00- 66.13	15.86
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	641498	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	384410			12.04- 112.04	59.92
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	312110	24.0926	24.092	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	157163			3.94- 103.94	50.36
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	831555	24.0825	24.082	80.00- 120.00	100.00
18.771	18.771 (1.159)	70	95040			0.00- 61.60	11.43

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	550608			16.47- 116.47	66.21
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	373678	24.9603	24.960	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	465053			76.14- 176.14	124.45
23.361	23.361 (1.093)	176	353688			47.05- 147.05	94.65
45 Acetone					CAS #: 67-64-1		
10.531	10.504 (0.730)	58	16469	2.21343	3.785	80.00- 120.00	100.00
10.531	10.504 (0.730)	43	73989			299.51- 399.51	449.26
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.167)	91	38407	0.93827	1.604	80.00- 120.00	100.00
18.909	18.909 (1.167)	92	23212			11.38- 111.38	60.44

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7051514.d
Lab Smp Id: 0705109-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 6.5"Hg-5psi GEI

Calibration Date: 15-MAY-2007
Calibration Time: 09:27
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	218710	131226	306194	207669	-5.05
97 1,4-Difluorobenze	892714	535628	1249800	862781	-3.35
126 Chlorobenzene-d5	731589	438953	1024225	641498	-12.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-15may
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0705109-01A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 6.5"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.092	96.37	70-130
$ 113 Toluene-d8	25.000	24.082	96.33	70-130
$ 137 Bromofluorobenzene	25.000	24.960	99.84	70-130

Data File: /chem/msd7.i/7-15may.b/7051514.d

Date : 15-MAY-2007 18:40

Client ID:

Sample Info: 200ml #1576

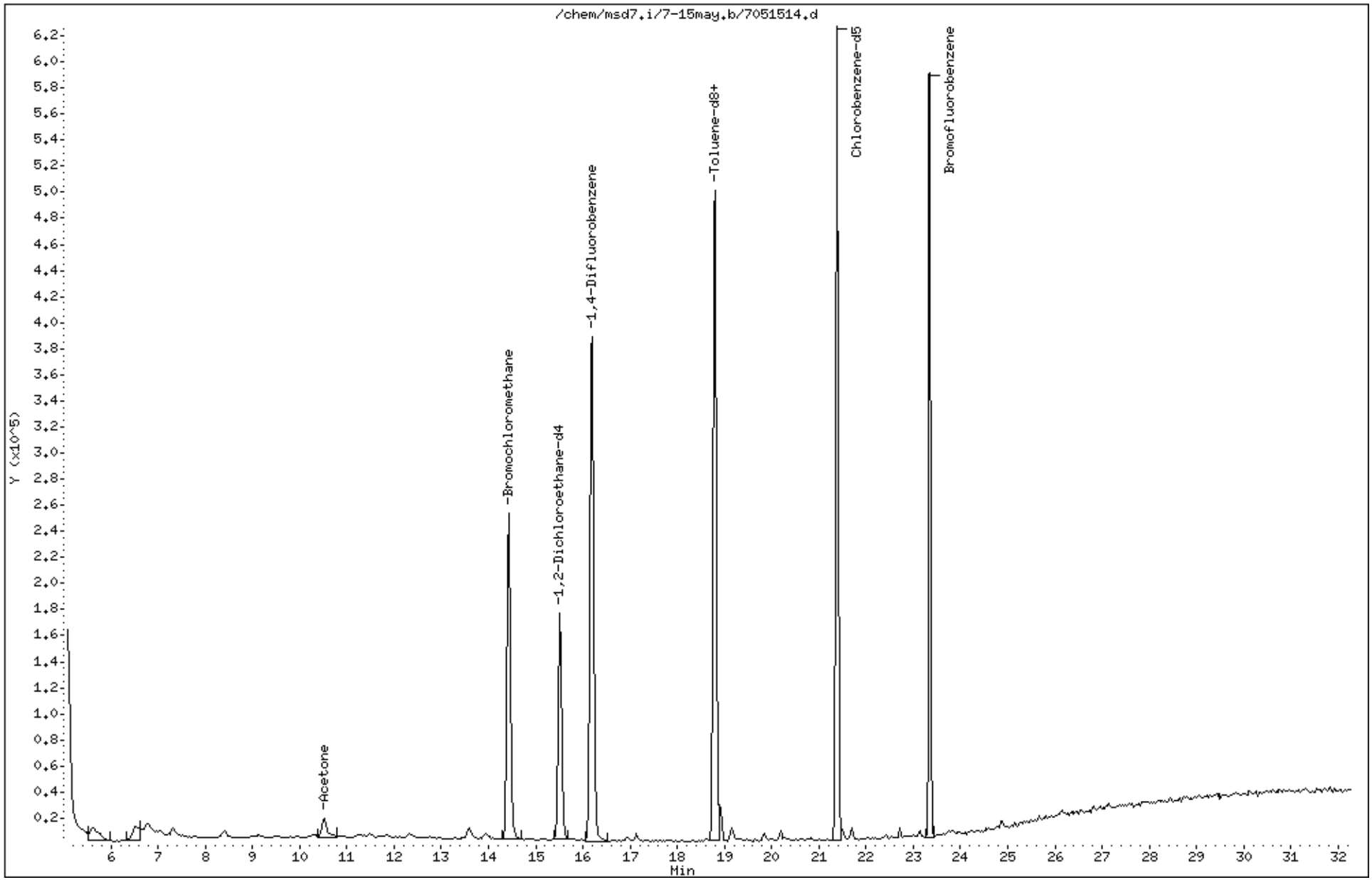
Column phase: RTx-624

Instrument: msd7.i

Operator: kr

Column diameter: 0.53

0013



Data File: /chem/msd7.i/7-15may.b/7051514.d

Date : 15-MAY-2007 18:40

Client ID:

Instrument: msd7.i

Sample Info: 200ml #1576

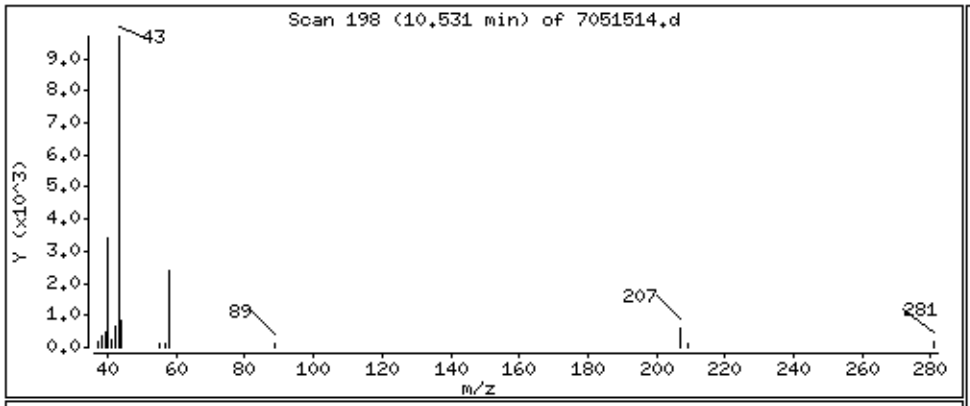
Operator: kr

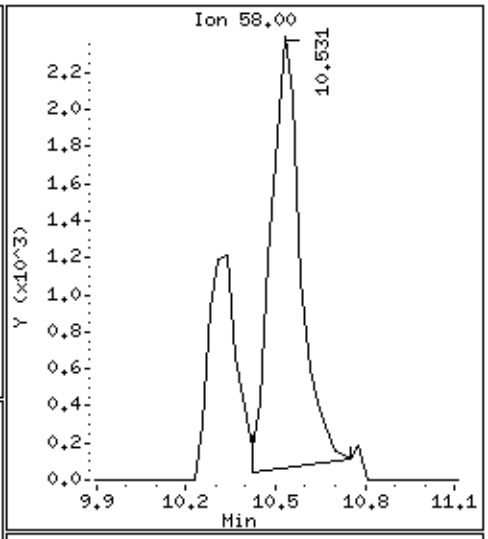
Column phase: RTx-624

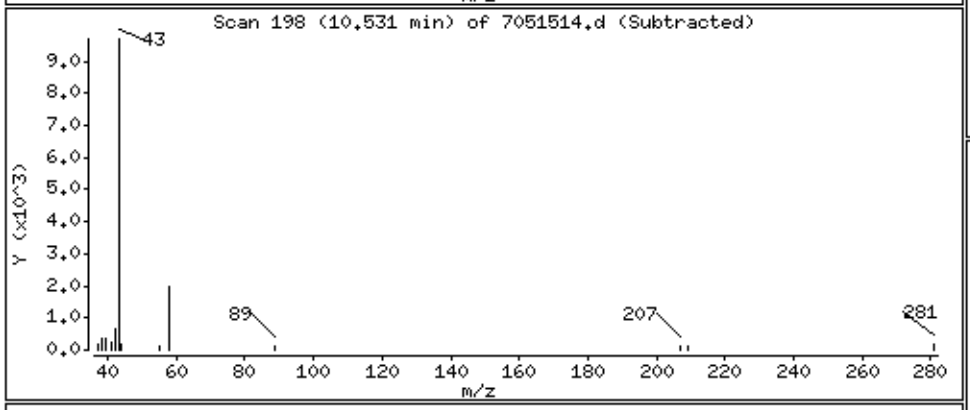
Column diameter: 0.53

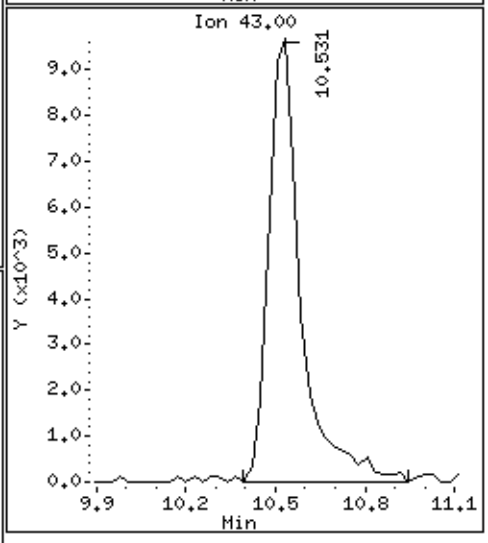
45 Acetone

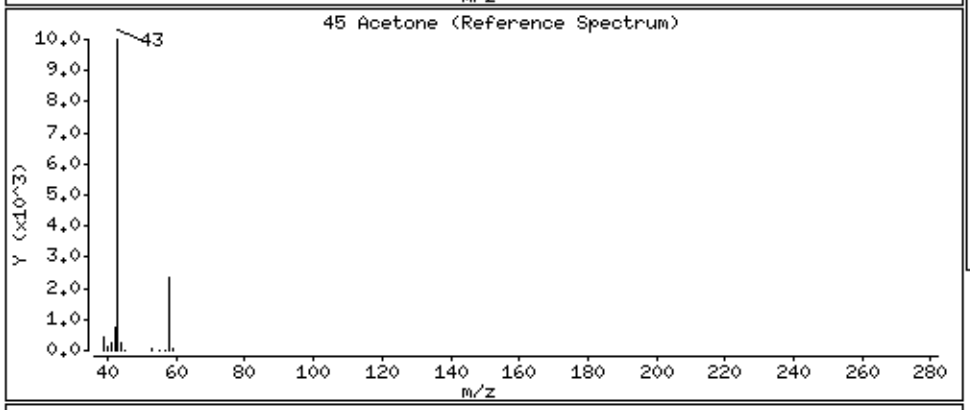
Concentration: 3.785 PPBV

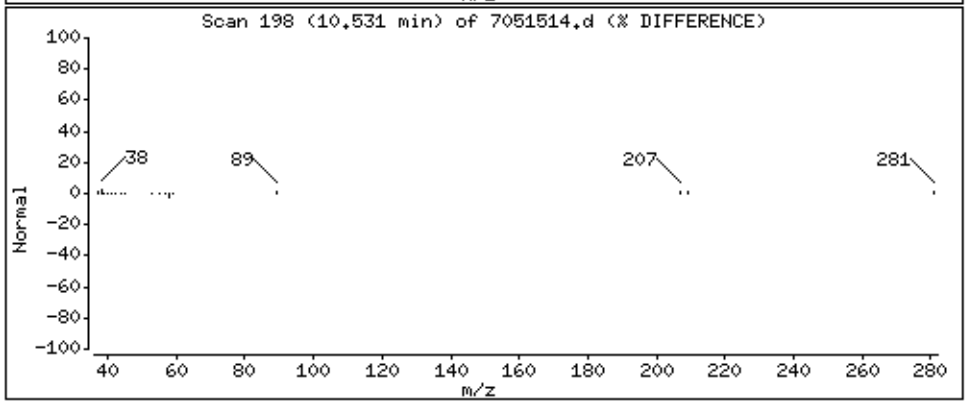












Data File: /chem/msd7.i/7-15may.b/7051514.d

Date : 15-MAY-2007 18:40

Client ID:

Instrument: msd7.i

Sample Info: 200ml #1576

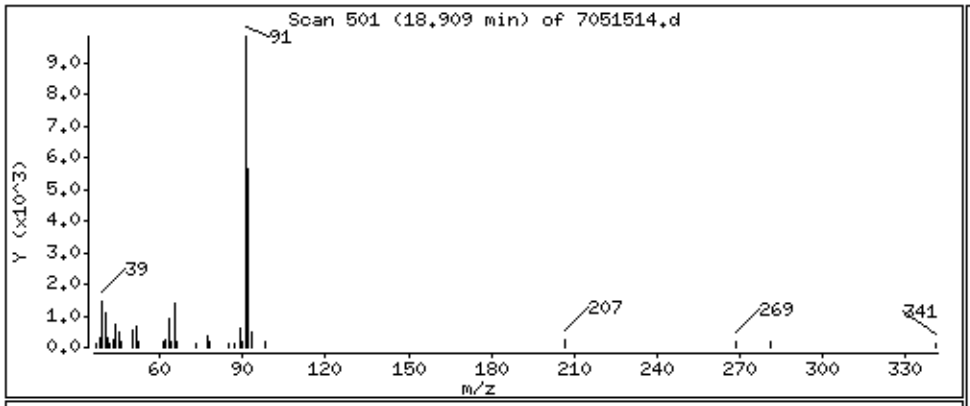
Operator: kr

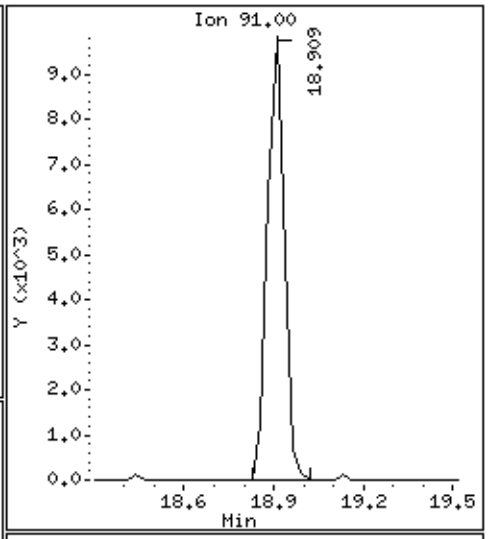
Column phase: RTx-624

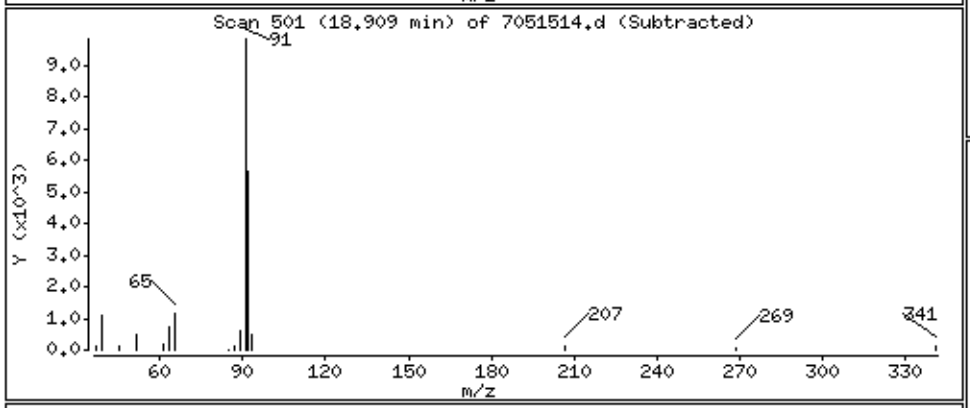
Column diameter: 0.53

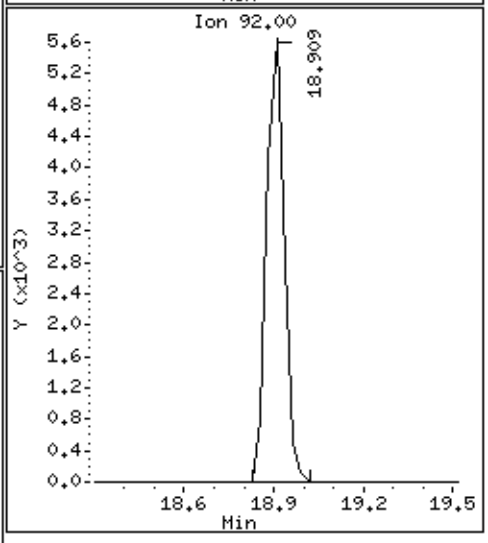
114 Toluene

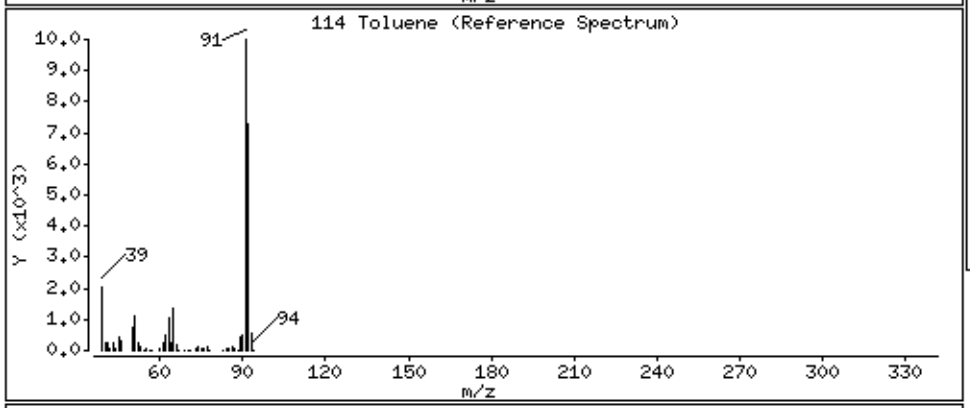
Concentration: 1.604 PPBV

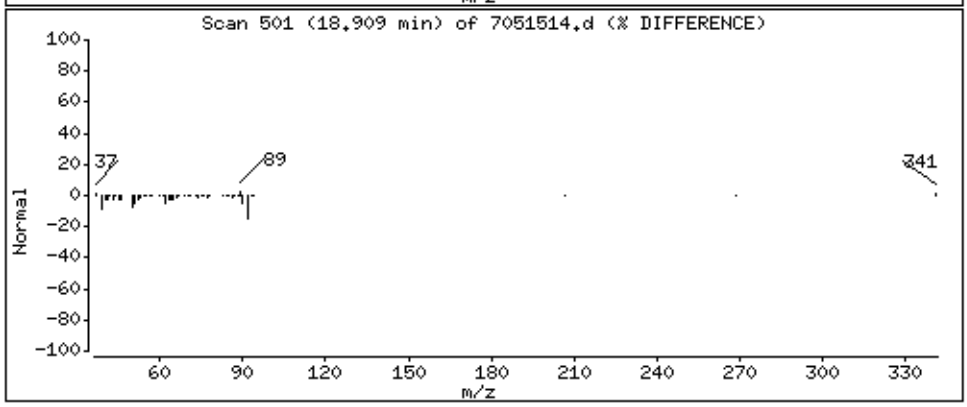












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 6-UW

Lab ID#: 0705109-02A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 6-UW

Lab ID#: 0705109-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051515**	**Date of Collection: 5/3/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 5/15/07 07:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 6-UW

Lab ID#: 0705109-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051515**	**Date of Collection: 5/3/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 5/15/07 07:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.84	Not Detected	3.4	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected U J	36	Not Detected U J
Acetone	3.4	Not Detected	8.0	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
2-Propanol	3.4	Not Detected	8.2	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-15may.b/7051515.d
Lab Smp Id: 0705109-02A
Inj Date : 15-MAY-2007 19:25
Operator : kr Inst ID: msd7.i
Smp Info : 200ml #430
Misc Info : 6.0"Hg-5psi GEI
Comment :
Method : /chem/msd7.i/7-15may.b/t14q326d.m
Meth Date : 16-May-2007 13:29 lrandolp Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.d
Als bottle: 1
Dil Factor: 1.68000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	202176	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	158456			27.88- 127.88	78.38
14.430	14.430 (1.000)	49	365455			193.38- 293.38	180.76
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.172 (1.000)	114	838636	25.0000		80.00- 120.00	100.00
16.200	16.172 (1.000)	88	132942			0.00- 66.13	15.85
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	631626	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	373543			12.04- 112.04	59.14
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	312071	24.7440	24.744	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	154859			3.94- 103.94	49.62
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.160)	98	816808	24.3365	24.336	80.00- 120.00	100.00
18.799	18.771 (1.160)	70	91495			0.00- 61.60	11.20

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	541831			16.47- 116.47	66.34
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	362750	24.6090	24.609	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	460147			76.14- 176.14	126.85
23.361	23.361 (1.093)	176	343011			47.05- 147.05	94.56

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7051515.d
Lab Smp Id: 0705109-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 6.0"Hg-5psi GEI

Calibration Date: 15-MAY-2007
Calibration Time: 09:27

Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	218710	131226	306194	202176	-7.56
97 1,4-Difluorobenze	892714	535628	1249800	838636	-6.06
126 Chlorobenzene-d5	731589	438953	1024225	631626	-13.66

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	15.84	16.50	16.20	0.17
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-15may
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0705109-02A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 6.0"Hg-5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.744	98.98	70-130
$ 113 Toluene-d8	25.000	24.336	97.35	70-130
$ 137 Bromofluorobenzene	25.000	24.609	98.44	70-130

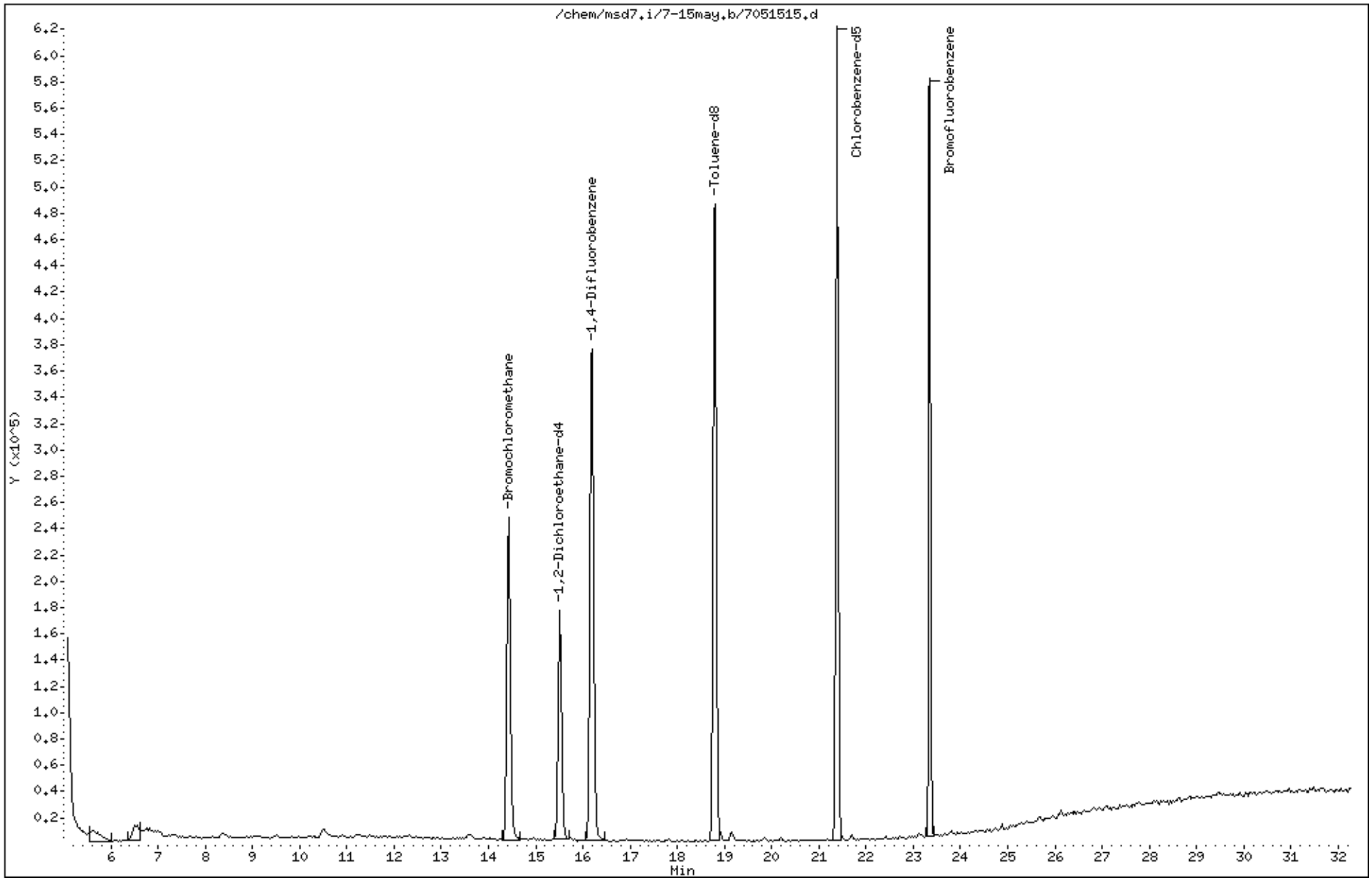
0023

Data File: /chem/msd7.i/7-15may.b/7051515.d
Date : 15-MAY-2007 19:25
Client ID:
Sample Info: 200ml #430

Instrument: msd7.i

Operator: kr
Column diameter: 0.53

Column phase: RTx-624



QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705109-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051508**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 02:09 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705109-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051508**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 02:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected U J	21	Not Detected U J
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

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-15may.b/7051508.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 15-MAY-2007 14:09
Operator : ea Inst ID: msd7.i
Smp Info : 200ml #12941
Misc Info : Humid
Comment :
Method : /chem/msd7.i/7-15may.b/t14q326d.m
Meth Date : 15-May-2007 12:51 ealcan Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+bcd.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		
14.402	14.430 (1.000)	130	209823	25.0000		80.00- 120.00	100.00
14.402	14.430 (1.000)	128	165814			27.88- 127.88	79.03
14.402	14.430 (1.000)	49	384961			193.38- 293.38	183.47
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	872512	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	139742			0.00- 66.13	16.02
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	677781	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	408414			12.04- 112.04	60.26
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	317718	24.2737	24.274	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	157047			3.94- 103.94	49.43
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	857605	24.5600	24.560	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	98921			0.00- 61.60	11.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.771	18.771 (1.161)	100	570442			16.47- 116.47	66.52
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	390308	24.6754	24.675	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	495364			76.14- 176.14	126.92
23.361	23.361 (1.093)	176	378889			47.05- 147.05	97.07

Report Date: 15-May-2007 20:04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7051508.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: Humid

Calibration Date: 15-MAY-2007
Calibration Time: 09:27
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	218710	131226	306194	209823	-4.06
97 1,4-Difluorobenze	892714	535628	1249800	872512	-2.26
126 Chlorobenzene-d5	731589	438953	1024225	677781	-7.35

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.40	-0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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

Report Date: 15-May-2007 20:04

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-15may
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: ea
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04+bcd.sub
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: Humid

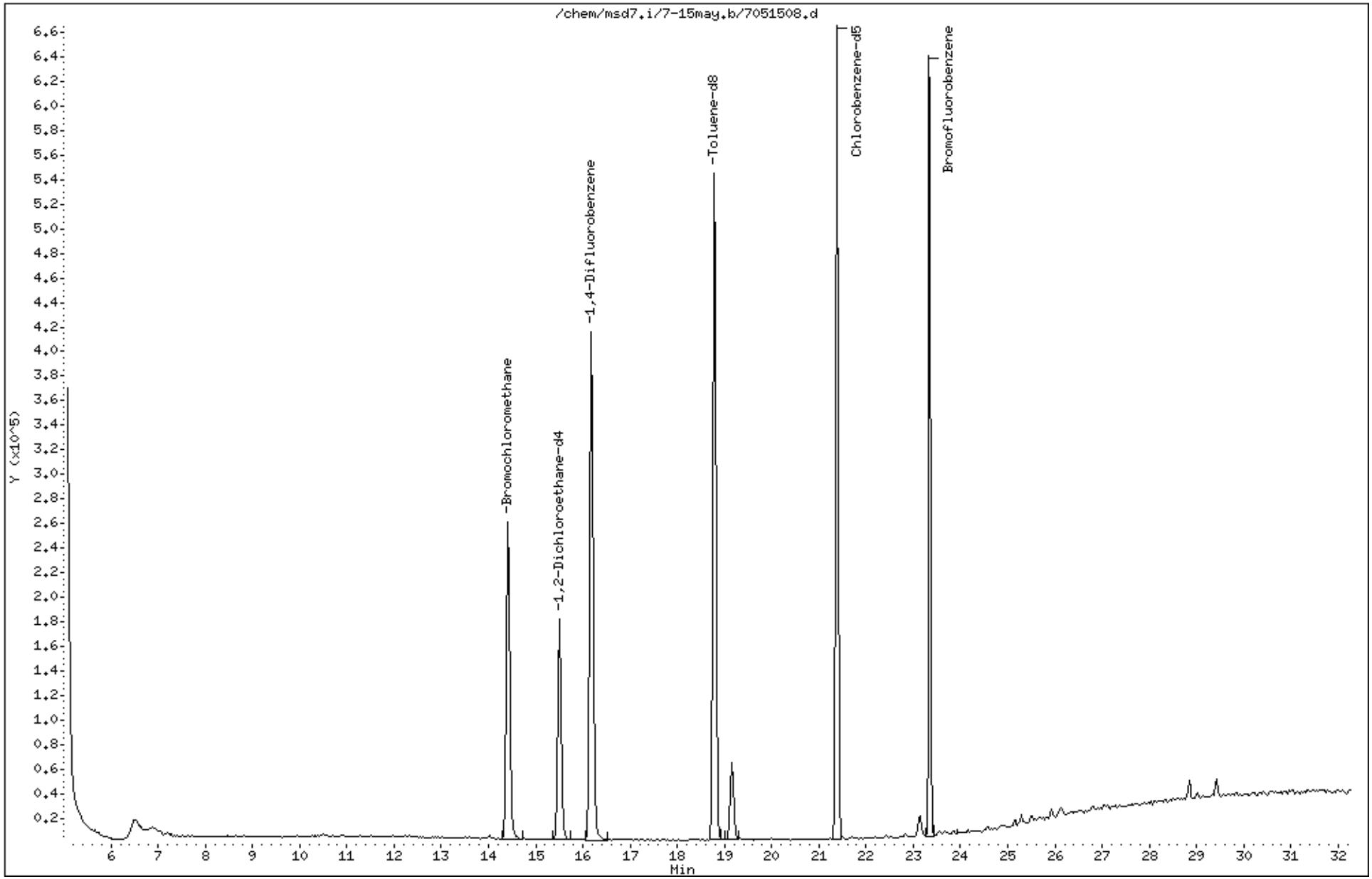
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.274	97.09	70-130
$ 113 Toluene-d8	25.000	24.560	98.24	70-130
$ 137 Bromofluorobenzene	25.000	24.675	98.70	70-130

0031

Data File: /chem/msd7.i/7-15may.b/7051508.d
Date : 15-MAY-2007 14:09
Client ID: Lab Blank
Sample Info: 200ml #12941

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

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0705109

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS 3-DW	96		96		100				0
02	AMS 6-UW	99		97		98				0
03	Lab Blank	97		98		99				0
04	CCV	99		100		102				0
05	LCS	100		98		102				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0705109
Lab File ID: 7051502.d
Date Analyzed: 05/15/2007
Instrument ID: msd7.i
Time Analyzed: 09:27 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	731589		21.37		892714		16.17		218710		14.43	
	UPPER LIMIT	1024225		21.70		1249800		16.50		306194		14.76	
	LOWER LIMIT	438953		21.04		535628		15.84		131226		14.10	
	CLIENT SAMPLE NO												
01	AMS 3-DW	641498		21.37		862781		16.2		207669		14.43	
02	AMS 6-UW	631626		21.37		838636		16.2		202176		14.43	
03	Lab Blank	677781		21.37		872512		16.17		209823		14.4	
04	CCV	731589		21.37		892714		16.17		218710		14.43	
05	LCS	710095		21.37		895604		16.17		214867		14.4	
06													
07													
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17													
18													
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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 : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
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/7-30apr.b/7043003.d
Level 4: /chem/msd7.i/7-30apr.b/7043004.d
Level 5: /chem/msd7.i/7-30apr.b/7043005.d
Level 6: /chem/msd7.i/7-26mar.b/7032610.d
Level 7: /chem/msd7.i/7-30apr.b/7043006.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	+++++	+++++	2.85530	+++++	2.89051	+++++	2.80472	2.85018	1.513
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
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	+++++	+++++	1.11257	+++++	1.08029	+++++		
	1.06171						1.08486	2.372
16 Freon 114	+++++	2.32042	2.40145	2.79190	2.66996	2.51151		
	2.11154						2.46780	9.940
17 Freon 22	+++++	+++++	3.55149	+++++	3.37594	+++++		
	3.52798						3.48514	2.734

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 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	+++++	+++++	0.90869	0.66821	0.72871	+++++	0.60027	0.72647	18.215
27 Chloroethane	+++++	0.50942	0.61812	0.93354	0.94041	0.96474	0.98127	0.82458	24.939

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Isopentane	+++++	+++++	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	+++++	+++++	2.71198	+++++	2.92733	+++++	2.88121	2.84017	3.992
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Pentane	+++++	+++++	3.92235	+++++	4.38069	+++++	4.06686	4.12330	5.683

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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
38 Ethanol	+++++	+++++	0.68195	0.75980	0.77368	0.72441	0.63472	0.71491	7.998
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	1.85897	+++++	1.99026	+++++	1.95289	1.93404	3.498
41 Freon123	+++++	+++++	0.95863	+++++	1.13020	+++++	1.11272	1.06718	8.847
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	+++++	+++++	0.50224	+++++	0.62949	+++++	0.60228	0.57800	11.592
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

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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
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	+++++	+++++	3.24280	+++++	2.73117	+++++	1.68724	2.55373	31.045

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 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	+++++	+++++	1.81927	+++++	2.02680	+++++	1.71139	1.85249	8.654
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	+++++	+++++	1.31129	+++++	1.50417	+++++	1.40085	1.40544	6.868
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	+++++	+++++	7.33286	+++++	8.13508	+++++	7.90034	7.78943	5.295
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	+++++	+++++	0.45545	0.47320	0.53720	+++++	0.52522	0.49777	7.954
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	4.44421	+++++	4.51407	+++++	4.51044	4.48957	0.876
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	+++++	+++++	0.69960	+++++	0.81441	+++++	0.81830	0.77744	8.674

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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
78 2,2-Dichloropropane	+++++	+++++	1.44445	+++++	2.12488	+++++	2.12075	1.89669	20.650
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	+++++	+++++	0.17074	+++++	0.18861	+++++	0.17974	0.17970	4.971

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	200.000 Level 7							
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	+++++	+++++	3.73137	+++++	3.74295	+++++		
	3.63212						3.70214	1.646
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	+++++	+++++	2.54479	2.99654	3.52306	+++++		
	3.59042						3.16370	15.509
98 1-Butanol	+++++	+++++	0.23615	+++++	0.39640	+++++		
	0.40632						0.34629	27.581
99 Isobutanol	+++++	+++++	+++++	0.01051	0.01194	+++++		
	0.01294						0.01180	10.366
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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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	+++++	+++++	0.35613	+++++	0.40796	+++++	0.37581	0.37997	6.886
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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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	+++++	+++++	0.57634	+++++	0.64054	+++++	0.60307	0.60665	5.316
119 Butyl Acetate	+++++	+++++	0.42532	+++++	0.58522	+++++	0.56395	0.52483	16.545
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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 Dibromochloromethane	+++++	0.64177	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	+++++	+++++	0.50200	+++++	0.55068	+++++	0.50886	0.52051	5.062
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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
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	+++++	+++++	0.63013	+++++	0.80329	+++++	0.81701	0.75014	13.886
136 Bromobenzene	+++++	+++++	0.61116	+++++	0.60667	+++++	0.55409	0.59064	5.373
138 1,2,3-Trichloropropane	+++++	+++++	0.27822	+++++	0.28043	+++++	0.26490	0.27452	3.059
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	+++++	+++++	0.43910	+++++	0.46926	+++++	0.43811	0.44882	3.945
142 Propylbenzene	+++++	2.10921	2.40356	2.58845	2.48828	2.35966	2.31918	2.37806	6.862
143 4-Chlorotoluene	+++++	+++++	0.42584	+++++	0.44194	+++++	0.42422	0.43067	2.274

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
145 4-Ethyltoluene	+++++	1.76866	2.07029	2.16220	2.10773	1.99305	1.95919	2.01019	6.946
146 Diisobutyl Ketone	+++++	+++++	1.59888	1.73969	1.75566	+++++	1.65714	1.68784	4.346
147 1,3,5-Trimethylbenzene	+++++	1.59458	1.80422	1.81523	1.73790	1.62734	1.58045	1.69329	6.249
148 tert-Butylbenzene	+++++	+++++	1.48721	+++++	1.43404	+++++	1.28391	1.40172	7.522
149 sec-Butylbenzene	+++++	+++++	1.96932	+++++	1.88459	+++++	1.72717	1.86036	6.605
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	+++++	+++++	1.72990	+++++	1.65805	+++++	1.53700	1.64165	5.939

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 1,2,3-Trimethylbenzene	+++++	+++++	0.59477	+++++	0.56592	+++++	0.53524	0.56531	5.267
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	+++++	+++++	0.41269	+++++	0.38656	+++++	0.37878	0.39267	4.524
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	+++++	+++++	0.43890	+++++	0.39158	+++++	0.39508	0.40852	6.454
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
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	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30apr.b/t14q326d.m
Cal Date : 30-Apr-2007 13:36 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
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/7-30apr.b/t14q326d.m
Start Cal Date: 26-MAR-2007 11:32
End Cal Date : 30-APR-2007 11:49

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		
30-APR-2007 09:28	sp5d-1	/chem/msd7.i/7-30apr.b/7043003.d
20-APR-2007 13:25	sp5c	/chem/msd7.i/7-20apr.b/7042008.d
20-APR-2007 10:15	sp15c	/chem/msd7.i/7-20apr.b/7042004.d
03-APR-2007 10:16	sp14b	/chem/msd7.i/7-03apr.b/7040304.d
26-MAR-2007 13:01	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032607.d
Cal Level: 4 , Cal Amount: 25.00000		
30-APR-2007 10:07	sp5d	/chem/msd7.i/7-30apr.b/7043004.d
26-MAR-2007 13:51	AT04mdl+ENSR	/chem/msd7.i/7-26mar.b/7032608.d
Cal Level: 5 , Cal Amount: 50.00000		
30-APR-2007 11:11	sp5d	/chem/msd7.i/7-30apr.b/7043005.d
20-APR-2007 14:19	sp5c	/chem/msd7.i/7-20apr.b/7042009.d
20-APR-2007 10:55	sp15c	/chem/msd7.i/7-20apr.b/7042005.d
03-APR-2007 11:07	sp14b	/chem/msd7.i/7-03apr.b/7040305.d
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

30-APR-2007 11:49	sp5d	/chem/msd7.i/7-30apr.b/7043006.d
20-APR-2007 15:08	sp5c	/chem/msd7.i/7-20apr.b/7042010.d
20-APR-2007 11:43	sp15c	/chem/msd7.i/7-20apr.b/7042006.d
03-APR-2007 11:52	sp14b	/chem/msd7.i/7-03apr.b/7040306.d
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

30-APR-2007 11:11	sp5dCCV	/chem/msd7.i/7-30apr.b/7043005a.d

Ccal Level: 5 , Ccal Amount: 50.000

30-APR-2007 11:11	sp5d	/chem/msd7.i/7-30apr.b/7043005.d

Ccal Level: 5 , Ccal Amount: 50.000

30-APR-2007 11:11	sp5dCCV	/chem/msd7.i/7-30apr.b/7043005a.d

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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	6.526
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: 70326004

Tekmar Purge Flow: 23.5 mL/min

Vacuum: 3.2 -5

IS/S Std.#:	1408 -388	Exp. Date: 5/2/07
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 x100 = 96.814 %

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

Calculation Check:

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

~~File ID:~~	
Compound:	
Initials:	

Reported Result _____ fo 3/26/07

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	70326004	BFB Tune Check	#843912	50psig	2mL	1.00	fo	3/26/07	~~0758~~ 1052	fo/RT	
2	✓	05	ICAL level 1	200ppbv - 0.3ppbv		0.3 mL		fo		~~0758~~ 1132	AM/RT	#1487-164
3	✓	06	2	1487-164 - 0.5ppbv		0.5mL		fo		1216	AM/RT	
4	✓	07	3	- 2.0ppbv		2.0mL		fo		1301	AM/RT	
5	✓	08	4	- 25ppbv		25mL		fo		1351	AM/RT	
6	✓	09	5	- 50ppbv		50mL		fo		1433	AM/RT	
7	✓	10	6	- 100ppbv		100mL		fo		1518	AM/RT	
8	✓	11	7	200ppbv		200mL		RM		1602	AM/RT	
9	X	12	System Blank	34190	Humid	200mL	✓	AM	✓	1659	RM	

Signature

3-26-07
Date

10	✓	7032613	System Blank	34190	Humid	200mL	1.00	[illegible]	3/26/07	2052	[illegible]	
11	✓	↓ 14	LCS	1408-408	50ppb	50mL	1.00	[illegible]	↓	2132	[illegible]	ICAL LCS
12												
13												
14												
15												
16												
17												
18												
19							[illegible] 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 = 23.6 mL/min
Actual flow = 25.0 mL/min

Signature: [illegible]

Date: 3-26-07

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MSD-7

Logbook #: 1546

4-3-07 C.T.

BFB Injection Date: ~~7~~ 4-3-07
BFB Injection Time: 08:29
BFB File ID: 7040301
Tekmar Purge Flow: 25.6 mL/min
Vacuum: 2.5x10-5

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.28
75	30.0 – 60.0% of mass 95	45.28
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.60
173	Less than 2.0% of mass 174	(0.36)[1]
174	Greater than 50.0% of mass 95	77.22
175	5.0 – 9.0% of mass 174	(7.59)[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	(6.30)[2]

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

IS/S Std.#: 1408-388	Exp. Date: 5-20-07
BCM	239548
1,4-DFB	969687
CB-d5	787763

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

Verify 176/174 m/z Ratio: 365749 / 374357 X100 = 97.71

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(347330)}{(239548)} \times \frac{(25)}{(1.55953)} = 24.582$

Reported Result 24.582

File ID:	7040302
Compound:	1,2DCA-d4
Initials:	EA

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7040301	BFB Tune Check	8432917	50ng	2ml	1.00	C.T.	4-3-07	08:29	C.T.	
2	✓	02	CCV-1 (200ppbv)	1487-764	50ppbv	50mL				0846	ED	
3	✓	03	LCS-1 (100ppbv)	1408-408A	50ppbv	100mL		EA		0925	EA	
4	✓	04	ICAL level 3 (200ppbv)	1408-170	2ppbv	2.0mL		EA		1016	ED	Spiub/tug3266
5	✓	05	5		50ppbv	50mL		ED		1107	ED	
6	✓	06	7 ~~4~~ 4/3/07		200ppbv	200mL		ED		1152	ED	
7	✓	07	Lab Blank	34190	Humid	200mL		ED		1234	ED	
8	✓	08	0703561 -01A	25275	13.0"Hg-5psi	100mL	2.44	ED		1347	ED	
9		09	-02A	11024	8.0"Hg-5psi		2.36	EA				

Signature [signature]

Date 4/3/07

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MSD-7

Logbook #: 1546

0057

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.06
75	30.0 – 60.0% of mass 95	46.71
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.38
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	74.46
175	5.0 – 9.0% of mass 174	(7.71)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.43)[1]
177	5.0 – 9.0% of mass 176	(6.58)[2]

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

BFB Injection Date: 4-20-07
BFB Injection Time: 08:13
BFB File ID: 7042001
Tekmar Purge Flow: 23.3 mL/min
Vacuum: 2.6 x 10-5

IS/S Std.#: 1408-388	Exp. Date: 5-20-07
BCM	192049
1,4-DFB	~~005316~~
CB-d5	649518

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

Verify 176/174 m/z Ratio: 270020/280213 x 100 = 96.43

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF}$ = (~~283931~~ 298654) / (192049) × (25) / (1.55953) = ~~23.6~~ 24.929

Reported Result 24.929

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

Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	7042001	BFB Tune Check	843-2917	50ng	2ml	1.00	C.T.	4-20-07	0813	C.T.	
2	02	CCV-1 (200ppbv)	1487-164	50ppbv	50mL				0931	ED	
3	03	LCS-1 (200ppbv)	1487-192						0912	EA	
4	04	ICAL level 3	1443-26	2ppbv	2.0ml		EA		1015	EA	SP 190 1443-26 +1443-26c
5	05	5		50ppbv	50ml		ED		1055	EA	
6	06	7		200ppbv	200ml		ED		1143	EA	
7	07	System Blank	34190	Humid	200ml		EA		1237	ED	
8	08	ICAL level 3	1487-192	2ppbv	2.0ml		ED		1375	ED	SP 5e
9	09	5		50ppbv	50ml		ED		1419	ED	

Signature ______ Date 4/20/07

10	✓	7042810	ECL level 7	11487-182	200ppm	200mL	1.00	ER	4/21/07	1508	EA		
11	✓	11	Lab Blank	34190	Humid	200mL	1.00	EA	↓	1611	QM/EA		
12	X	12	0704375-01A	ILBag	N/A	2.5mL	8.10	QM	4-20-07	1700	QM	rr @ 4mL	
13	✓	13	System Blank	34190	Humid	200mL	1.00	QM		1809	QM/EA		
14	~~X~~ KR 4-21-07 ✓	14	0704375-01AA	ILBag	N/A	4.0mL	50.0	QM		1908	QM/KR	rr @ 3.5mL Dup	
15	✓	15	-01A	↓	↓	3.0mL	66.7	QM		1953	QM/KR		
16	X	16	02A	ILBag	N/A	1.0mL	200			2047	QM/—	rr @ 65mL 100X	
17	✓	17	↓ 02A	↓	↓	65mL	308			2141	QM/EA	100X	
18	✓	18	0704405-01A	ILBag	N/A	200mL	1.00			2238	KR		
19	X	19	0704403-01A	ILBag	NA	8.0mL	25.0	KR		2329	KR	bad screen RR 80mL	
20	✓	20	System Blank	34190	Humid	200mL	1.00	KR	4-21-07	0019	KR		
21	✓	21	0704403-01A	ILBag	NA	80mL	250	KR		0105	KR	100X	
22	✓	22	↓ -01AA	↓	↓	↓	↓	KR		0203	KR	100X Dup	
23	✓	23	0704353-01A	33642	3.5"Hg-15psi	200mL	2.29	KR		0245	KR		
24	✓	24	-01AA	↓	↓	↓	↓	KR		0326	KR		
25	✓	25	-02A	35593	6.0"Hg-15psi	200mL	2.53	KR		0410	KR		
26	✓	26	0704395A-01A	31753	3.5"Hg-15psi	200mL	2.29	KR		0453	KR		
27	✓	27	↓ -01AA	↓	↓	↓	↓	KR		0533	KR		
28													
29													
30													
31													
32													

00558

Comments:

Signature

4/21/07
Date

4/24/07

@ Air Toxics Ltd.

MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.52
75	30.0 – 60.0% of mass 95	47.87
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.47
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	81.70
175	5.0 – 9.0% of mass 174	(7.47)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.17)[1]
177	5.0 – 9.0% of mass 176	(6.55)[2]

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

BFB Injection Date: 4-30-07
BFB Injection Time: 0808
BFB File ID: 7043001
Tekmar Purge Flow: 22.7 mL/min
Vacuum: 2.7x10-5

IS/S Std.#:	1408-388	Exp. Date: 5-20-07
BCM	172121	
1,4-DFB	704341	
CB-d5	564031	

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

Verify 176/174 m/z Ratio: 245568 / 255296 x 100 = 96.19

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(\ 26526\ )}{(\ 172121\ )} \times \frac{(\ 25\ )}{(\ 1.55953\ )}$ = 24.357

Reported Result 24.357

File ID:	7043007
Compound:	1,2-DCA-d4
Initials:	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7043001	BFB Tune Check	8432917	5psig	2mL	1.00	C.T.	4-30-07	0808	C.T.	
2		02	Lab Blank	34190	Humid	200mL				0844	C.T.	
3	✓	03	ICAL Level 3 200ppbv/1200ppbv	1443-63	2.0/8.12ppbv	2.0mL				0928	C.T.	5psig TAQ326D
4	✓	04	ICAL Level 4 (200/1200ppbv)	1443-63 4-30-07	8/48ppbv	8.0mL				1007	C.T.	
5	✓	05	ICAL Level 5 (200/1200ppbv)	↓	50/300ppbv	50mL				1111	C.T.	5psig CCV
6	✓	06	ICAL Level 7 (200/1200ppbv)	↓	200/1200ppbv	200mL				1149	C.T.	
7	✓	07	CCV-1 (200ppbv)	1487-164	50ppbv	50mL				1234	C.T.	Hexachlorobutadiene NEpb
8	✓	08	LCS-1 (200ppbv)	1487-192	50ppbv	50mL	↓	↓	↓	1343	C.T.	
9	✓	09	Lab Blank	34190	Humid	200mL	1.00	C.T.	↓	1428	C.T.	

C Taylor
Signature

4-30-07
Date

0059

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.

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/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

Report Date: 26-Mar-2007 22:02

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

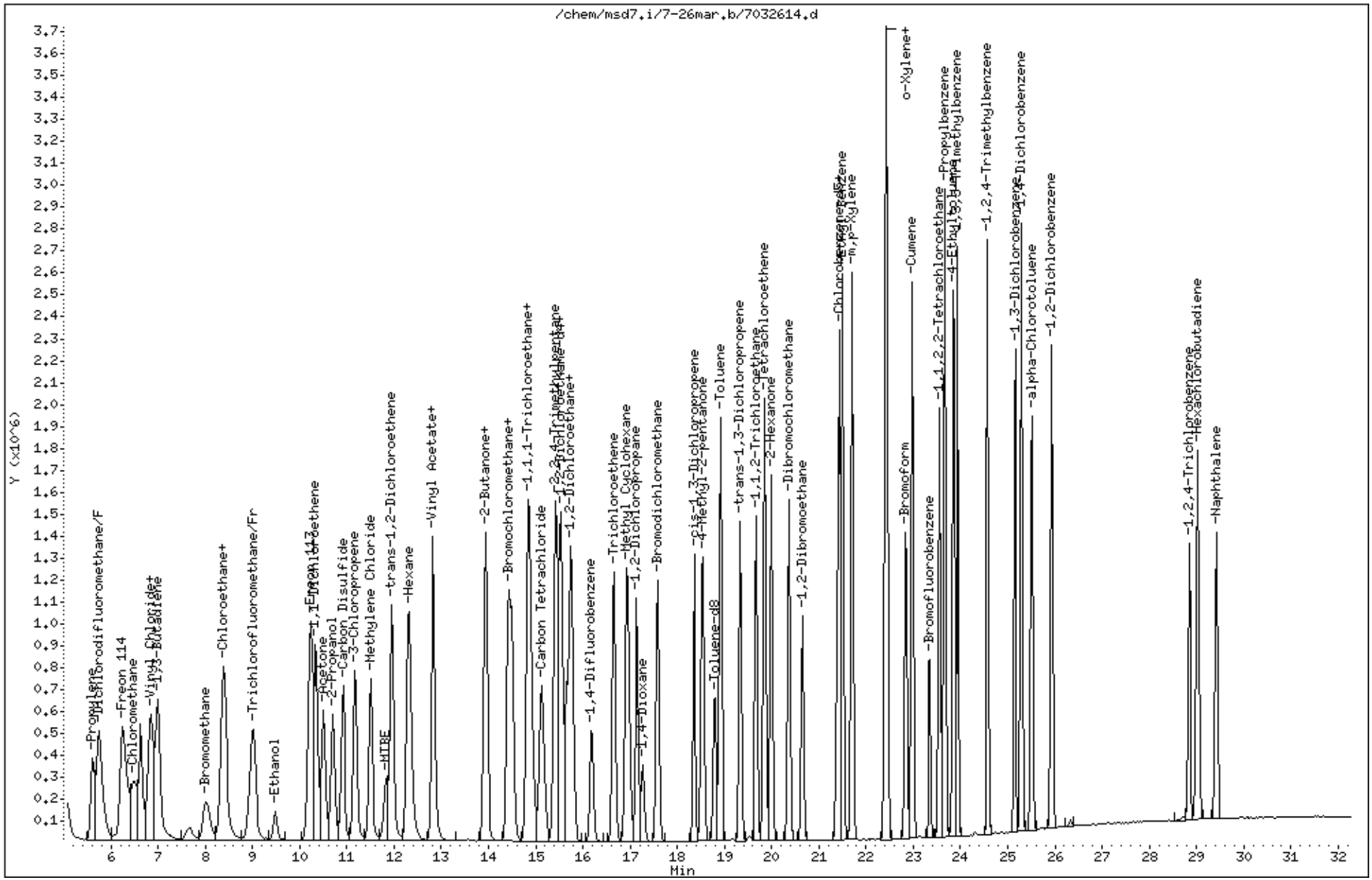
0073

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



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

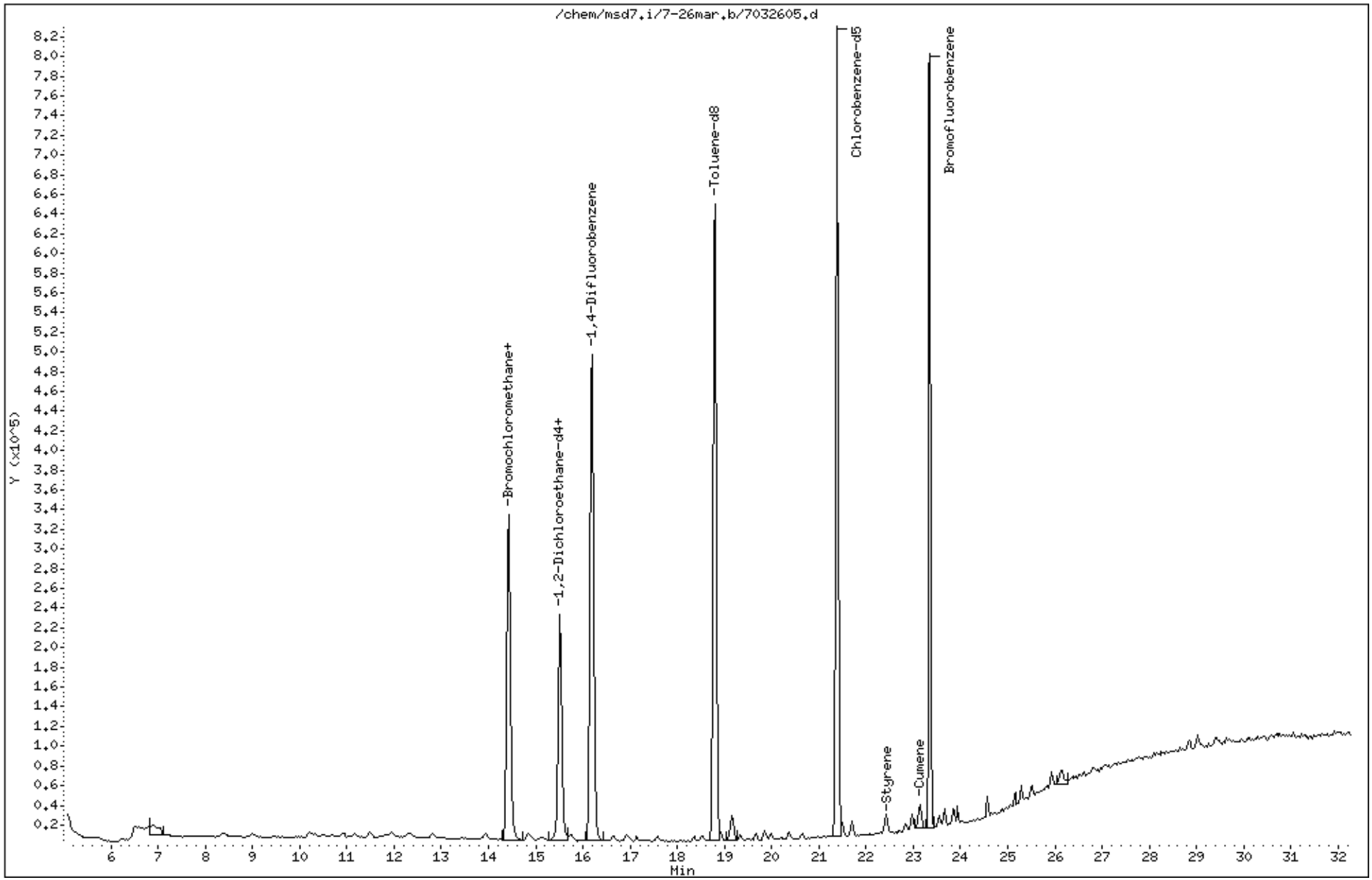
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0077

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)	AMOUNTS 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).

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

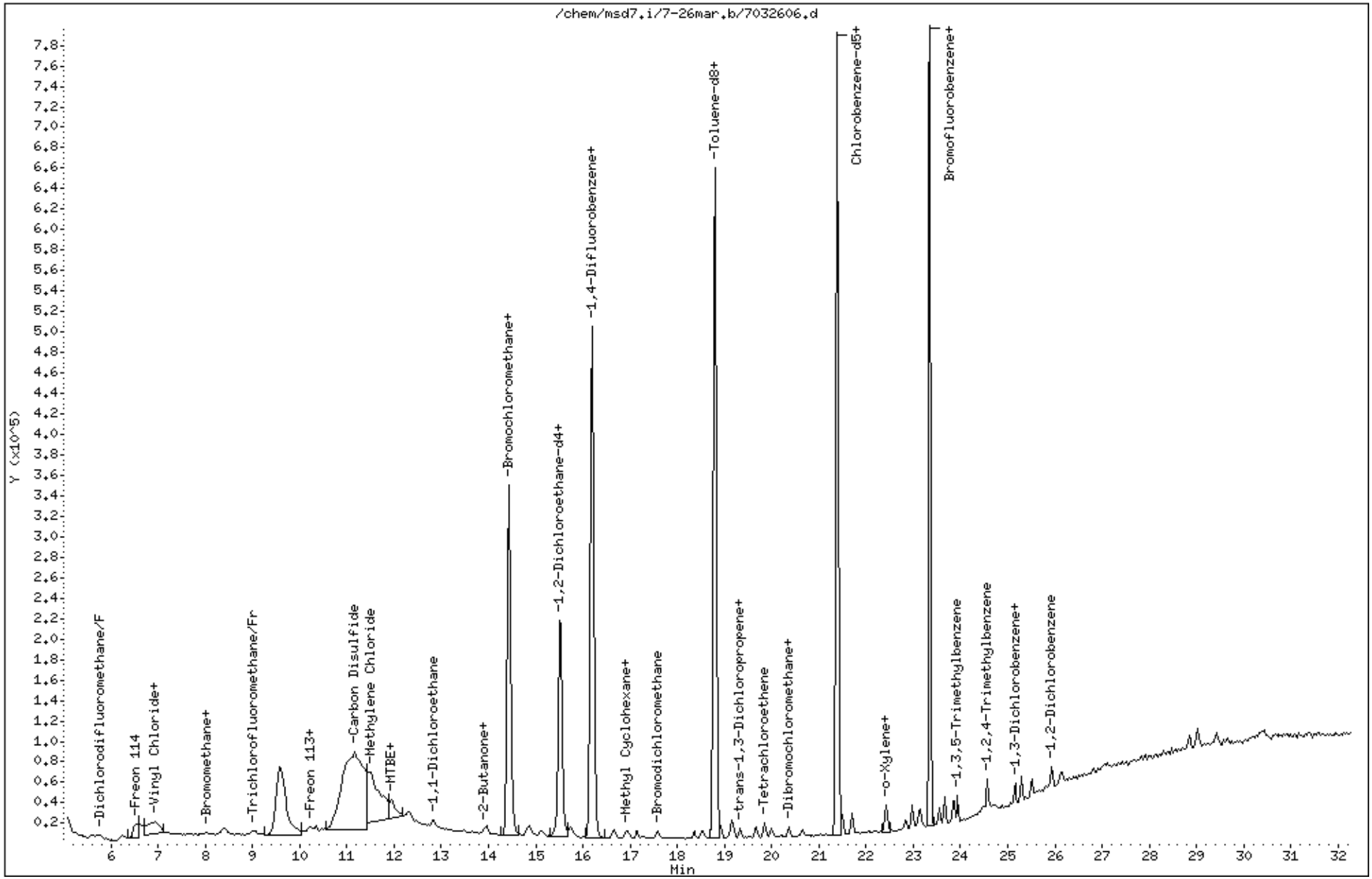
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.20	15.87	16.53	16.20	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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.

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



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30apr.b/7043003.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 30-APR-2007 09:28
Operator : ct Inst ID: msd7.i
Smp Info : 2.0mL #1443-63
Misc Info : 2.0/12ppbv (200/1200ppbv) sp5d
Comment :
Method : /chem/msd7.i/7-30apr.b/t14q326d.m
Meth Date : 30-Apr-2007 13:35 ctaylor Quant Type: ISTD
Cal Date : 30-APR-2007 09:28 Cal File: 7043003.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5d-1.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		
14.419	14.419 (1.000)	130	166620	25.0000		50.00- 150.00	100.00
14.419	14.419 (1.000)	128	127713			26.82- 126.82	76.65
14.419	14.419 (1.000)	49	307498			180.81- 280.81	184.55
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.188	16.188 (1.000)	114	680445	25.0000		50.00- 150.00	100.00
16.188	16.188 (1.000)	88	111425			0.00- 66.62	16.38
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.386	21.386 (1.000)	117	529370	25.0000		50.00- 150.00	100.00
21.359	21.359 (1.000)	82	316459			13.26- 113.26	59.78
26 Methanol					CAS #: 67-56-1		
7.563	7.563 (0.524)	31	72675	12.0000	12.000	50.00- 150.00	100.00
7.563	7.563 (0.524)	32	49852			18.60- 118.60	68.60
71 1-Propanol					CAS #: 71-23-8		
12.843	12.843 (0.891)	42	6071	2.00000	2.000	50.00- 150.00	100.00
12.843	12.843 (0.891)	59	6196			52.06- 152.06	102.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.704	12.704 (0.881)	41	19771			275.66- 375.66	325.66
96 2-Heptanone					CAS #: 110-43-0		
22.520	22.520 (1.562)	58	33921	2.00000	2.000	50.00- 150.00	100.00
22.520	22.520 (1.562)	43	63869			138.29- 238.29	188.29
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.096	24.096 (1.127)	57	67712	2.00000	2.000	50.00- 150.00	100.00
24.096	24.096 (1.127)	85	48132			21.08- 121.08	71.08
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7043003.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30apr.b/t14q326d.m
Misc Info: 2.0/12ppbv (200/1200ppbv) sp5d

Calibration Date: 30-APR-2007
Calibration Time: 11:11
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	166464	99878	233050	166620	0.09
97 1,4-Difluorobenze	684992	410995	958989	680445	-0.66
126 Chlorobenzene-d5	545068	327041	763095	529370	-2.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.42	14.09	14.75	14.42	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.39	0.13

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/7-30apr.b/7043003.d

Page 1

Date : 30-APR-2007 09:28

Client ID: Level 3

Instrument: msd7.i

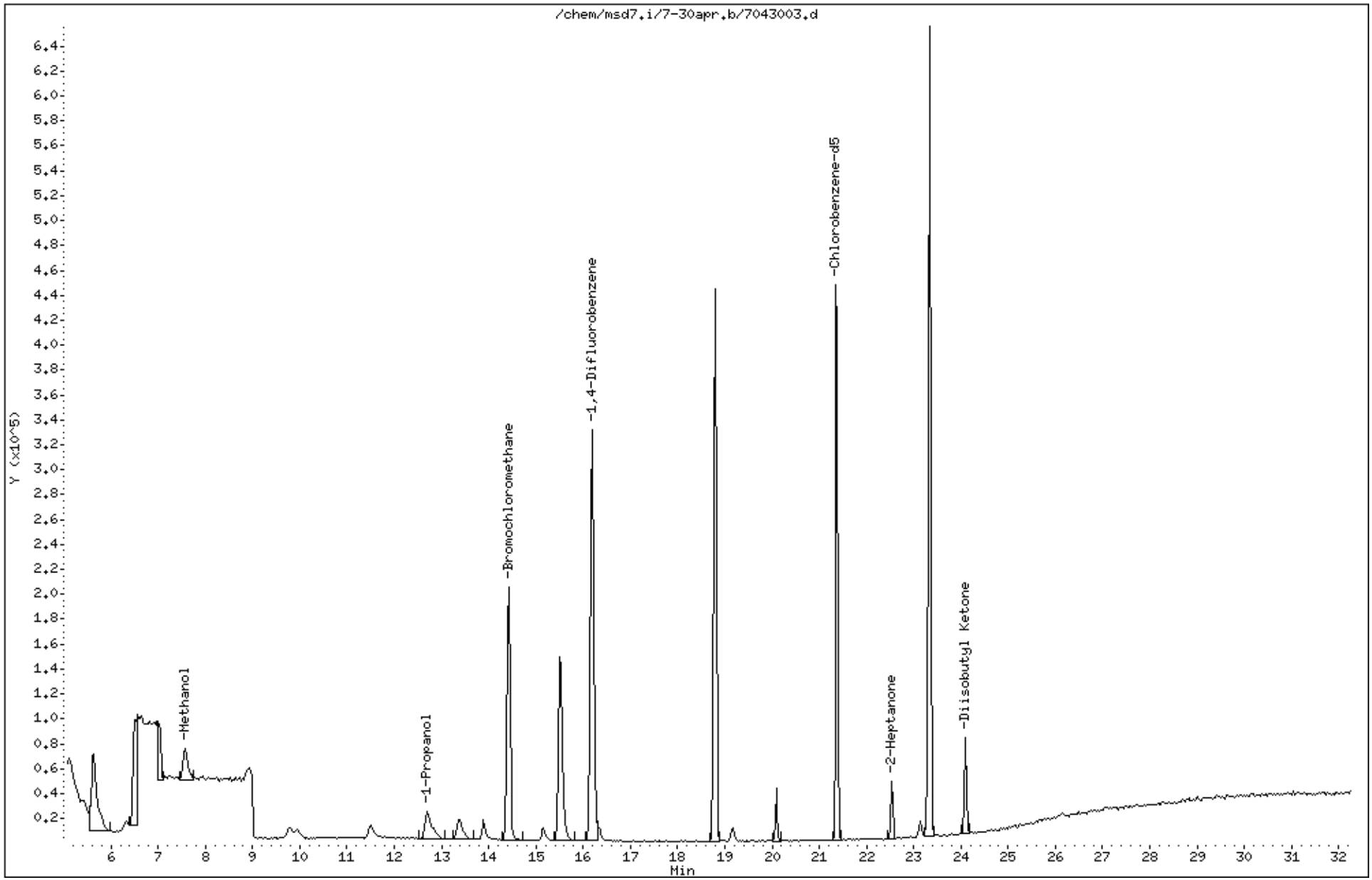
Sample Info: 2.0mL #1443-63

Operator: ct

Column phase: RTx-624

Column diameter: 0.53

0090



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042008.d
Lab Smp Id: ICAL LEVEL 3
Inj Date : 20-APR-2007 13:25
Operator : ea Inst ID: msd7.i
Smp Info : 2.0ml #1487-182
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 13:25 Cal File: 7042008.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5c.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	185418	25.0000		50.00- 150.00		100.00
14.402	14.402 (1.000)	128	145789			27.23- 127.23		78.63
14.402	14.402 (1.000)	49	388232			185.20- 285.20		209.38
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
16.172	16.172 (1.000)	114	765417	25.0000		50.00- 150.00		100.00
16.172	16.172 (1.000)	88	128018			0.00- 66.68		16.73
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.370	21.370 (1.000)	117	597444	25.0000		50.00- 150.00		100.00
21.370	21.370 (1.000)	82	384219			13.94- 113.94		64.31
37 Pentane					CAS #: 109-66-0			
9.094	9.094 (0.631)	43	58182	2.00000	2.000	50.00- 150.00		100.00
9.094	9.094 (0.631)	57	7576			0.00- 63.02		13.02
9.094	9.094 (0.631)	72	4535			0.00- 57.79		7.79
44 Acrolein					CAS #: 107-02-8			
10.144	10.144 (0.704)	55	7450	2.00000	2.000	50.00- 150.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
44 Acrolein (continued)							
10.144	10.144 (0.704)	56	11065			98.52- 198.52	148.52
62 Acrylonitrile					CAS #: 107-13-1		
12.025	12.025 (0.835)	53	26986	2.00000	2.000	50.00- 150.00	100.00
12.025	12.025 (0.835)	52	20271			25.12- 125.12	75.12
66 1-Hexene					CAS #: 592-41-6		
12.163	12.163 (0.844)	55	19451	2.00000	2.000	50.00- 150.00	100.00
12.163	12.163 (0.844)	41	36881			139.61- 239.61	189.61
12.163	12.163 (0.844)	84	6672			0.00- 84.30	34.30
105 Dibromomethane					CAS #: 74-95-3		
17.361	17.361 (1.074)	174	21807	2.00000	2.000	50.00- 150.00	100.00
17.361	17.361 (1.074)	93	23842			59.33- 159.33	109.33
17.361	17.361 (1.074)	95	19086			37.52- 137.52	87.52

Report Date: 20-Apr-2007 15:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7042008.d
Lab Smp Id: ICAL LEVEL 3
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 20-APR-2007
Calibration Time: 14:19
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	189546	113728	265364	185418	-2.18
97 1,4-Difluorobenze	768689	461213	1076165	765417	-0.43
126 Chlorobenzene-d5	607288	364373	850203	597444	-1.62

		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.

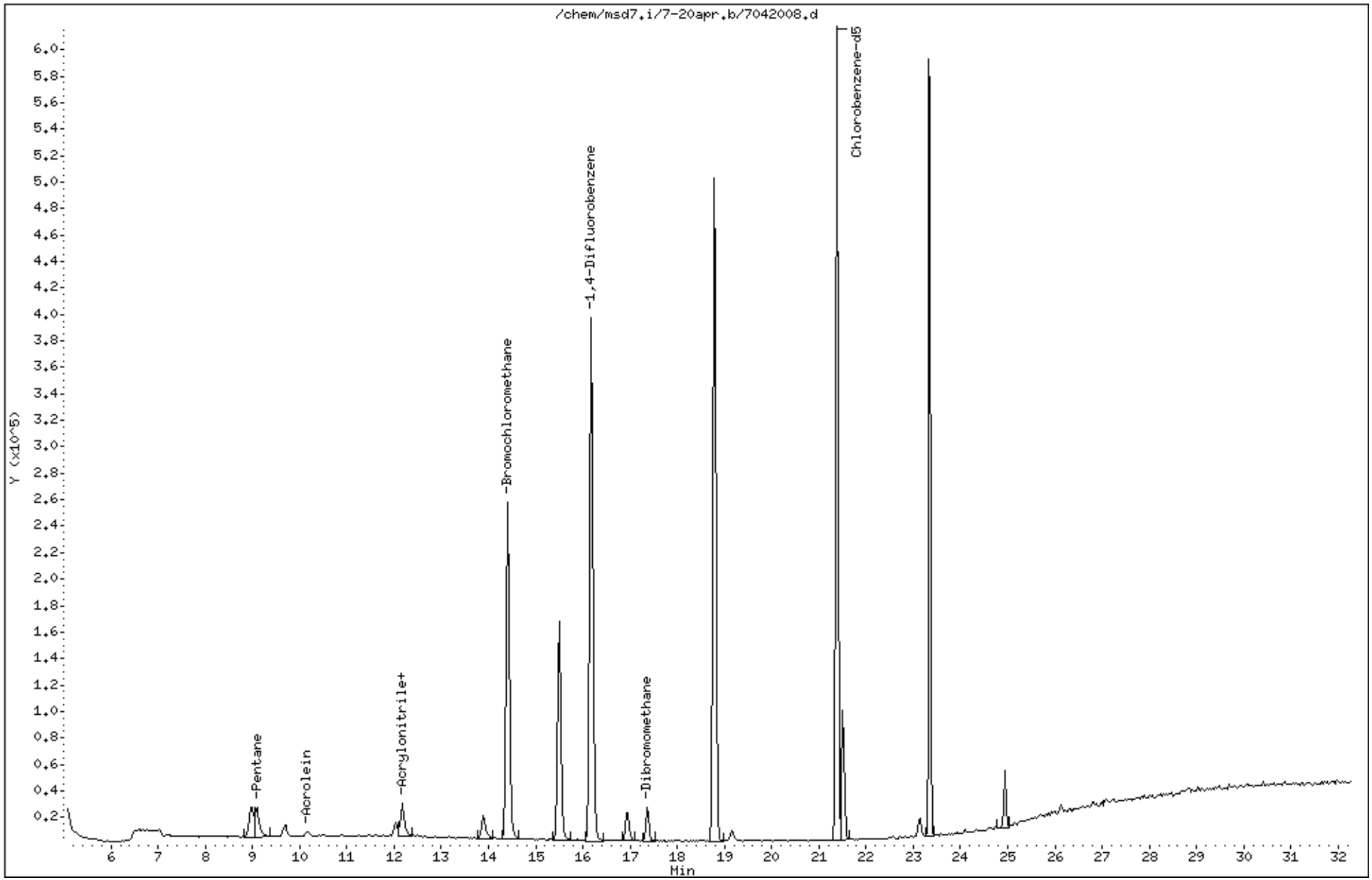
0094

Data File: /chem/msd7.i/7-20apr.b/7042008.d
Date : 20-APR-2007 13:25
Client ID:
Sample Info: 2.0ml #1487-182

Column phase: RTx-624

Instrument: msd7.i

Operator: ea
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042004.d
Lab Smp Id: ical level 3
Inj Date : 20-APR-2007 10:15
Operator : ea Inst ID: msd7.i
Smp Info : 2.0ml #1443-26
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 10:15 Cal File: 7042004.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.402	14.402 (1.000)	130	186999	25.0000		50.00- 150.00	100.00
14.402	14.402 (1.000)	128	143271			26.95- 126.95	76.62
14.402	14.402 (1.000)	49	397584			186.09- 286.09	212.61
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	777468	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	132340			0.00- 66.71	17.02
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	608986	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	389057			14.08- 114.08	63.89
15 Freon 152a					CAS #: 75-37-6		
5.610	5.610 (0.390)	65	16644	2.00000	2.000	50.00- 150.00	100.00
5.610	5.610 (0.390)	51	30376			132.50- 232.50	182.50
5.638	5.638 (0.391)	47	7093			0.00- 92.62	42.62
17 Freon 22					CAS #: 75-45-6		
5.776	5.776 (0.401)	51	53130	2.00000	2.000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Freon 22 (continued)							
5.776	5.776 (0.401)	67	5197			0.00- 59.78	9.78
6.329	6.329 (0.439)	85	6236			0.00- 61.74	11.74
6 Freon142b					CAS #: 75-68-3		
6.301	6.301 (0.438)	65	42715	2.00000	2.000	50.00- 150.00	100.00
6.329	6.329 (0.439)	45	13356			0.00- 81.27	31.27
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.900	8.900 (0.618)	67	40571	2.00000	2.000	50.00- 150.00	100.00
8.928	8.928 (0.620)	69	12812			0.00- 81.58	31.58
0.000	1.000 (0.000)	35	0			0.00- 50.00	0.00
40 Freon123a					CAS #: 354-23-4		
9.785	9.785 (0.679)	67	27810	2.00000	2.000	50.00- 150.00	100.00
9.785	9.785 (0.679)	117	16043			7.69- 107.69	57.69
41 Freon123					CAS #: 306-83-2		
9.979	9.979 (0.693)	83	14341	2.00000	2.000	50.00- 150.00	100.00
9.951	9.951 (0.691)	133	2728			0.00- 69.02	19.02
9.951	9.951 (0.691)	85	9891			18.97- 118.97	68.97
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.499	11.499 (0.798)	59	48512	2.00000	2.000	50.00- 150.00	100.00
11.499	11.499 (0.798)	41	16494			0.00- 84.00	34.00
11.527	11.527 (0.800)	57	4185			0.00- 58.63	8.63
68 Isopropyl ether					CAS #: 108-20-3		
12.716	12.716 (0.883)	45	109699	2.00000	2.000	50.00- 150.00	100.00
12.716	12.716 (0.883)	87	18240			0.00- 66.63	16.63
12.716	12.716 (0.883)	59	8273			0.00- 57.54	7.54
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.379	13.379 (0.929)	59	66485	2.00000	2.000	50.00- 150.00	100.00
13.379	13.379 (0.929)	87	21777			0.00- 82.75	32.75
13.407	13.407 (0.931)	41	18291			0.00- 77.51	27.51
77 Ethyl Acetate					CAS #: 141-78-6		
13.877	13.877 (0.964)	45	10466	2.00000	2.000	50.00- 150.00	100.00
13.877	13.877 (0.964)	61	8786			33.95- 133.95	83.95
13.877	13.877 (0.964)	43	73605			653.28- 753.28	703.28
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.564	15.564 (1.081)	73	55821	2.00000	2.000	50.00- 150.00	100.00
15.564	15.564 (1.081)	87	12518			0.00- 72.43	22.43
15.536	15.536 (1.079)	55	16328			0.00- 79.25	29.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1-Butanol					CAS #: 71-36-3		
16.338	16.338 (1.010)	56	14688	2.00000	2.000	50.00- 150.00	100.00
16.338	16.338 (1.010)	41	14525			48.89- 148.89	98.89
16.338	16.338 (1.010)	43	10954			24.58- 124.58	74.58
119 Butyl Acetate					CAS #: 123-86-4		
20.098	20.098 (1.243)	56	26454	2.00000	2.000	50.00- 150.00	100.00
20.098	20.098 (1.243)	73	8155			0.00- 80.83	30.83
20.098	20.098 (1.243)	43	73478			227.76- 327.76	277.76
135 Cyclohexanone					CAS #: 108-94-1		
23.306	23.306 (1.091)	55	30699	2.00000	2.000	50.00- 150.00	100.00
23.306	23.306 (1.091)	98	10456			0.00- 84.06	34.06
23.306	23.306 (1.091)	42	24251			29.00- 129.00	79.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7042004.d
Lab Smp Id: ical level 3
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 20-APR-2007
Calibration Time: 10:55
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	188945	113367	264523	186999	-1.03
97 1,4-Difluorobenze	779647	467788	1091506	777468	-0.28
126 Chlorobenzene-d5	612982	367789	858175	608986	-0.65

		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

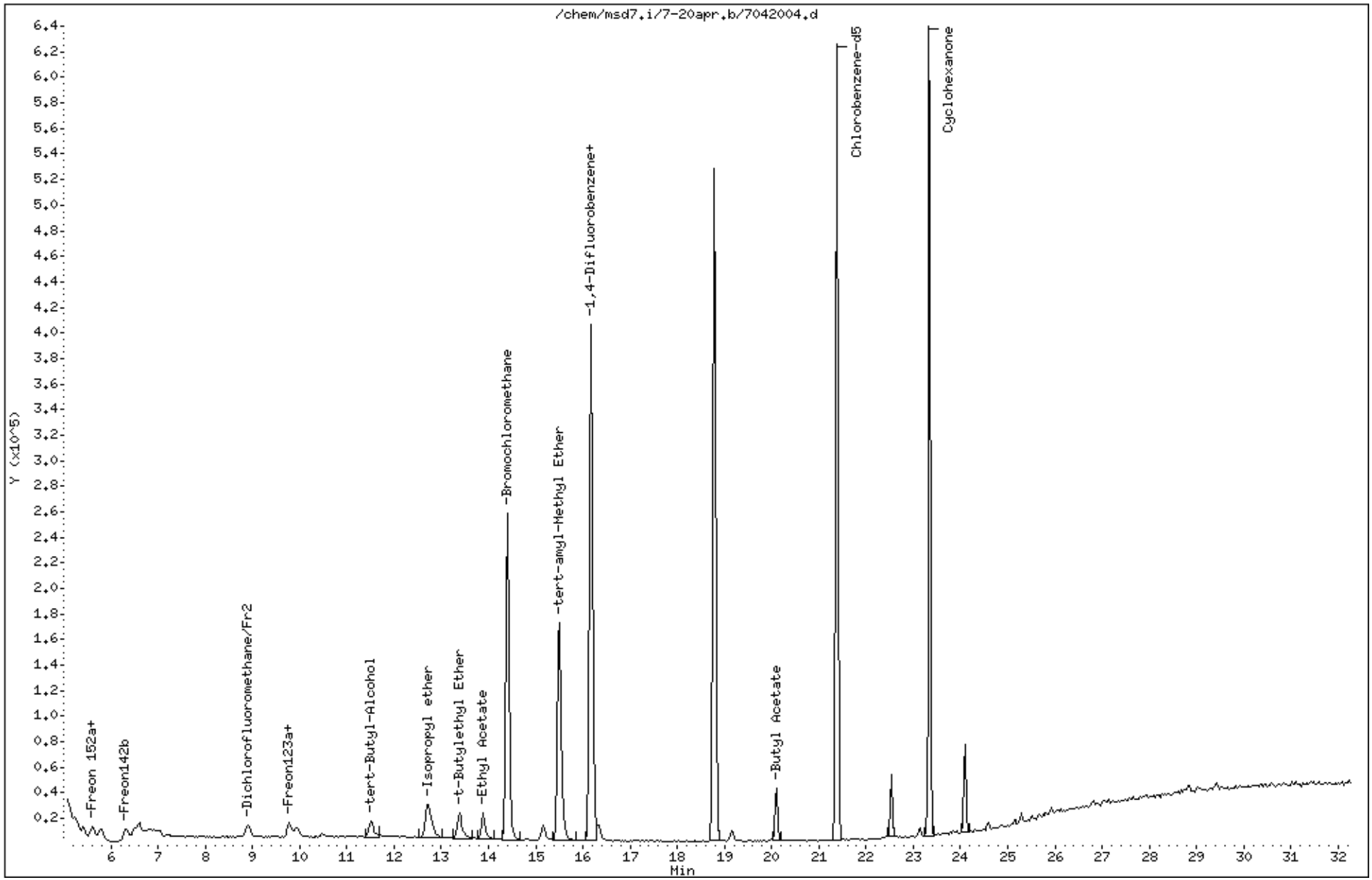
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0099

Data File: /chem/msd7.i/7-20apr.b/7042004.d
Date : 20-APR-2007 10:15
Client ID:
Sample Info: 2.0ml #1443-26

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03apr.b/7040304.d
Lab Smp Id: Ical level 3
Inj Date : 03-APR-2007 10:16
Operator : EA Inst ID: msd7.i
Smp Info : 2.0ml #1487-170
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msd7.i/7-03apr.b/t14q326b.m
Meth Date : 03-Apr-2007 11:50 ealcan Quant Type: ISTD
Cal Date : 03-APR-2007 10:16 Cal File: 7040304.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp14b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
136 Bromobenzene					CAS #: 108-86-1		
23.637	23.637 (1.106)	156	35769	2.00000	2.000	50.00- 150.00	100.00
23.637	23.637 (1.106)	158	32532			40.95- 140.95	90.95
23.637	23.637 (1.106)	77	77853			167.65- 267.65	217.65
158 Butylbenzene					CAS #: 104-51-8		
25.711	25.711 (1.203)	134	24153	2.00000	2.000	50.00- 150.00	100.00
25.711	25.711 (1.203)	91	101646			370.84- 470.84	420.84
25.711	25.711 (1.203)	92	58464			192.06- 292.06	242.06
149 sec-Butylbenzene					CAS #: 135-98-8		
24.826	24.826 (1.162)	105	115257	2.00000	2.000	50.00- 150.00	100.00
24.854	24.854 (1.163)	134	20737			0.00- 67.99	17.99
24.826	24.826 (1.162)	91	18258			0.00- 65.84	15.84
148 tert-Butylbenzene					CAS #: 98-06-6		
24.494	24.494 (1.146)	119	87041	2.00000	2.000	50.00- 150.00	100.00
24.494	24.494 (1.146)	134	19002			0.00- 71.83	21.83
24.467	24.467 (1.145)	91	61730			20.92- 120.92	70.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
141 2-Chlorotoluene					CAS #: 95-49-8		
23.914	23.914 (1.119)	126	25699	2.00000	2.000	50.00- 150.00	100.00
23.914	23.914 (1.119)	91	81840			268.46- 368.46	318.46
23.914	23.914 (1.119)	65	8937			0.00- 84.78	34.78
143 4-Chlorotoluene					CAS #: 106-43-4		
24.080	24.080 (1.127)	126	24923	2.00000	2.000	50.00- 150.00	100.00
24.080	24.080 (1.127)	91	77866			262.43- 362.43	312.43
24.080	24.080 (1.127)	63	10289			0.00- 91.28	41.28
162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
27.315	27.315 (1.278)	157	25687	2.00000	2.000	50.00- 150.00	100.00
27.315	27.315 (1.278)	75	25933			50.96- 150.96	100.96
27.315	27.315 (1.278)	155	20042			28.02- 128.02	78.02
118 1,3-Dichloropropane					CAS #: 142-28-9		
20.015	20.015 (1.236)	76	44149	2.00000	2.000	50.00- 150.00	100.00
19.988	19.988 (1.234)	41	40331			41.35- 141.35	91.35
20.015	20.015 (1.236)	78	16394			0.00- 87.13	37.13
78 2,2-Dichloropropane					CAS #: 594-20-7		
13.905	13.905 (0.964)	77	27447	2.00000	2.000	50.00- 150.00	100.00
13.877	13.877 (0.962)	79	10688			0.00- 88.94	38.94
13.905	13.905 (0.964)	97	4780			0.00- 67.42	17.42
153 p-Cymene					CAS #: 99-87-6		
25.047	25.047 (1.172)	119	101245	2.00000	2.000	50.00- 150.00	100.00
25.047	25.047 (1.172)	134	24951			0.00- 74.64	24.64
25.047	25.047 (1.172)	91	24753			0.00- 74.45	24.45
125 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
21.536	21.536 (1.008)	131	29380	2.00000	2.000	50.00- 150.00	100.00
21.536	21.536 (1.008)	117	21639			23.65- 123.65	73.65
21.536	21.536 (1.008)	95	12674			0.00- 93.14	43.14
138 1,2,3-Trichloropropane					CAS #: 96-18-4		
23.693	23.693 (1.109)	110	16283	2.00000	2.000	50.00- 150.00	100.00
23.693	23.693 (1.109)	75	55572			291.29- 391.29	341.29
23.693	23.693 (1.109)	61	15879			47.52- 147.52	97.52
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
25.296	25.296 (1.184)	120	34810	2.00000	2.000	50.00- 150.00	100.00
25.296	25.296 (1.184)	105	79059			177.12- 277.12	227.12
25.296	25.296 (1.184)	77	10544			0.00- 80.29	30.29
88 1,1-Dichloropropene					CAS #: 563-58-6		
15.149	15.149 (0.935)	110	13079	2.00000	2.000	50.00- 150.00	100.00

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
==	====== ========	====	========	=======	=======	==========	=====
88 1,1-Dichloropropene (continued)							
15.149	15.149 (0.935)	75	41246			265.36- 365.36	315.36
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	237522	25.0000		50.00- 150.00	100.00
14.430	14.430 (1.000)	128	183568			27.11- 127.11	77.28
14.402	14.402 (1.000)	49	502476			197.07- 297.07	211.55
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.200	16.200 (1.000)	114	957523	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	155640			0.00- 66.55	16.25
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	731580	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	467646			13.96- 113.96	63.92

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7040304.d
Lab Smp Id: Ical level 3
Analysis Type: VOA
Quant Type: ISTD
Operator: EA
Method File: /chem/msd7.i/7-03apr.b/t14q326b.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 03-APR-2007
Calibration Time: 11:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	243934	146360	341508	237522	-2.63
97 1,4-Difluorobenze	977960	586776	1369144	957523	-2.09
126 Chlorobenzene-d5	753533	452120	1054946	731580	-2.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.43	0.00
97 1,4-Difluorobenze	16.17	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.

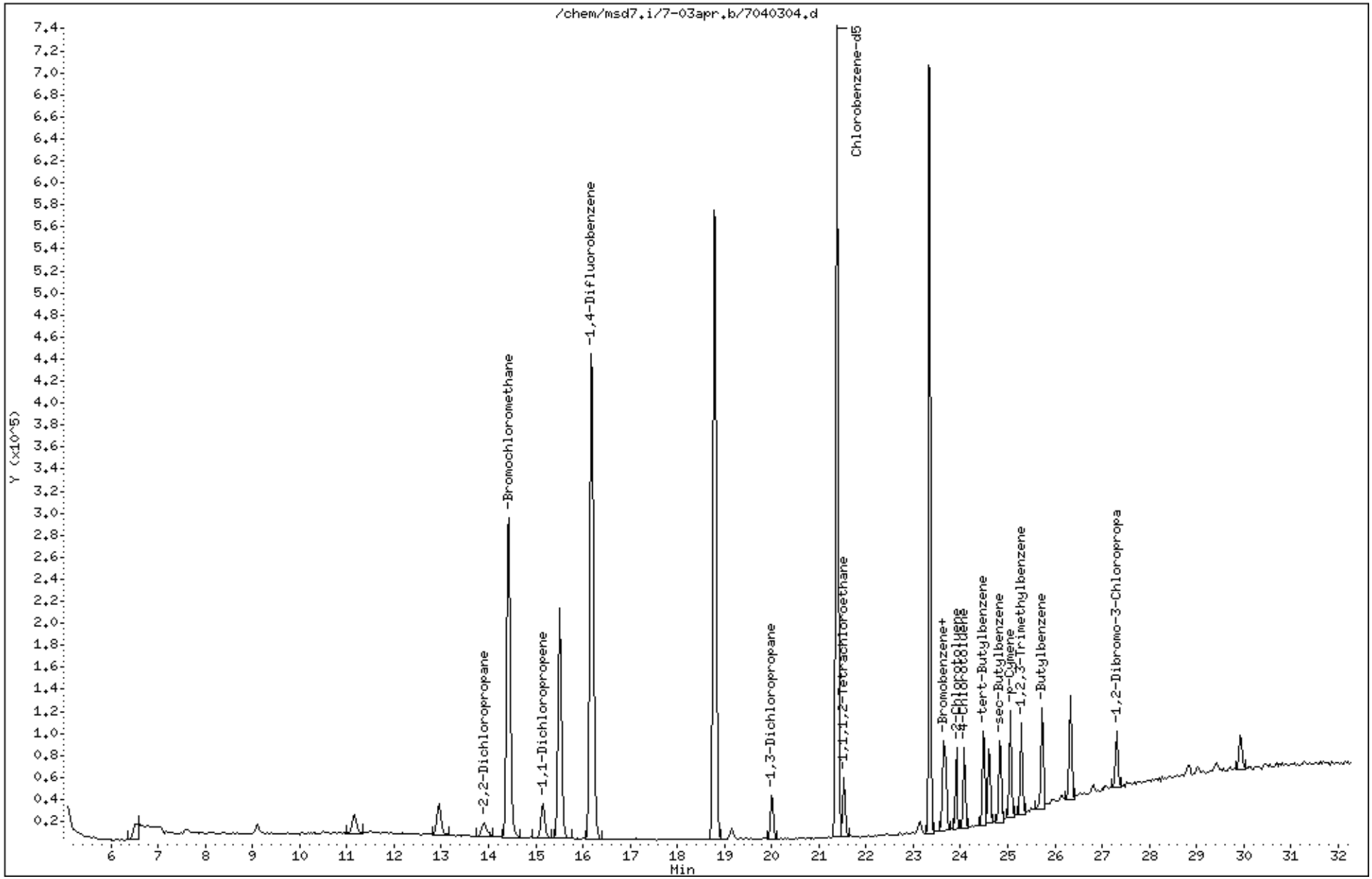
0104

Data File: /chem/msd7.i/7-03apr.b/7040304.d
Date : 03-APR-2007 10:16
Client ID:
Sample Info: 2.0ml #1487-170

Instrument: msd7.i

Operator: EA
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)	AMOUNTS 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).

Report Date: 27-Mar-2007 07:13

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

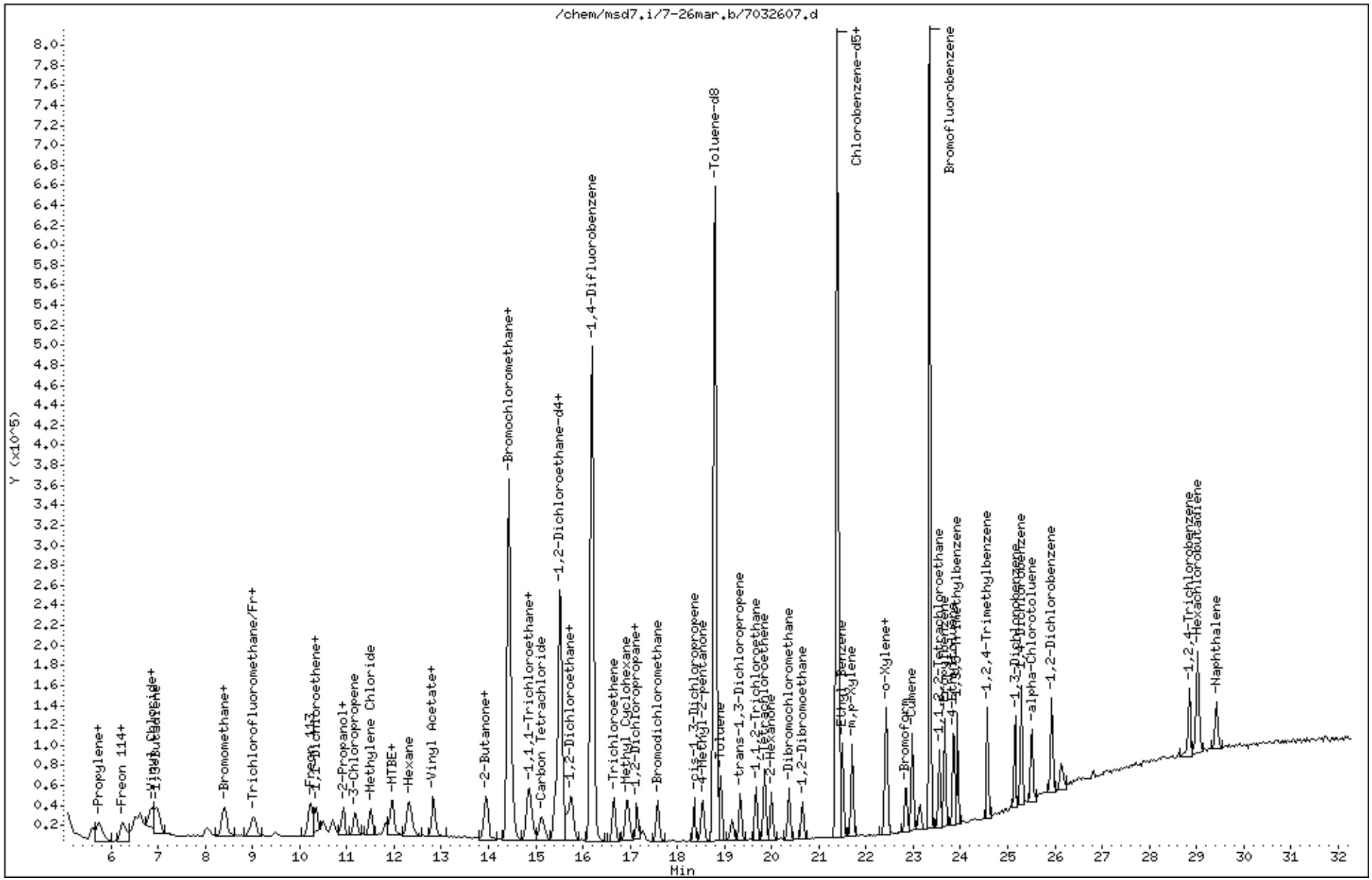
Column phase: RTx-624

Instrument: msd7.i

Operator: lo

Column diameter: 0.53

0114



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30apr.b/7043004.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 30-APR-2007 10:07
Operator : ct Inst ID: msd7.i
Smp Info : 8.0mL #1443-63
Misc Info : 8.0/48ppbv (200/1200ppbv) sp5d
Comment :
Method : /chem/msd7.i/7-30apr.b/t14q326d.m
Meth Date : 30-Apr-2007 13:35 ctaylor Quant Type: ISTD
Cal Date : 30-APR-2007 10:07 Cal File: 7043004.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5d.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		
14.419	14.419 (1.000)	130	167363	25.0000		50.00- 150.00	100.00
14.419	14.419 (1.000)	128	126142			26.67- 126.67	75.37
14.419	14.419 (1.000)	49	305547			170.68- 270.68	182.57
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.188	16.188 (1.000)	114	690346	25.0000		50.00- 150.00	100.00
16.188	16.188 (1.000)	88	109684			0.00- 66.47	15.89
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.386	21.386 (1.000)	117	524529	25.0000		50.00- 150.00	100.00
21.386	21.386 (1.000)	82	315010			12.56- 112.56	60.06
26 Methanol					CAS #: 67-56-1		
7.591	7.591 (0.526)	31	214721	48.0000	40.680	50.00- 150.00	100.00(a)
7.591	7.591 (0.526)	32	147016			18.53- 118.53	68.47
71 1-Propanol					CAS #: 71-23-8		
12.870	12.870 (0.893)	42	25343	8.00000	8.153	50.00- 150.00	100.00
12.870	12.870 (0.893)	59	25830			51.99- 151.99	101.92

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.732	12.732 (0.883)	41	79078			268.85- 368.85	312.03
96 2-Heptanone					CAS #: 110-43-0		
22.520	22.520 (1.562)	58	160483	8.00000	8.652	50.00- 150.00	100.00
22.520	22.520 (1.562)	43	295623			136.25- 236.25	184.21
99 Isobutanol					CAS #: 78-83-1		
15.193	15.193 (0.938)	59	2322	8.00000	8.000	50.00- 150.00	100.00
15.165	15.165 (0.937)	41	71769			3040.83-3140.83	3090.83
15.165	15.165 (0.937)	43	91303			3882.08-3982.08	3932.08
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.096	24.096 (1.127)	57	292005	8.00000	8.337	50.00- 150.00	100.00
24.096	24.096 (1.127)	85	200252			19.83- 119.83	68.58
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 30-Apr-2007 13:35

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7043004.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30apr.b/t14q326d.m
Misc Info: 8.0/48ppbv (200/1200ppbv) sp5d

Calibration Date: 30-APR-2007
Calibration Time: 11:11
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	166464	99878	233050	167363	0.54
97 1,4-Difluorobenze	684992	410995	958989	690346	0.78
126 Chlorobenzene-d5	545068	327041	763095	524529	-3.77

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.42	14.09	14.75	14.42	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.39	0.13

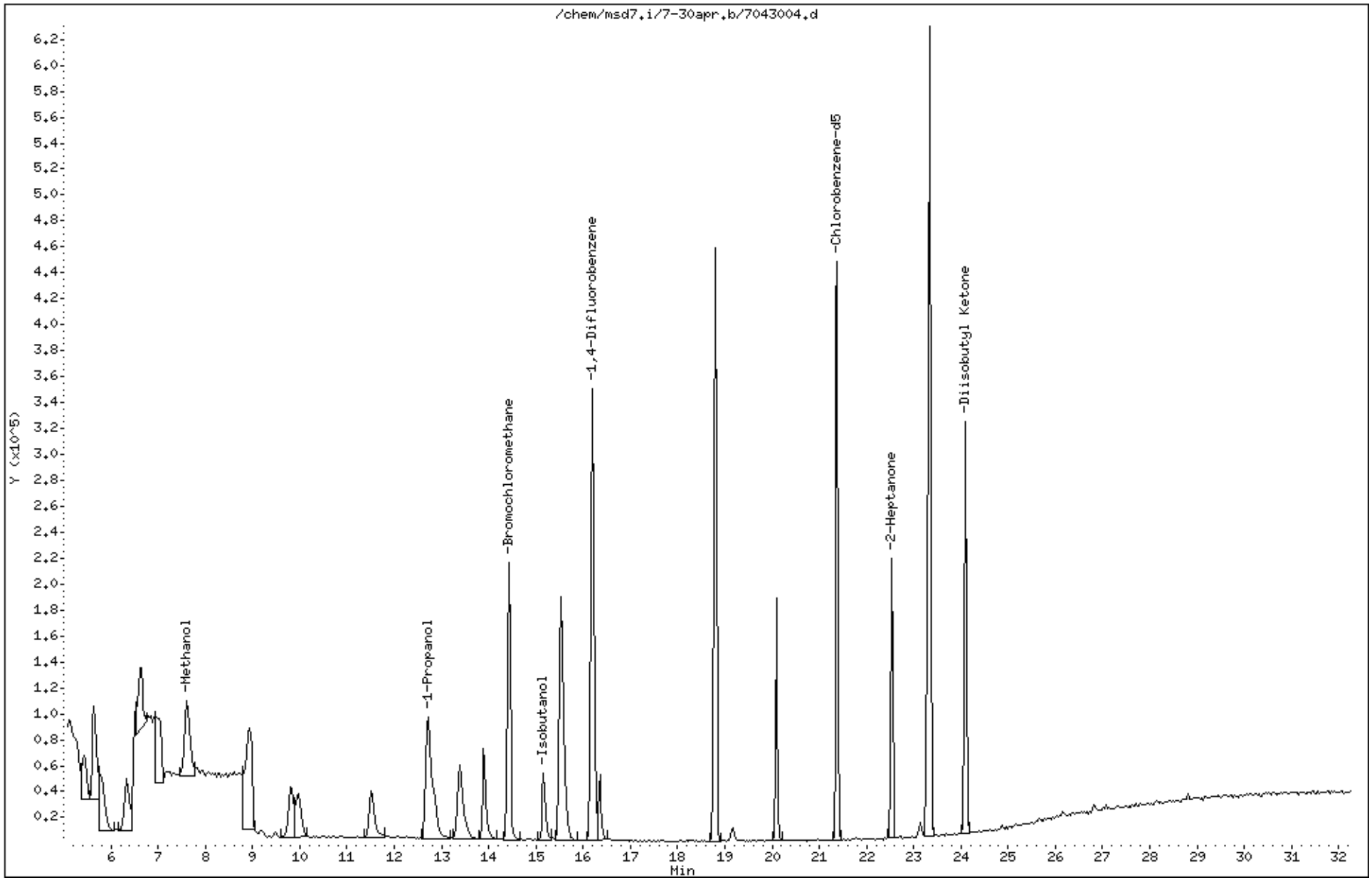
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.i/7-30apr.b/7043004.d
Date : 30-APR-2007 10:07
Client ID: Level 4
Sample Info: 8.0mL #1443-63

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

Column phase: RTx-624

0118



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

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(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

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.

0128

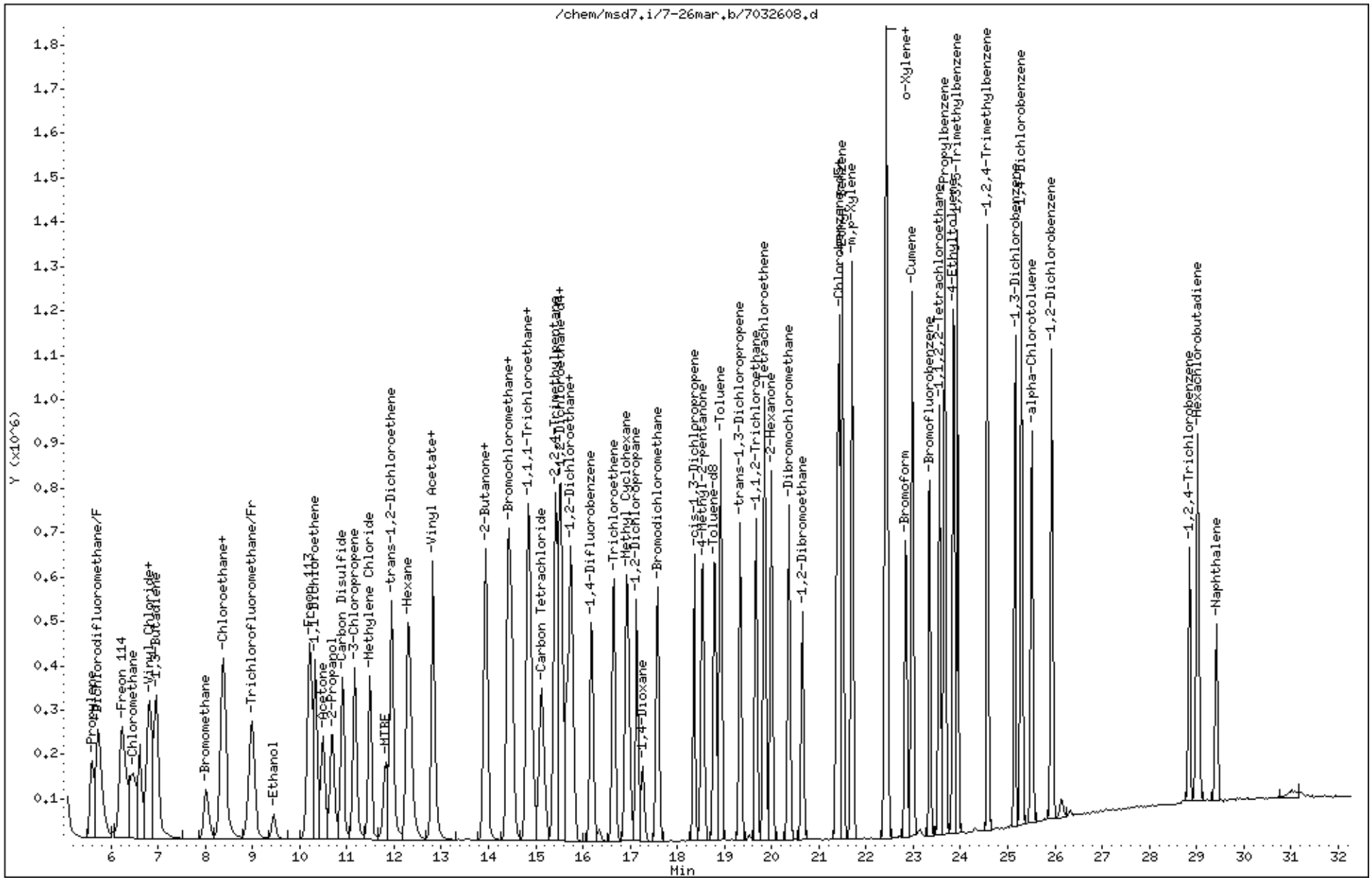
Data File: /chem/msd7.i/7-26mar.b/7032608.d
Date : 26-MAR-2007 13:51
Client ID: Level 4
Sample Info: 25mL #1487-164

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/7-30apr.b/7043005.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 30-APR-2007 11:11
Operator : ct Inst ID: msd7.i
Smp Info : 50mL #1443-63
Misc Info : 50/300ppbv (200/1200ppbv) sp5d
Comment :
Method : /chem/msd7.i/7-30apr.b/t14q326d.m
Meth Date : 30-Apr-2007 13:35 ctaylor Quant Type: ISTD
Cal Date : 30-APR-2007 11:11 Cal File: 7043005.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5d.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		
14.419	14.419 (1.000)	130	166464	25.0000		80.00- 120.00	100.00
14.419	14.419 (1.000)	128	125740			25.54- 125.54	75.54
14.391	14.391 (1.000)	49	305664			133.62- 233.62	183.62
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.188	16.188 (1.000)	114	684992	25.0000		80.00- 120.00	100.00
16.161	16.161 (1.000)	88	109338			0.00- 65.96	15.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.359	21.359 (1.000)	117	545068	25.0000		80.00- 120.00	100.00
21.359	21.359 (1.000)	82	332809			12.04- 112.04	61.06
26 Methanol					CAS #: 67-56-1		
7.591	7.591 (0.526)	31	1455655	300.000	284.45	80.00- 120.00	100.00
7.591	7.591 (0.526)	32	984443			17.63- 117.63	67.63
71 1-Propanol					CAS #: 71-23-8		
12.843	12.843 (0.891)	42	178850	50.0000	54.971	80.00- 120.00	100.00
12.843	12.843 (0.891)	59	196880			54.69- 154.69	110.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.705	12.705 (0.881)	41	530175			261.38- 361.38	296.44
96 2-Heptanone					CAS #: 110-43-0		
22.520	22.520 (1.562)	58	1172926	50.0000	58.301	80.00- 120.00	100.00
22.520	22.520 (1.562)	43	2145016			135.12- 235.12	182.88
99 Isobutanol					CAS #: 78-83-1		
15.138	15.138 (0.935)	59	16360	50.0000	53.186	80.00- 120.00	100.00
15.138	15.138 (0.935)	41	506638			3043.82-3143.82	3096.81
15.138	15.138 (0.935)	43	678959			3991.10-4091.10	4150.12
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.096	24.096 (1.128)	57	1913908	50.0000	51.696	80.00- 120.00	100.00
24.096	24.096 (1.128)	85	1365423			21.34- 121.34	71.34
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Report Date: 30-Apr-2007 13:36

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7043005.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30apr.b/t14q326d.m
Misc Info: 50/300ppbv (200/1200ppbv) sp5d

Calibration Date: 30-APR-2007
Calibration Time: 11:11
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	166464	99878	233050	166464	0.00
97 1,4-Difluorobenze	684992	410995	958989	684992	0.00
126 Chlorobenzene-d5	545068	327041	763095	545068	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.42	14.09	14.75	14.42	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.36	0.00

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

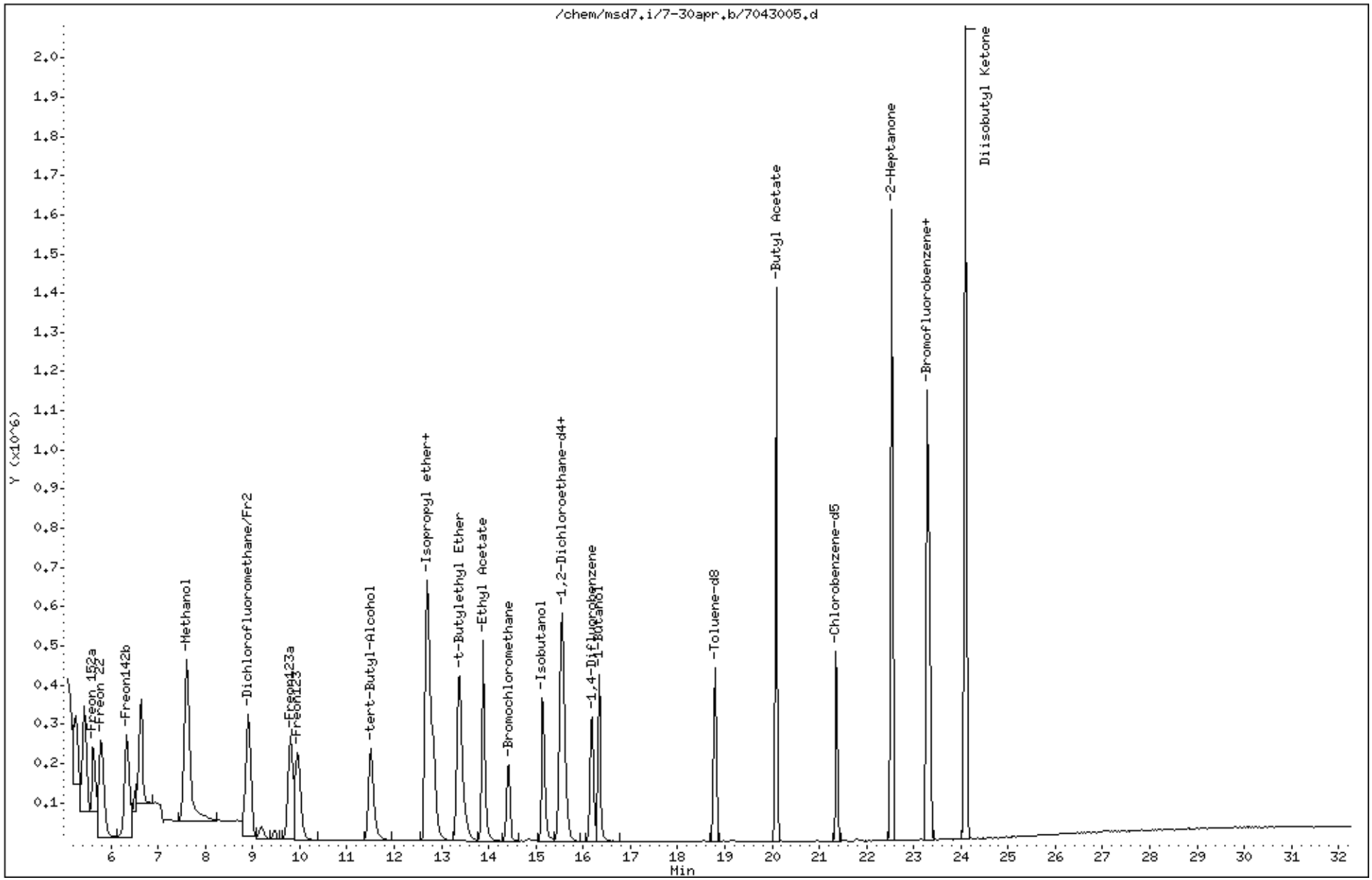
0132

Data File: /chem/msd7.i/7-30apr.b/7043005.d
Date : 30-APR-2007 11:11
Client ID: Level 5
Sample Info: 50mL #1443-63

Instrument: msd7.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042009.d
Lab Smp Id: ical level 5
Inj Date : 20-APR-2007 14:19
Operator : ea Inst ID: msd7.i
Smp Info : 50ml #1487-182
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 14:19 Cal File: 7042009.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5c.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.402	14.402 (1.000)	130	189546	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	143920			25.93- 125.93	75.93
14.402	14.402 (1.000)	49	390970			156.27- 256.27	206.27
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	768689	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	128894			0.00- 66.77	16.77
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	607288	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	389704			14.01- 114.01	64.17
37 Pentane					CAS #: 109-66-0		
9.121	9.121 (0.633)	43	1660686	50.0000	52.760	80.00- 120.00	100.00
9.121	9.121 (0.633)	57	215657			0.00- 63.00	12.99
9.121	9.121 (0.633)	72	118990			0.00- 57.48	7.17
44 Acrolein					CAS #: 107-02-8		
10.172	10.172 (0.706)	55	238633	50.0000	55.622	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
44 Acrolein (continued)							
10.172	10.172 (0.706)	56	341882			95.90- 195.90	143.27
62 Acrylonitrile					CAS #: 107-13-1		
12.024	12.024 (0.835)	53	768344	50.0000	52.698	80.00- 120.00	100.00
12.024	12.024 (0.835)	52	573892			24.90- 124.90	74.69
66 1-Hexene					CAS #: 592-41-6		
12.190	12.190 (0.846)	55	570219	50.0000	53.425	80.00- 120.00	100.00
12.190	12.190 (0.846)	41	1004761			132.91- 232.91	176.21
12.190	12.190 (0.846)	84	194968			0.00- 84.25	34.19
105 Dibromomethane					CAS #: 74-95-3		
17.361	17.361 (1.074)	174	627186	50.0000	53.392	80.00- 120.00	100.00
17.361	17.361 (1.074)	93	705909			60.94- 160.94	112.55
17.361	17.361 (1.074)	95	584515			40.36- 140.36	93.20

Report Date: 20-Apr-2007 15:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7042009.d
Lab Smp Id: ical level 5
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 20-APR-2007
Calibration Time: 14:19
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	189546	113728	265364	189546	0.00
97 1,4-Difluorobenze	768689	461213	1076165	768689	0.00
126 Chlorobenzene-d5	607288	364373	850203	607288	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.

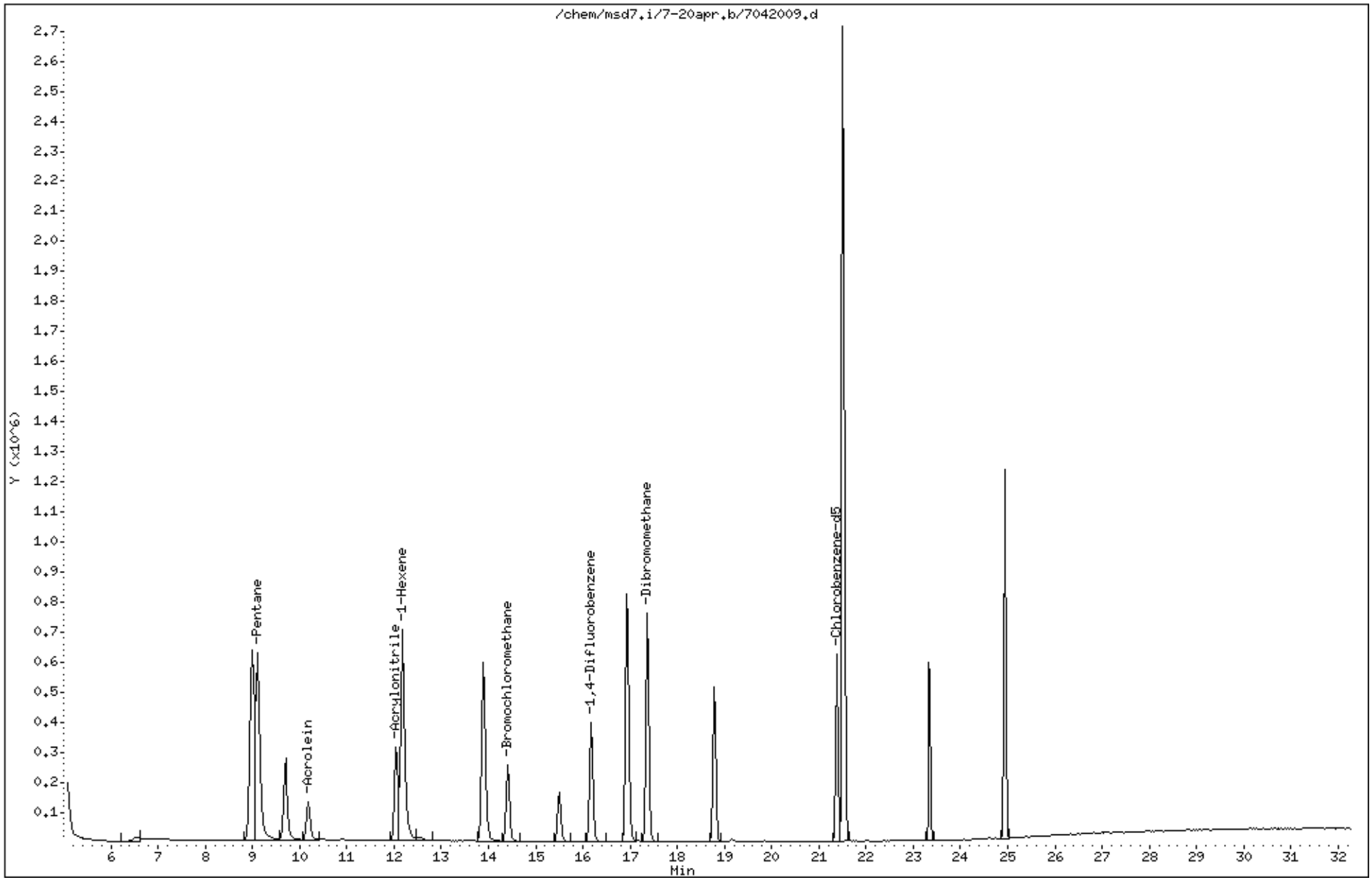
0136

Data File: /chem/msd7.i/7-20apr.b/7042009.d
Date : 20-APR-2007 14:19
Client ID:
Sample Info: 50ml #1487-182

Column phase: RTx-624

Instrument: msd7.i

Operator: ea
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042005.d
Lab Smp Id: ical level 5
Inj Date : 20-APR-2007 10:55
Operator : ea Inst ID: msd7.i
Smp Info : 50ml #1443-26
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 10:55 Cal File: 7042005.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.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	188945	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	144401			26.42- 126.42	76.42
14.402	14.402 (1.000)	49	392608			157.79- 257.79	207.79
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	779647	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	130668			0.00- 66.76	16.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	612982	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	390677			13.87- 113.87	63.73
15 Freon 152a					CAS #: 75-37-6		
5.638	5.638 (0.391)	65	408231	50.0000	49.264	80.00- 120.00	100.00
5.638	5.638 (0.391)	51	796181			138.77- 238.77	195.03
5.638	5.638 (0.391)	47	184599			0.00- 93.92	45.22
17 Freon 22					CAS #: 75-45-6		
5.803	5.803 (0.403)	51	1275734	50.0000	48.733	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Freon 22 (continued)							
5.803	5.803 (0.403)	67	144339			0.00- 60.55	11.31
5.803	5.803 (0.403)	85	16074			0.00- 56.50	1.26
6 Freon142b					CAS #: 75-68-3		
6.329	6.329 (0.439)	65	1092294	50.0000	50.306	80.00- 120.00	100.00
6.329	6.329 (0.439)	45	325519			0.00- 80.53	29.80
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.928	8.928 (0.620)	67	1106210	50.0000	51.909	80.00- 120.00	100.00
8.928	8.928 (0.620)	69	346880			0.00- 81.47	31.36
8.817	8.817 (0.612)	35	1106			0.00- 50.10	0.10
40 Freon123a					CAS #: 354-23-4		
9.813	9.813 (0.681)	67	752099	50.0000	51.705	80.00- 120.00	100.00
9.813	9.813 (0.681)	117	429807			7.42- 107.42	57.15
41 Freon123					CAS #: 306-83-2		
9.979	9.979 (0.693)	83	427092	50.0000	54.107	80.00- 120.00	100.00
9.979	9.979 (0.693)	133	59970			0.00- 66.53	14.04
9.979	9.979 (0.693)	85	264353			15.43- 115.43	61.90
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.527	11.527 (0.800)	59	1032080	50.0000	45.718	80.00- 120.00	100.00
11.499	11.499 (0.798)	41	243913			0.00- 84.00	23.63
11.499	11.499 (0.798)	57	101945			0.00- 58.63	9.88
68 Isopropyl ether					CAS #: 108-20-3		
12.716	12.716 (0.883)	45	3074165	50.0000	52.593	80.00- 120.00	100.00
12.716	12.716 (0.883)	87	539169			0.00- 67.08	17.54
12.716	12.716 (0.883)	59	223032			0.00- 57.40	7.26
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.379	13.379 (0.929)	59	1705823	50.0000	50.390	80.00- 120.00	100.00
13.379	13.379 (0.929)	87	557002			0.00- 82.70	32.65
13.379	13.379 (0.929)	41	343508			0.00- 73.82	20.14
77 Ethyl Acetate					CAS #: 141-78-6		
13.877	13.877 (0.964)	45	307759	50.0000	53.792	80.00- 120.00	100.00
13.877	13.877 (0.964)	61	265319			35.08- 135.08	86.21
13.877	13.877 (0.964)	43	2208375			660.42- 760.42	717.57
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.564	15.564 (1.081)	73	1414422	50.0000	50.077	80.00- 120.00	100.00
15.564	15.564 (1.081)	87	308145			0.00- 72.11	21.79
15.564	15.564 (1.081)	55	380454			0.00- 78.07	26.90

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
98 1-Butanol					CAS #: 71-36-3		
16.338	16.338 (1.010)	56	618100	50.0000	62.667	80.00- 120.00	100.00
16.338	16.338 (1.010)	41	516525			41.23- 141.23	83.57
16.338	16.338 (1.010)	43	390198			18.85- 118.85	63.13
119 Butyl Acetate					CAS #: 123-86-4		
20.098	20.098 (1.243)	56	912531	50.0000	57.911	80.00- 120.00	100.00
20.098	20.098 (1.243)	73	247368			0.00- 77.11	27.11
20.098	20.098 (1.243)	43	2559360			230.47- 330.47	280.47
135 Cyclohexanone					CAS #: 108-94-1		
23.306	23.306 (1.091)	55	984805	50.0000	56.040	80.00- 120.00	100.00
23.306	23.306 (1.091)	98	352993			0.00- 84.95	35.84
23.306	23.306 (1.091)	42	767078			28.44- 128.44	77.89

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7042005.d
Lab Smp Id: ical level 5
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 20-APR-2007
Calibration Time: 10:55
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	188945	113367	264523	188945	0.00
97 1,4-Difluorobenze	779647	467788	1091506	779647	0.00
126 Chlorobenzene-d5	612982	367789	858175	612982	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/7-20apr.b/7042005.d

Date : 20-APR-2007 10:55

Client ID:

Sample Info: 50ml #1443-26

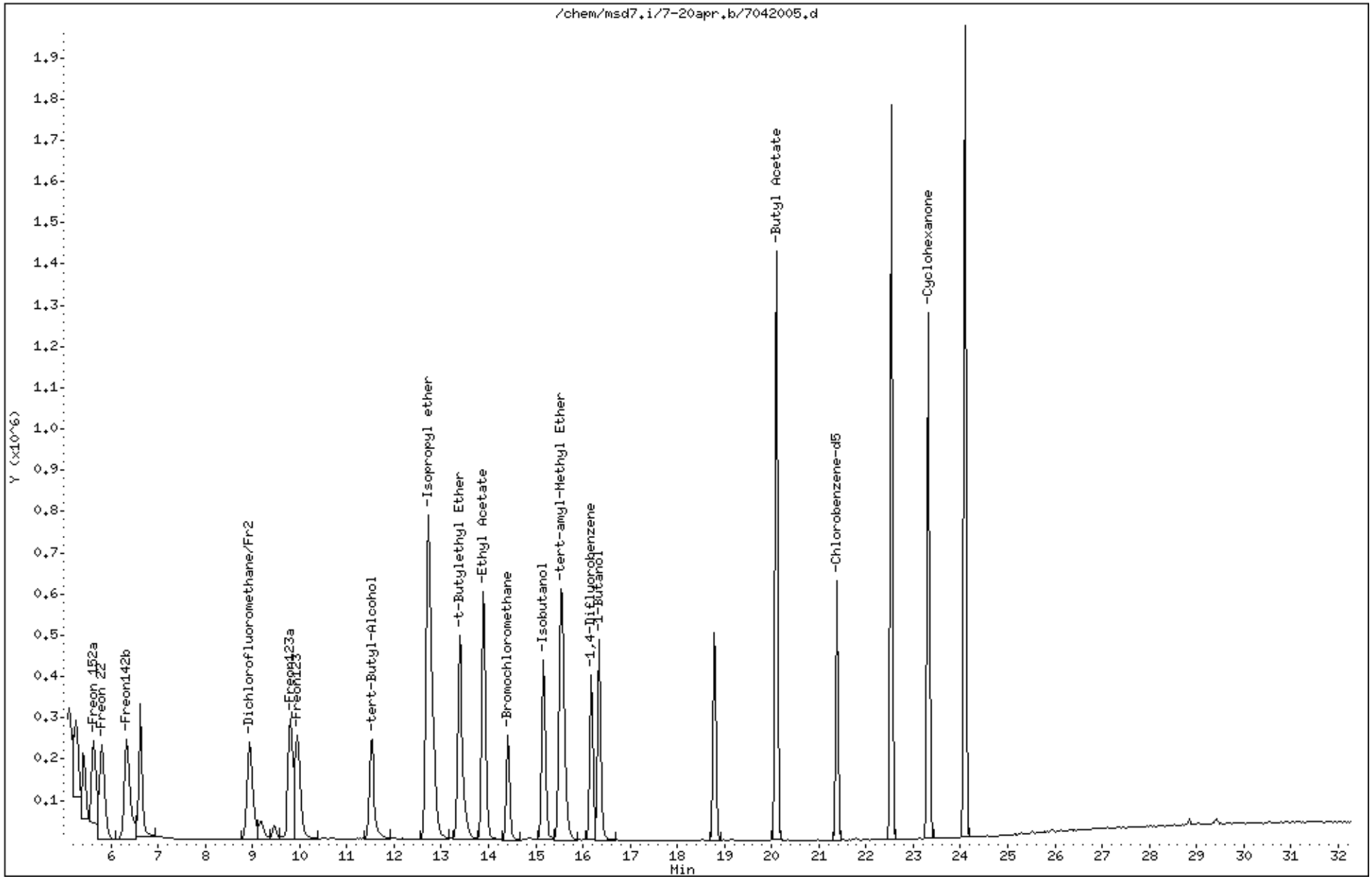
Column phase: RTx-624

Instrument: msd7.i

Operator: ea

Column diameter: 0.53

0141



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03apr.b/7040305.d
Lab Smp Id: Ical level 5
Inj Date : 03-APR-2007 11:07
Operator : EA Inst ID: msd7.i
Smp Info : 50ml #1487-170
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-03apr.b/t14q326b.m
Meth Date : 03-Apr-2007 11:50 ealcan Quant Type: ISTD
Cal Date : 03-APR-2007 11:07 Cal File: 7040305.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp14b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
136 Bromobenzene					CAS #: 108-86-1		
23.638	23.638 (1.106)	156	914289	50.0000	49.816	80.00- 120.00	100.00
23.638	23.638 (1.106)	158	879926			46.24- 146.24	96.24
23.638	23.638 (1.106)	77	2083018			172.74- 272.74	227.83
158 Butylbenzene					CAS #: 104-51-8		
25.711	25.711 (1.203)	134	582566	50.0000	48.365	80.00- 120.00	100.00
25.711	25.711 (1.203)	91	2522258			382.96- 482.96	432.96
25.711	25.711 (1.203)	92	1418474			192.77- 292.77	243.49
149 sec-Butylbenzene					CAS #: 135-98-8		
24.826	24.826 (1.162)	105	2840206	50.0000	48.901	80.00- 120.00	100.00
24.854	24.854 (1.163)	134	491654			0.00- 67.31	17.31
24.826	24.826 (1.162)	91	439893			0.00- 65.66	15.49
148 tert-Butylbenzene					CAS #: 98-06-6		
24.467	24.467 (1.145)	119	2161195	50.0000	49.090	80.00- 120.00	100.00
24.495	24.495 (1.146)	134	485917			0.00- 72.48	22.48
24.467	24.467 (1.145)	91	1546700			21.24- 121.24	71.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
141 2-Chlorotoluene					CAS #: 95-49-8		
23.914	23.914 (1.119)	126	707208	50.0000	51.660	80.00- 120.00	100.00
23.914	23.914 (1.119)	91	2212264			262.82- 362.82	312.82
23.914	23.914 (1.119)	65	222183			0.00- 83.10	31.42
143 4-Chlorotoluene					CAS #: 106-43-4		
24.080	24.080 (1.127)	126	666026	50.0000	50.927	80.00- 120.00	100.00
24.080	24.080 (1.127)	91	2134339			270.46- 370.46	320.46
24.080	24.080 (1.127)	63	287327			0.00- 92.21	43.14
162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
27.315	27.315 (1.278)	157	590137	50.0000	47.151	80.00- 120.00	100.00
27.315	27.315 (1.278)	75	582496			48.71- 148.71	98.71
27.315	27.315 (1.278)	155	459370			27.93- 127.93	77.84
118 1,3-Dichloropropane					CAS #: 142-28-9		
19.988	19.988 (1.236)	76	1252848	50.0000	52.638	80.00- 120.00	100.00
19.988	19.988 (1.236)	41	1108507			38.48- 138.48	88.48
19.988	19.988 (1.236)	78	398966			0.00- 84.49	31.84
78 2,2-Dichloropropane					CAS #: 594-20-7		
13.905	13.905 (0.964)	77	1036661	50.0000	59.532	80.00- 120.00	100.00
13.905	13.905 (0.964)	79	332561			0.00- 82.08	32.08
13.905	13.905 (0.964)	97	199927			0.00- 68.35	19.29
153 p-Cymene					CAS #: 99-87-6		
25.048	25.048 (1.172)	119	2498795	50.0000	48.940	80.00- 120.00	100.00
25.048	25.048 (1.172)	134	619011			0.00- 74.71	24.77
25.048	25.048 (1.172)	91	614138			0.00- 74.51	24.58
125 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
21.536	21.536 (1.008)	131	829913	50.0000	52.312	80.00- 120.00	100.00
21.536	21.536 (1.008)	117	584860			22.06- 122.06	70.47
21.536	21.536 (1.008)	95	323587			0.00- 91.06	38.99
138 1,2,3-Trichloropropane					CAS #: 96-18-4		
23.693	23.693 (1.109)	110	422629	50.0000	50.198	80.00- 120.00	100.00
23.693	23.693 (1.109)	75	1495939			303.96- 403.96	353.96
23.693	23.693 (1.109)	61	413477			47.68- 147.68	97.83
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
25.297	25.297 (1.184)	120	852876	50.0000	48.757	80.00- 120.00	100.00
25.297	25.297 (1.184)	105	1958466			179.63- 279.63	229.63
25.297	25.297 (1.184)	77	253614			0.00- 80.01	29.74
88 1,1-Dichloropropene					CAS #: 563-58-6		
15.149	15.149 (0.937)	110	368900	50.0000	52.486	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 1,1-Dichloropropene (continued)							
15.149	15.149 (0.937)	75	1120871			259.60- 359.60	303.84
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.430 (1.000)	130	243934	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	187334			26.80- 126.80	76.80
14.403	14.403 (1.000)	49	511940			159.87- 259.87	209.87
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	977960	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	162648			0.00- 66.63	16.63
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	753533	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	490070			14.09- 114.09	65.04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7040305.d
Lab Smp Id: Ical level 5
Analysis Type: VOA
Quant Type: ISTD
Operator: EA
Method File: /chem/msd7.i/7-03apr.b/t14q326b.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 03-APR-2007
Calibration Time: 11:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	243934	146360	341508	243934	0.00
97 1,4-Difluorobenze	977960	586776	1369144	977960	0.00
126 Chlorobenzene-d5	753533	452120	1054946	753533	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	16.17	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.

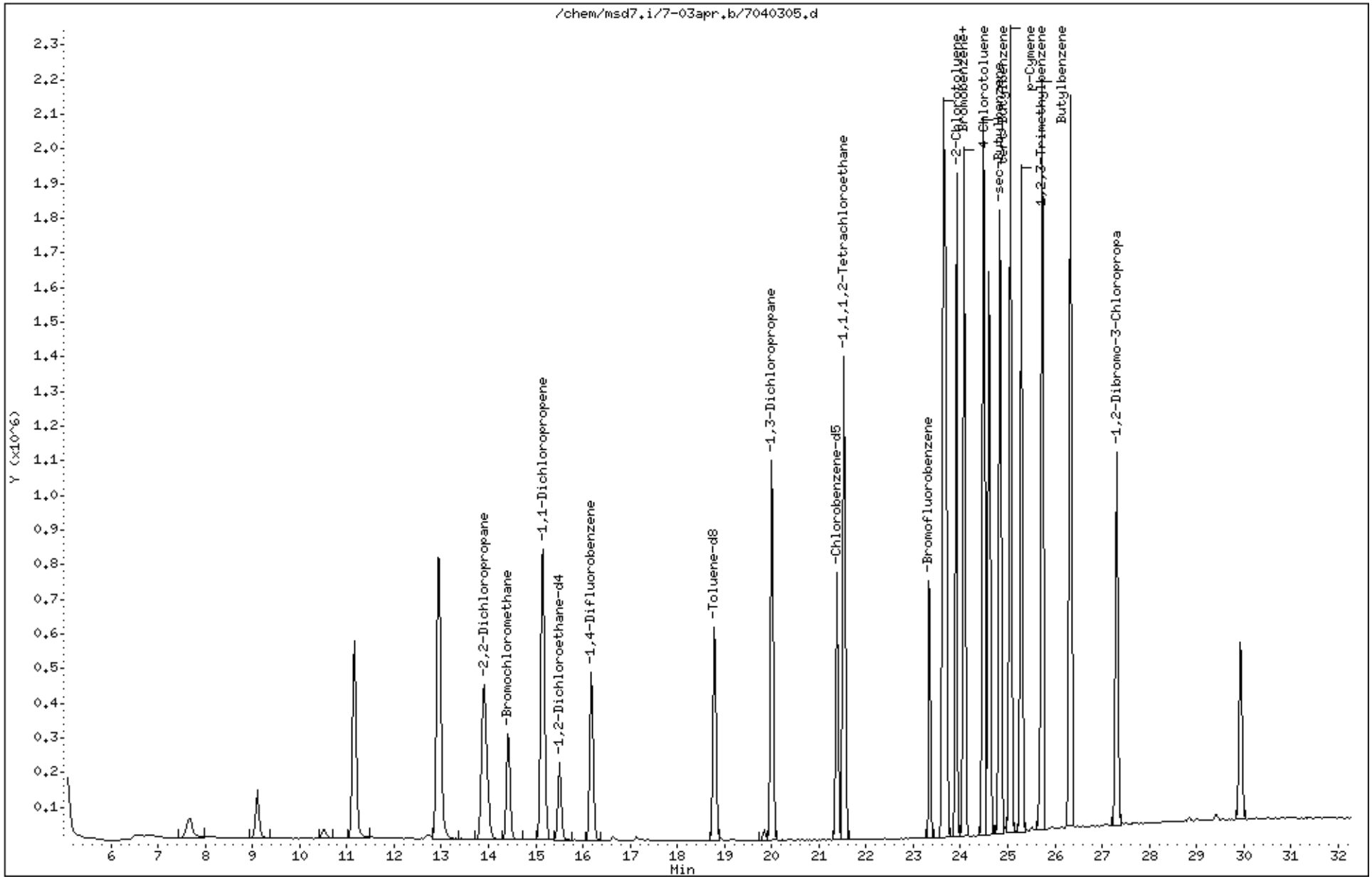
0146

Data File: /chem/msd7.i/7-03apr.b/7040305.d
Date : 03-APR-2007 11:07
Client ID:
Sample Info: 50ml #1487-170

Instrument: msd7.i

Operator: EA

Column phase: RTx-624
Column diameter: 0.53



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

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	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.

0156

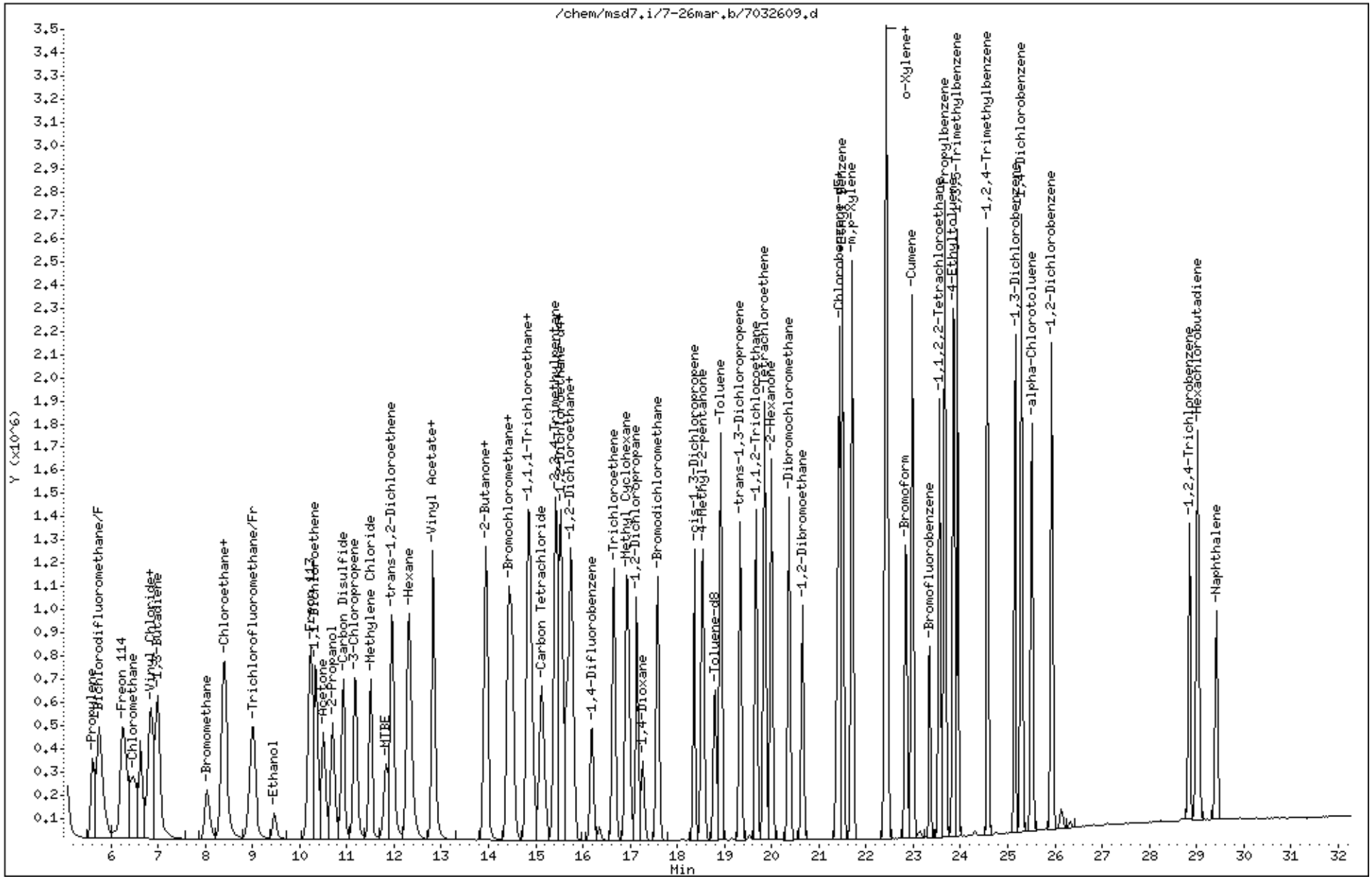
Data File: /chem/msd7.i/7-26mar.b/7032609.d
Date : 26-MAR-2007 14:33
Client ID: Level 5
Sample Info: 50mL #1487-164

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

				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	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)	AMOUNTS 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

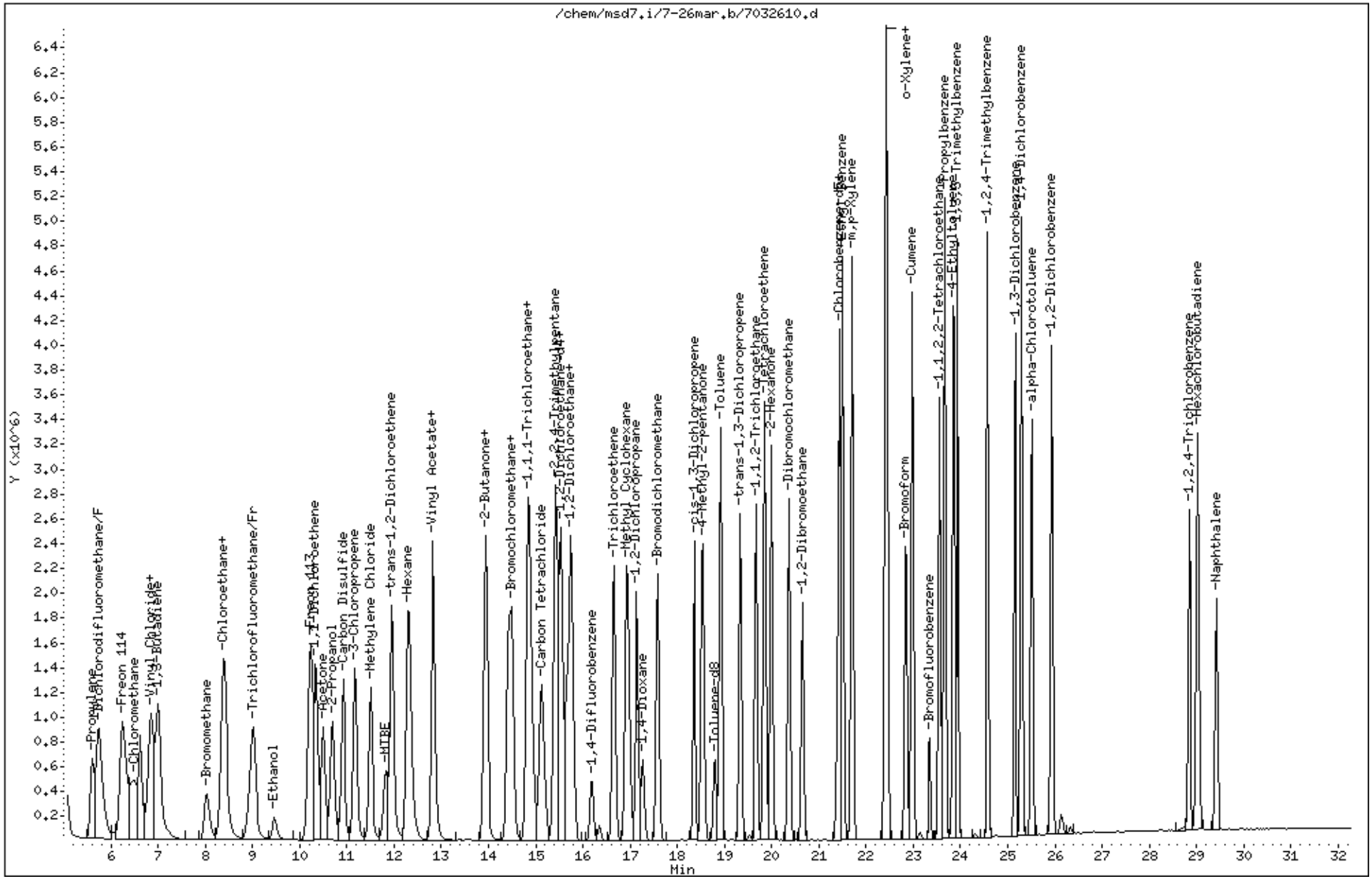
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

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



0166

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30apr.b/7043006.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 30-APR-2007 11:49
Operator : ct Inst ID: msd7.i
Smp Info : 200mL #1443-63
Misc Info : 200/1200ppbv (200/1200ppbv) sp5d
Comment :
Method : /chem/msd7.i/7-30apr.b/t14q326d.m
Meth Date : 30-Apr-2007 13:36 ctaylor Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5d.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		
14.419	14.419 (1.000)	130	171022	25.0000		50.00- 150.00	100.00
14.419	14.419 (1.000)	128	130425			26.60- 126.60	76.26
14.419	14.419 (1.000)	49	312505			166.91- 266.91	182.73
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.188	16.188 (1.000)	114	700000	25.0000		50.00- 150.00	100.00
16.188	16.188 (1.000)	88	113434			0.00- 66.34	16.20
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.387	21.387 (1.000)	117	560074	25.0000		50.00- 150.00	100.00
21.387	21.387 (1.000)	82	337199			12.04- 112.04	60.21
26 Methanol					CAS #: 67-56-1		
7.619	7.619 (0.528)	31	4927681	1200.00	991.54	50.00- 150.00	100.00
7.619	7.619 (0.528)	32	3383764			18.23- 118.23	68.67
71 1-Propanol					CAS #: 71-23-8		
12.843	12.843 (0.891)	42	718593	200.000	211.03	50.00- 150.00	100.00(A)
12.843	12.843 (0.891)	59	878888			54.69- 154.69	122.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.732	12.732 (0.883)	41	2069886			261.38- 361.38	288.05
96 2-Heptanone					CAS #: 110-43-0		
22.520	22.520 (1.562)	58	4912322	200.000	226.98	50.00- 150.00	100.00(A)
22.520	22.520 (1.562)	43	8985782			135.12- 235.12	182.92
99 Isobutanol					CAS #: 78-83-1		
15.165	15.165 (0.937)	59	72491	200.000	219.42	50.00- 150.00	100.00(A)
15.165	15.165 (0.937)	41	2092679			3043.82-3143.82	2886.81
15.165	15.165 (0.937)	43	2829615			3991.10-4091.10	3903.40
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.096	24.096 (1.127)	57	7424963	200.000	196.36	50.00- 150.00	100.00
24.096	24.096 (1.127)	85	5271048			20.33- 120.33	70.99
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 30-Apr-2007 13:36

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7043006.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30apr.b/t14q326d.m
Misc Info: 200/1200ppbv (200/1200ppbv) sp5d

Calibration Date: 30-APR-2007
Calibration Time: 11:11
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	166464	99878	233050	171022	2.74
97 1,4-Difluorobenze	684992	410995	958989	700000	2.19
126 Chlorobenzene-d5	545068	327041	763095	560074	2.75

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.42	14.09	14.75	14.42	0.00
97 1,4-Difluorobenze	16.19	15.86	16.52	16.19	0.00
126 Chlorobenzene-d5	21.36	21.03	21.69	21.39	0.13

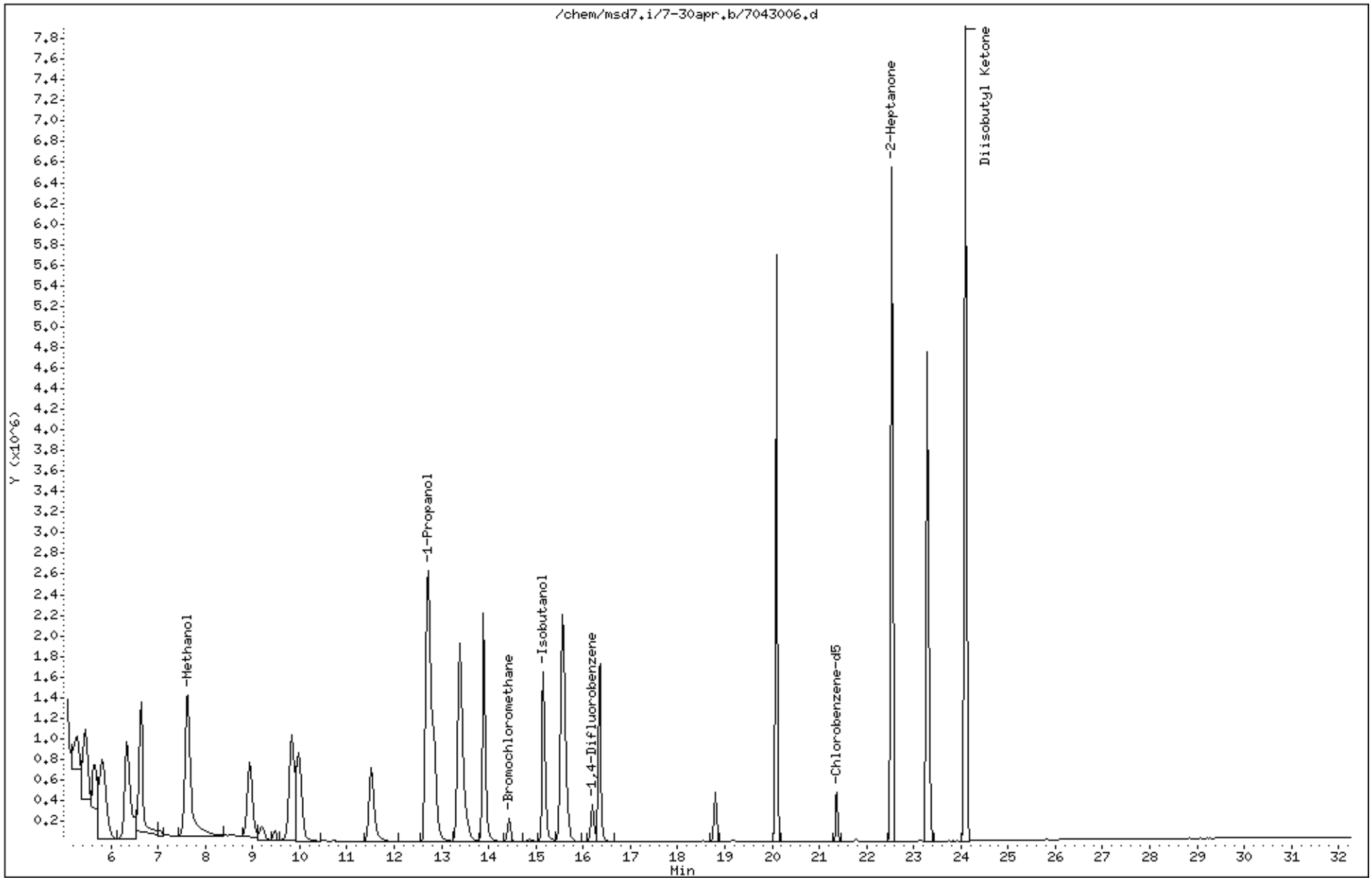
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0170

Data File: /chem/msd7.i/7-30apr.b/7043006.d
Date : 30-APR-2007 11:49
Client ID: Level 7
Sample Info: 200mL #1443-63

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042010.d
Lab Smp Id: ical level7
Inj Date : 20-APR-2007 15:08
Operator : ea Inst ID: msd7.i
Smp Info : 200ml #1487-182
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 15:39 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 15:08 Cal File: 7042010.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5c.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	193328	25.0000		50.00- 150.00	100.00
14.402	14.402 (1.000)	128	145530			27.14- 127.14	75.28
14.402	14.402 (1.000)	49	397822			184.95- 284.95	205.78
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	786056	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	133466			0.00- 66.68	16.98
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	618883	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	393518			14.01- 114.01	63.59
37 Pentane					CAS #: 109-66-0		
9.094	9.094 (0.631)	43	6289901	200.000	197.26	50.00- 150.00	100.00
9.094	9.094 (0.631)	57	833886			0.00- 63.00	13.26
9.094	9.094 (0.631)	72	457812			0.00- 57.48	7.28
44 Acrolein					CAS #: 107-02-8		
10.172	10.172 (0.706)	55	931497	200.000	208.40	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
44 Acrolein (continued)							
10.172	10.172 (0.706)	56	1346670			95.90- 195.90	144.57
62 Acrylonitrile					CAS #: 107-13-1		
12.025	12.025 (0.835)	53	2646881	200.000	184.77	50.00- 150.00	100.00
12.025	12.025 (0.835)	52	2252023			24.90- 124.90	85.08
66 1-Hexene					CAS #: 592-41-6		
12.163	12.163 (0.844)	55	2166585	200.000	199.35	50.00- 150.00	100.00
12.163	12.163 (0.844)	41	3834425			132.91- 232.91	176.98
12.163	12.163 (0.844)	84	765539			0.00- 84.25	35.33
105 Dibromomethane					CAS #: 74-95-3		
17.361	17.361 (1.074)	174	2363267	200.000	197.81	50.00- 150.00	100.00
17.361	17.361 (1.074)	93	2683643			60.94- 160.94	113.56
17.361	17.361 (1.074)	95	2228949			40.36- 140.36	94.32

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: 7042010.d
Lab Smp Id: ical level7
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 20-APR-2007
Calibration Time: 14:19
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	189546	113728	265364	193328	2.00
97 1,4-Difluorobenze	768689	461213	1076165	786056	2.26
126 Chlorobenzene-d5	607288	364373	850203	618883	1.91

		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.

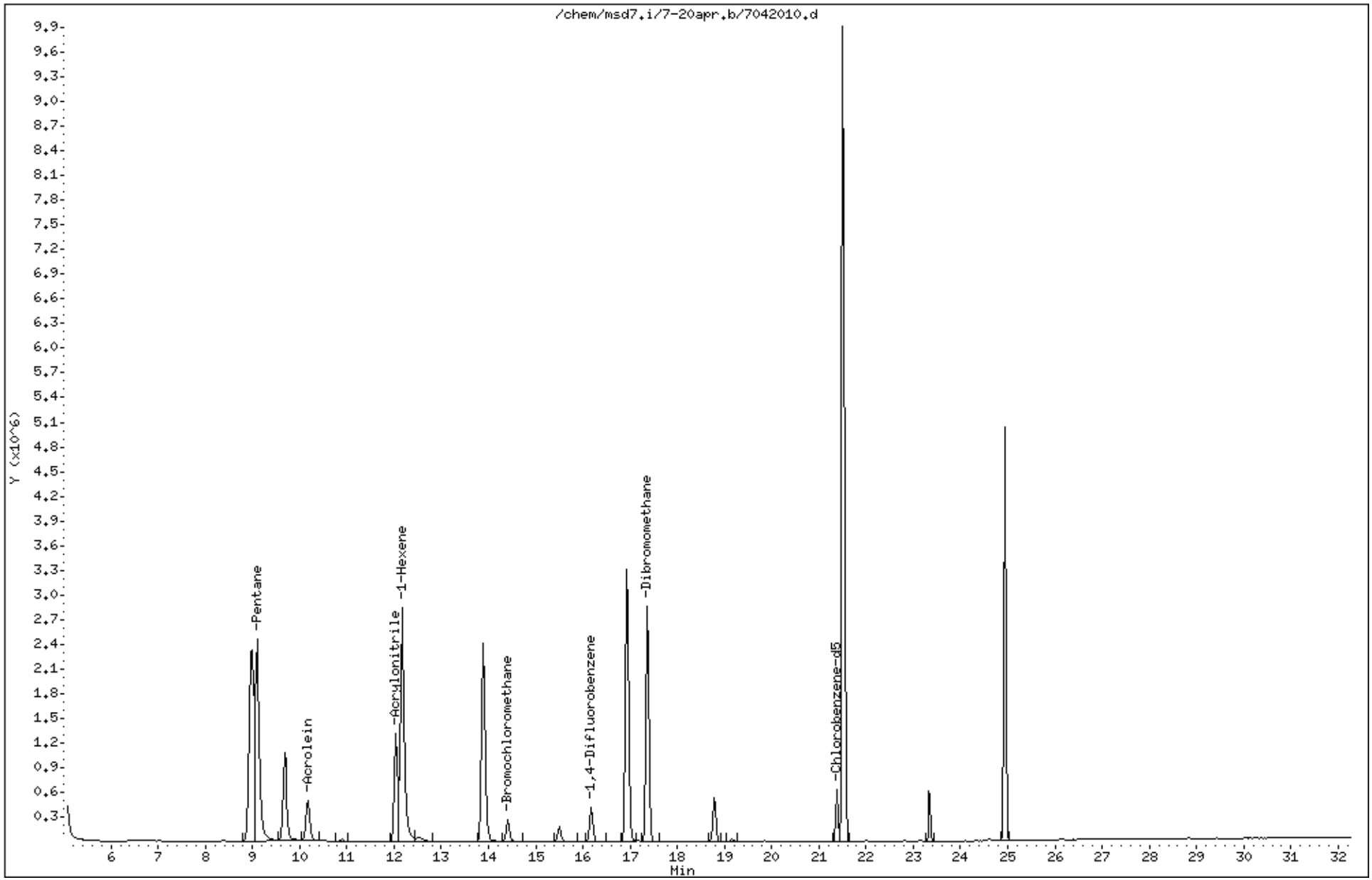
0174

Data File: /chem/msd7.i/7-20apr.b/7042010.d
Date : 20-APR-2007 15:08
Client ID:
Sample Info: 200ml #1487-182

Instrument: msd7.i

Operator: ea

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-20apr.b/7042006.d
Lab Smp Id: ical level 7
Inj Date : 20-APR-2007 11:43
Operator : ea Inst ID: msd7.i
Smp Info : 200ml #1443-26
Misc Info : 200ppbv
Comment :
Method : /chem/msd7.i/7-20apr.b/t14q326c.m
Meth Date : 20-Apr-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 20-APR-2007 11:43 Cal File: 7042006.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp15c.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	189779	25.0000		50.00- 150.00	100.00
14.402	14.402 (1.000)	128	148146			26.89- 126.89	78.06
14.402	14.402 (1.000)	49	402318			185.74- 285.74	211.99
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	800399	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	135614			0.00- 66.73	16.94
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	627632	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	397441			13.87- 113.87	63.32
15 Freon 152a					CAS #: 75-37-6		
5.637	5.637 (0.391)	65	1611923	200.000	195.73	50.00- 150.00	100.00
5.637	5.637 (0.391)	51	2849710			134.78- 234.78	176.79
5.637	5.637 (0.391)	47	728702			0.00- 94.35	45.21
17 Freon 22					CAS #: 75-45-6		
5.803	5.803 (0.403)	51	5356288	200.000	202.46	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Freon 22 (continued)							
5.803	5.803 (0.403)	67	564806			0.00- 60.55	10.54
5.803	5.803 (0.403)	85	64392			0.00- 56.50	1.20
6 Freon142b					CAS #: 75-68-3		
6.329	6.329 (0.439)	65	4258222	200.000	196.81	50.00- 150.00	100.00
6.301	6.301 (0.438)	45	1258786			0.00- 80.53	29.56
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.928	8.928 (0.620)	67	4374338	200.000	202.89	50.00- 150.00	100.00
8.928	8.928 (0.620)	69	1394758			0.00- 81.47	31.89
9.121	9.121 (0.633)	35	4965			0.00- 50.10	0.11
40 Freon123a					CAS #: 354-23-4		
9.812	9.812 (0.681)	67	2964935	200.000	201.95	50.00- 150.00	100.00
9.812	9.812 (0.681)	117	1701031			7.42- 107.42	57.37
41 Freon123					CAS #: 306-83-2		
9.978	9.978 (0.693)	83	1689369	200.000	208.53	50.00- 150.00	100.00(A)
9.978	9.978 (0.693)	133	252198			0.00- 66.53	14.93
9.978	9.978 (0.693)	85	1052259			15.43- 115.43	62.29
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.499	11.499 (0.798)	59	2561617	200.000	132.14	50.00- 150.00	100.00
11.499	11.499 (0.798)	41	594058			0.00- 84.00	23.19
11.499	11.499 (0.798)	57	253739			0.00- 58.63	9.91
68 Isopropyl ether					CAS #: 108-20-3		
12.716	12.716 (0.883)	45	11994544	200.000	202.85	50.00- 150.00	100.00
12.716	12.716 (0.883)	87	2119738			0.00- 67.08	17.67
12.716	12.716 (0.883)	59	933768			0.00- 57.40	7.78
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.379	13.379 (0.929)	59	6847899	200.000	200.93	50.00- 150.00	100.00
13.379	13.379 (0.929)	87	2264806			0.00- 82.70	33.07
13.379	13.379 (0.929)	41	1377378			0.00- 73.82	20.11
77 Ethyl Acetate					CAS #: 141-78-6		
13.877	13.877 (0.964)	45	1242376	200.000	210.51	50.00- 150.00	100.00(A)
13.877	13.877 (0.964)	61	1060872			35.08- 135.08	85.39
13.877	13.877 (0.964)	43	8701562			660.42- 760.42	700.40
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.564	15.564 (1.081)	73	5514396	200.000	196.22	50.00- 150.00	100.00
15.564	15.564 (1.081)	87	1210333			0.00- 72.11	21.95
15.564	15.564 (1.081)	55	1451510			0.00- 78.07	26.32

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
98 1-Butanol					CAS #: 71-36-3		
16.338	16.338 (1.010)	56	2601720	200.000	234.67	50.00- 150.00	100.00(A)
16.338	16.338 (1.010)	41	2146188			41.23- 141.23	82.49
16.338	16.338 (1.010)	43	1640591			18.85- 118.85	63.06
119 Butyl Acetate					CAS #: 123-86-4		
20.098	20.098 (1.243)	56	3611105	200.000	214.91	50.00- 150.00	100.00(A)
20.098	20.098 (1.243)	73	996876			0.00- 78.97	27.61
20.098	20.098 (1.243)	43	10098671			229.11- 329.11	279.66
135 Cyclohexanone					CAS #: 108-94-1		
23.305	23.305 (1.091)	55	4102237	200.000	217.83	50.00- 150.00	100.00(A)
23.305	23.305 (1.091)	98	1457093			0.00- 85.14	35.52
23.305	23.305 (1.091)	42	3181456			28.15- 128.15	77.55

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7042006.d
Lab Smp Id: ical level 7
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-20apr.b/t14q326c.m
Misc Info: 200ppbv

Calibration Date: 20-APR-2007
Calibration Time: 10:55
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	188945	113367	264523	189779	0.44
97 1,4-Difluorobenze	779647	467788	1091506	800399	2.66
126 Chlorobenzene-d5	612982	367789	858175	627632	2.39

		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.

0179

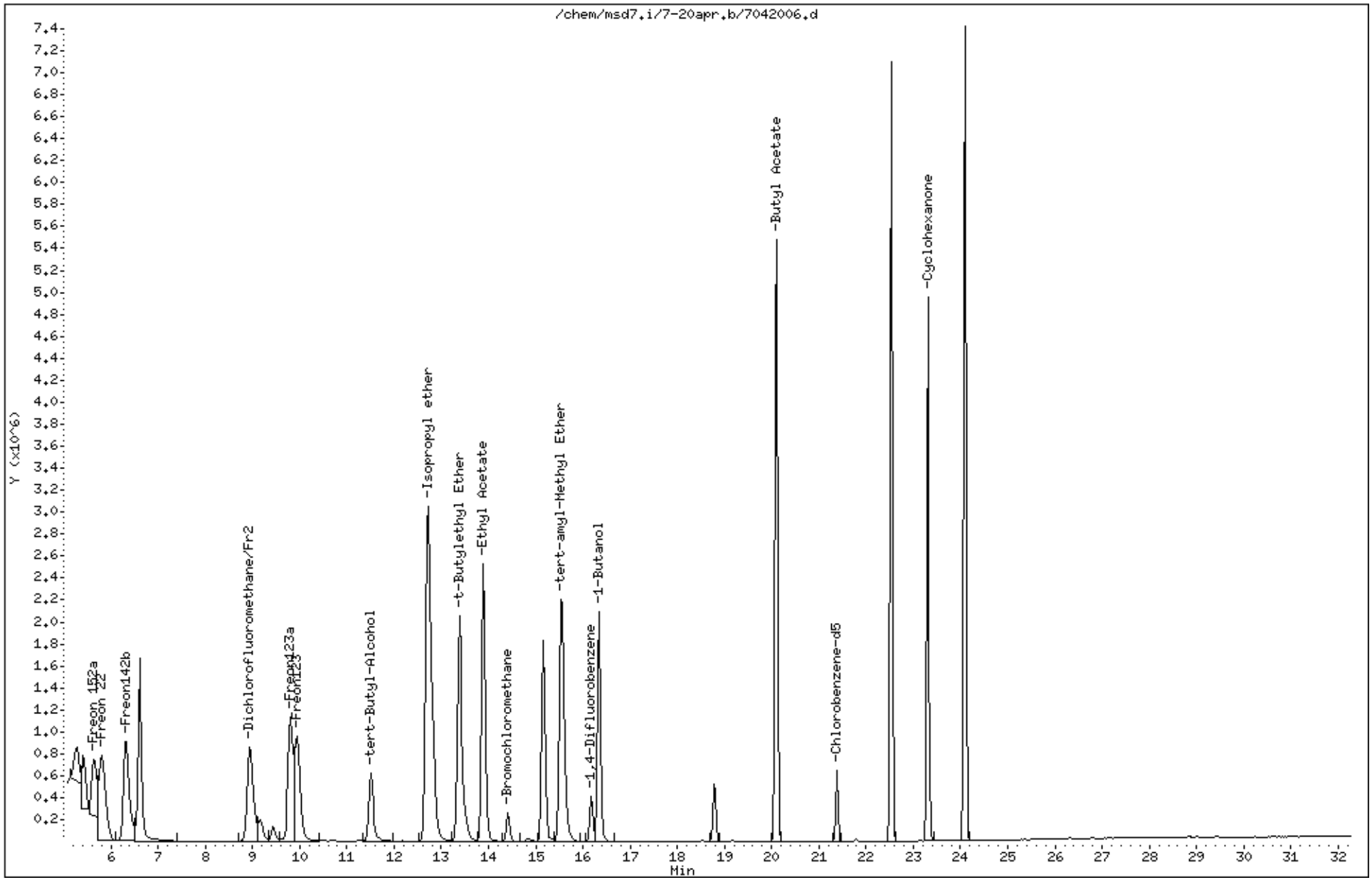
Data File: /chem/msd7.i/7-20apr.b/7042006.d
Date : 20-APR-2007 11:43
Client ID:
Sample Info: 200ml #1443-26

Instrument: msd7.i

Operator: ea

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03apr.b/7040306.d
Lab Smp Id: Ical level 7
Inj Date : 03-APR-2007 11:52
Operator : EA Inst ID: msd7.i
Smp Info : 200ml #1487-170
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd7.i/7-03apr.b/t14q326b.m
Meth Date : 03-Apr-2007 12:13 ealcan Quant Type: ISTD
Cal Date : 03-APR-2007 11:52 Cal File: 7040306.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp14b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
136 Bromobenzene					CAS #: 108-86-1		
23.637	23.637 (1.106)	156	3454051	200.000	187.62	50.00- 150.00	100.00
23.637	23.637 (1.106)	158	3342782			43.60- 143.60	96.78
23.637	23.637 (1.106)	77	8067232			172.74- 272.74	233.56
158 Butylbenzene					CAS #: 104-51-8		
25.711	25.711 (1.203)	134	2361194	200.000	192.92	50.00- 150.00	100.00
25.711	25.711 (1.203)	91	10263256			376.90- 476.90	434.66
25.711	25.711 (1.203)	92	5825099			192.77- 292.77	246.70
149 sec-Butylbenzene					CAS #: 135-98-8		
24.826	24.826 (1.162)	105	10766704	200.000	185.68	50.00- 150.00	100.00
24.854	24.854 (1.163)	134	1889575			0.00- 67.65	17.55
24.826	24.826 (1.162)	91	1709901			0.00- 65.66	15.88
148 tert-Butylbenzene					CAS #: 98-06-6		
24.495	24.495 (1.146)	119	8003553	200.000	183.19	50.00- 150.00	100.00
24.495	24.495 (1.146)	134	1803444			0.00- 72.16	22.53
24.467	24.467 (1.145)	91	5771668			21.24- 121.24	72.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
141 2-Chlorotoluene					CAS #: 95-49-8		
23.914	23.914 (1.119)	126	2731070	200.000	195.23	50.00- 150.00	100.00
23.914	23.914 (1.119)	91	8674205			265.64- 365.64	317.61
23.914	23.914 (1.119)	65	889525			0.00- 83.10	32.57
143 4-Chlorotoluene					CAS #: 106-43-4		
24.080	24.080 (1.127)	126	2644500	200.000	197.01	50.00- 150.00	100.00
24.080	24.080 (1.127)	91	8440389			266.44- 366.44	319.17
24.080	24.080 (1.127)	63	1155304			0.00- 92.21	43.69
162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
27.315	27.315 (1.278)	157	2462797	200.000	193.42	50.00- 150.00	100.00
27.315	27.315 (1.278)	75	2488372			49.83- 149.83	101.04
27.315	27.315 (1.278)	155	1917125			27.93- 127.93	77.84
118 1,3-Dichloropropane					CAS #: 142-28-9		
19.988	19.988 (1.236)	76	4953734	200.000	198.82	50.00- 150.00	100.00
19.988	19.988 (1.236)	41	4339043			39.92- 139.92	87.59
19.988	19.988 (1.236)	78	1588711			0.00- 84.49	32.07
78 2,2-Dichloropropane					CAS #: 594-20-7		
13.877	13.877 (0.964)	77	4289780	200.000	223.63	50.00- 150.00	100.00(A)
13.877	13.877 (0.964)	79	1416350			0.00- 85.51	33.02
13.877	13.877 (0.964)	97	848462			0.00- 68.35	19.78
153 p-Cymene					CAS #: 99-87-6		
25.048	25.048 (1.172)	119	9581226	200.000	187.25	50.00- 150.00	100.00
25.048	25.048 (1.172)	134	2408011			0.00- 74.71	25.13
25.048	25.048 (1.172)	91	2427501			0.00- 74.51	25.34
125 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
21.536	21.536 (1.008)	131	3172130	200.000	195.52	50.00- 150.00	100.00
21.536	21.536 (1.008)	117	2265641			22.06- 122.06	71.42
21.536	21.536 (1.008)	95	1262213			0.00- 91.06	39.79
138 1,2,3-Trichloropropane					CAS #: 96-18-4		
23.693	23.693 (1.109)	110	1651341	200.000	193.00	50.00- 150.00	100.00
23.693	23.693 (1.109)	75	5795807			297.62- 397.62	350.98
23.693	23.693 (1.109)	61	1614528			47.68- 147.68	97.77
154 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
25.296	25.296 (1.184)	120	3336540	200.000	189.36	50.00- 150.00	100.00
25.296	25.296 (1.184)	105	7716490			178.37- 278.37	231.27
25.296	25.296 (1.184)	77	1026464			0.00- 80.01	30.76
88 1,1-Dichloropropene					CAS #: 563-58-6		
15.121	15.121 (0.935)	110	1476412	200.000	200.05	50.00- 150.00	100.00

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)		
RT	EXP RT (REL RT)	MASS	RESPONSE			TARGET RANGE	RATIO
88 1,1-Dichloropropene (continued)							
15.121	15.121 (0.935)	75	4465890			257.23- 357.23	302.48
* 81 Bromochloromethane					CAS #: 74-97-5		
14.403	14.403 (1.000)	130	252846	25.0000		50.00- 150.00	100.00
14.403	14.403 (1.000)	128	196762			27.07- 127.07	77.82
14.403	14.403 (1.000)	49	522696			185.91- 285.91	206.73
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1026769	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	169370			0.00- 66.58	16.50
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	779217	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	491537			14.09- 114.09	63.08

QC Flag Legend

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

Report Date: 03-Apr-2007 12:13

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7040306.d
Lab Smp Id: Ical level 7
Analysis Type: VOA
Quant Type: ISTD
Operator: EA
Method File: /chem/msd7.i/7-03apr.b/t14q326b.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 03-APR-2007
Calibration Time: 11:07
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	243934	146360	341508	252846	3.65
97 1,4-Difluorobenze	977960	586776	1369144	1026769	4.99
126 Chlorobenzene-d5	753533	452120	1054946	779217	3.41

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.40	-0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

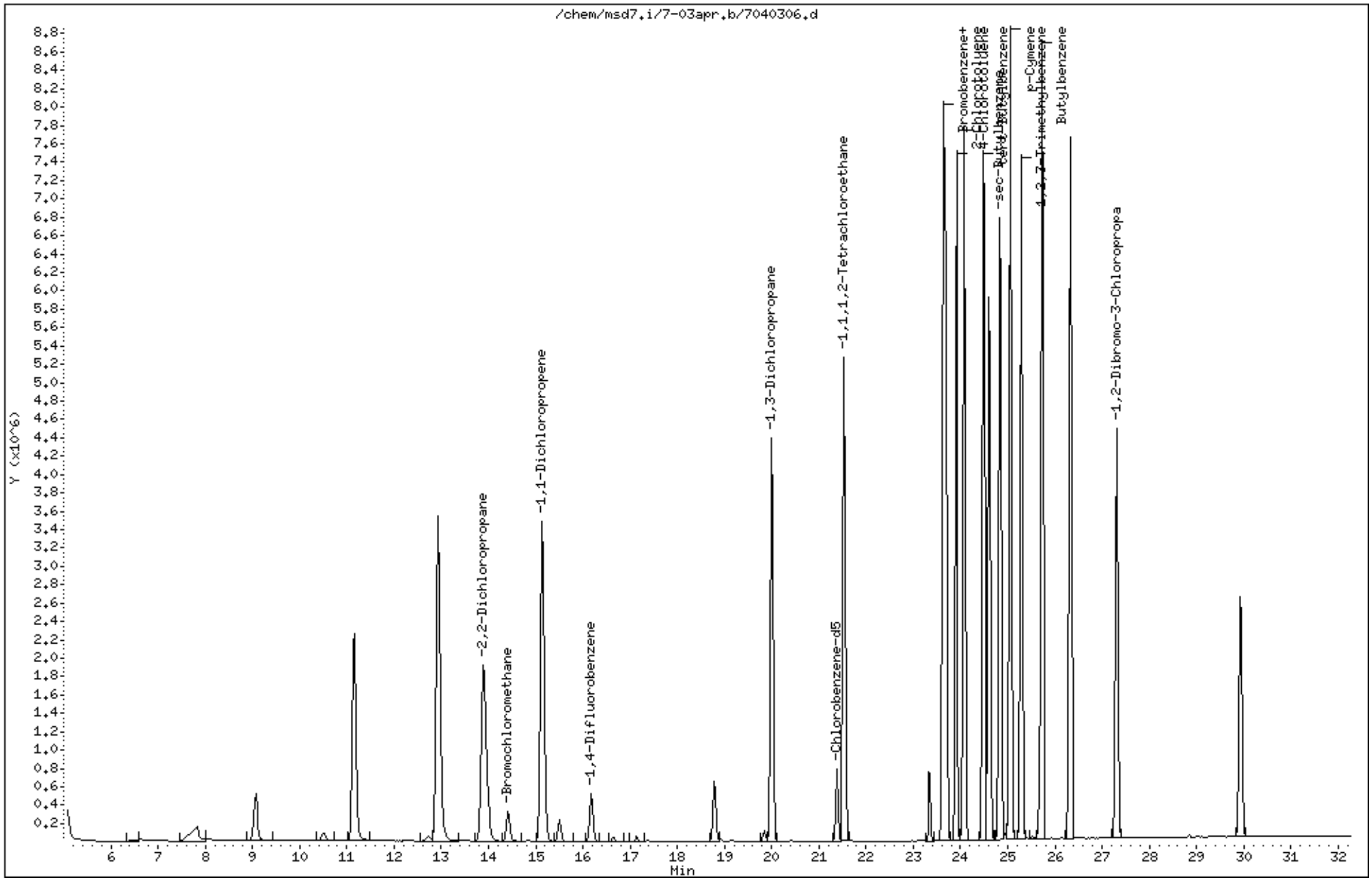
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0184

Data File: /chem/msd7.i/7-03apr.b/7040306.d
Date : 03-APR-2007 11:52
Client ID:
Sample Info: 200ml #1487-170

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

Column phase: RTx-624



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)	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)	AMOUNTS 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.

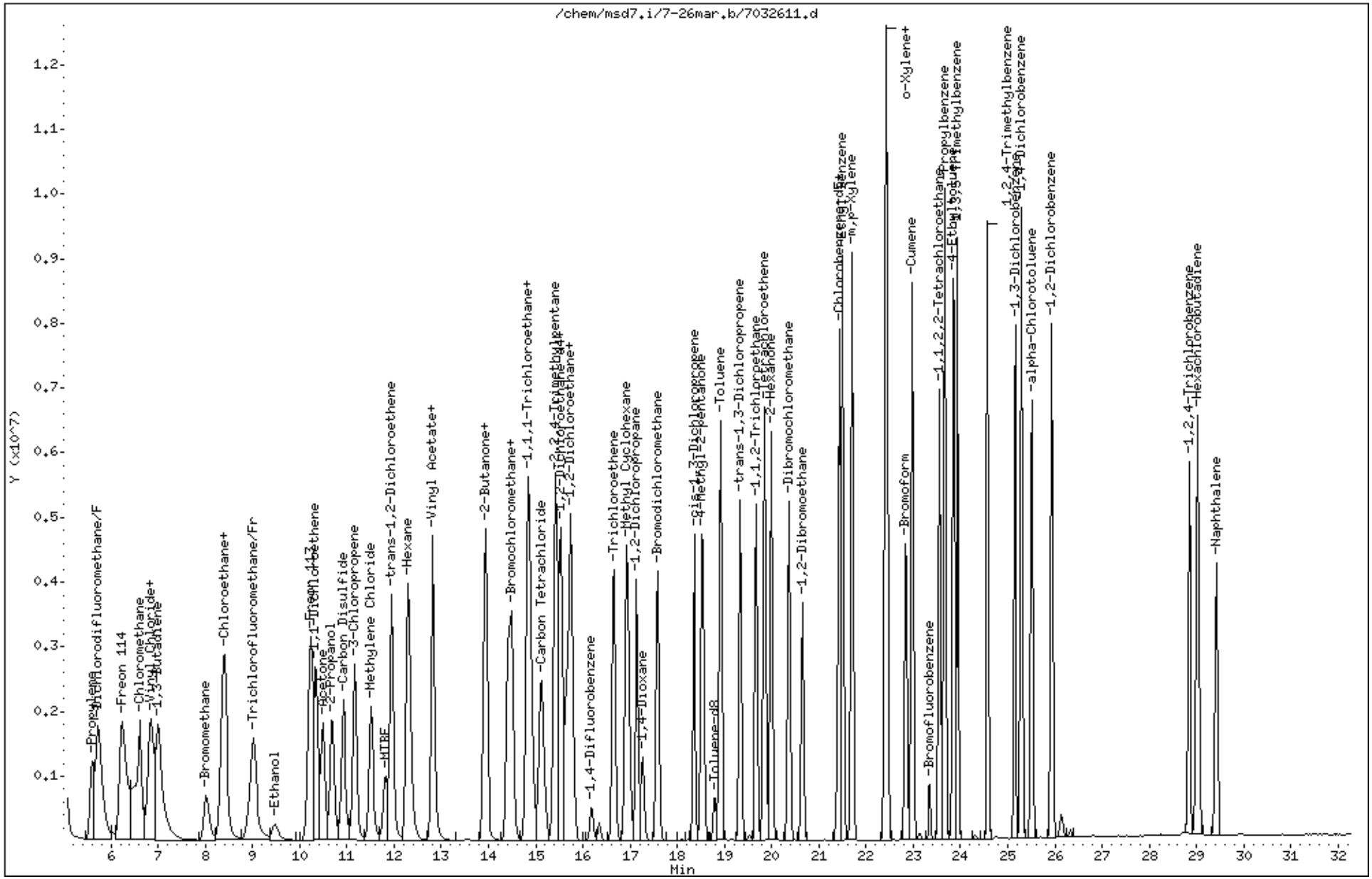
0194

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#: 0705109-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 09:27 AM**	

Compound	%Recovery
Freon 12	100
Freon 114	110
Vinyl Chloride	86
Bromomethane	102
Chloroethane	95
Freon 11	104
1,1-Dichloroethene	93
Freon 113	104
Methylene Chloride	86
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	98
Chloroform	110
1,1,1-Trichloroethane	115
Carbon Tetrachloride	120
Benzene	106
1,2-Dichloroethane	111
Trichloroethene	110
1,2-Dichloropropane	103
cis-1,3-Dichloropropene	109
Toluene	111
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	105
Tetrachloroethene	116
1,2-Dibromoethane (EDB)	111
Chlorobenzene	110
Ethyl Benzene	108
m,p-Xylene	108
o-Xylene	108
Styrene	113
1,1,2,2-Tetrachloroethane	103
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	101
1,2-Dichlorobenzene	101
1,3-Butadiene	91
Hexane	89
Cyclohexane	105

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705109-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 09:27 AM**	

Compound	%Recovery
Heptane	106
Bromodichloromethane	112
Dibromochloromethane	119
Cumene	106
Propylbenzene	104
Chloromethane	84
1,2,4-Trichlorobenzene	78
Hexachlorobutadiene	66 Q
Acetone	83
Carbon Disulfide	87
2-Propanol	90
trans-1,2-Dichloroethene	98
2-Butanone (Methyl Ethyl Ketone)	104
Tetrahydrofuran	95
1,4-Dioxane	106
4-Methyl-2-pentanone	110
2-Hexanone	99
Bromoform	125
4-Ethyltoluene	106
Ethanol	89
Methyl tert-butyl ether	113
3-Chloropropene	87
2,2,4-Trimethylpentane	100
Naphthalene	79

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 15-MAY-2007 09:27
Lab File ID: 7051502.d Init. Cal. Date(s): 26-MAR-2007 30-APR-2007
Analysis Type: AIR Init. Cal. Times: 11:32 11:49
Lab Sample ID: ccv-1 Quant Type: ISTD
Method: /chem/msd7.i/7-15may.b/t14q326d.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.55953	1.53822	0.010	1.36604	30.00000	Averaged
$ 113 Toluene-d8	1.00053	1.00118	0.010	-0.06525	30.00000	Averaged
$ 137 Bromofluorobenzene	0.58344	0.59521	0.010	-2.01756	30.00000	Averaged
11 Propylene	1.69100	1.40168	0.010	17.10977	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.06580	4.08044	0.010	-0.36018	30.00000	Averaged
16 Freon 114	2.46780	2.72257	0.010	-10.32400	30.00000	Averaged
18 Chloromethane	1.85486	1.55605	0.010	16.10974	30.00000	Averaged
20 Vinyl Chloride	1.91567	1.64367	0.010	14.19853	30.00000	Averaged
22 1,3-Butadiene	1.43768	1.30874	0.010	8.96852	30.00000	Averaged
25 Bromomethane	1.09775	1.12347	0.010	-2.34261	30.00000	Averaged
27 Chloroethane	0.82458	0.78335	0.010	5.00021	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	3.60916	3.74892	0.010	-3.87226	30.00000	Averaged
38 Ethanol	0.71491	0.63695	0.010	10.90479	30.00000	Averaged
42 Freon 113	2.08521	2.17054	0.010	-4.09207	30.00000	Averaged
43 1,1-Dichloroethene	2.83128	2.63251	0.010	7.02039	30.00000	Averaged
45 Acetone	0.89572	0.74648	0.010	16.66060	30.00000	Averaged
46 2-Propanol	3.73864	3.34886	0.010	10.42568	30.00000	Averaged
47 Carbon Disulfide	5.19912	4.54543	0.010	12.57313	30.00000	Averaged
51 3-Chloropropene	0.89664	0.77875	0.010	13.14856	30.00000	Averaged
54 Methylene Chloride	2.37704	2.04344	0.010	14.03426	30.00000	Averaged
60 MTBE	2.45109	2.76487	0.010	-12.80167	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.65670	1.62749	0.010	1.76320	30.00000	Averaged
65 Hexane	3.18489	2.82339	0.010	11.35037	30.00000	Averaged
69 Vinyl Acetate	0.38529	0.35163	0.010	8.73655	30.00000	Averaged
70 1,1-Dichloroethane	3.33755	3.15787	0.010	5.38374	30.00000	Averaged
75 2-Butanone	0.72955	0.75812	0.010	-3.91573	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.48356	2.43974	0.010	1.76469	30.00000	Averaged
80 Tetrahydrofuran	2.47513	2.36056	0.010	4.62896	30.00000	Averaged
82 Chloroform	2.91384	3.19334	0.010	-9.59189	30.00000	Averaged
83 1,1,1-Trichloroethane	2.67156	3.07859	0.010	-15.23566	30.00000	Averaged
85 Cyclohexane	1.99841	2.09328	0.010	-4.74755	30.00000	Averaged
87 Carbon Tetrachloride	2.49872	2.99938	0.010	-20.03666	30.00000	Averaged
89 2,2,4-Trimethylpentane	7.83772	7.83375	0.010	0.05065	30.00000	Averaged
91 Benzene	1.11154	1.17765	0.010	-5.94771	30.00000	Averaged
93 1,2-Dichloroethane	0.51262	0.56821	0.010	-10.84540	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 15-MAY-2007 09:27
Lab File ID: 7051502.d Init. Cal. Date(s): 26-MAR-2007 30-APR-2007
Analysis Type: AIR Init. Cal. Times: 11:32 11:49
Lab Sample ID: ccv-1 Quant Type: ISTD
Method: /chem/msd7.i/7-15may.b/t14q326d.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
94 Heptane	0.36002	0.37998	0.010	-5.54321	30.00000	Averaged	
101 Trichloroethene	0.44193	0.48698	0.010	-10.19380	30.00000	Averaged	
104 1,2-Dichloropropane	0.44693	0.45859	0.010	-2.61025	30.00000	Averaged	
106 1,4-Dioxane	0.25439	0.27091	0.010	-6.49341	30.00000	Averaged	
107 Bromodichloromethane	0.75920	0.85311	0.010	-12.36990	30.00000	Averaged	
110 cis-1,3-Dichloropropene	0.62774	0.68554	0.010	-9.20726	30.00000	Averaged	
111 4-Methyl-2-pentanone	0.35503	0.38882	0.010	-9.51891	30.00000	Averaged	
114 Toluene	1.18610	1.31265	0.010	-10.66990	30.00000	Averaged	
116 trans-1,3-Dichloropropene	0.83089	0.87781	0.010	-5.64737	30.00000	Averaged	
117 1,1,2-Trichloroethane	0.56313	0.59081	0.010	-4.91403	30.00000	Averaged	
120 Tetrachloroethene	0.67890	0.79082	0.010	-16.48541	30.00000	Averaged	
121 2-Hexanone	0.67874	0.66975	0.010	1.32465	30.00000	Averaged	
122 Dibromochloromethane	0.87288	1.04201	0.010	-19.37587	30.00000	Averaged	
123 1,2-Dibromoethane	0.82350	0.91666	0.010	-11.31286	30.00000	Averaged	
127 Chlorobenzene	1.21729	1.34489	0.010	-10.48244	30.00000	Averaged	
128 Ethyl Benzene	0.62582	0.67702	0.010	-8.18094	30.00000	Averaged	
129 m,p-Xylene	0.79537	0.85986	0.010	-8.10778	30.00000	Averaged	
130 o-Xylene	0.70426	0.75871	0.010	-7.73210	30.00000	Averaged	
131 Styrene	1.14673	1.29788	0.010	-13.18083	30.00000	Averaged	
133 Bromoform	0.74301	0.92979	0.010	-25.13817	30.00000	Averaged	
134 Cumene	1.85381	1.97562	0.010	-6.57084	30.00000	Averaged	
140 1,1,2,2-Tetrachloroethane	1.12684	1.16157	0.010	-3.08208	30.00000	Averaged	
142 Propylbenzene	2.37806	2.46690	0.010	-3.73605	30.00000	Averaged	
145 4-Ethyltoluene	2.01019	2.13574	0.010	-6.24580	30.00000	Averaged	
147 1,3,5-Trimethylbenzene	1.69329	1.75820	0.010	-3.83350	30.00000	Averaged	
150 1,2,4-Trimethylbenzene	1.57754	1.62958	0.010	-3.29913	30.00000	Averaged	
155 1,3-Dichlorobenzene	1.08896	1.14269	0.010	-4.93427	30.00000	Averaged	
156 1,4-Dichlorobenzene	1.10668	1.16407	0.010	-5.18610	30.00000	Averaged	
159 alpha-Chlorotoluene	1.61031	1.63045	0.010	-1.25098	30.00000	Averaged	
161 1,2-Dichlorobenzene	0.99706	1.00524	0.010	-0.82070	30.00000	Averaged	
165 1,2,4-Trichlorobenzene	0.57684	0.44720	0.010	22.47392	30.00000	Averaged	
166 Hexachlorobutadiene	0.52043	0.34577	0.010	33.56134	30.00000	Averaged	<-
29 Isopentane	2.85534	2.26267	0.010	20.75651	30.00000	Averaged	
19 Butane	0.36355	0.29338	0.010	19.30242	30.00000	Averaged	
102 Methyl Cyclohexane	2.48967	2.71869	0.010	-9.19890	30.00000	Averaged	
167 Naphthalene	1.06443	0.84140	0.010	20.95259	30.00000	Averaged	

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-15may.b/7051502.d
Lab Smp Id: ccv-1 Client Smp ID: ccv-1
Inj Date : 15-MAY-2007 09:27
Operator : ea Inst ID: msd7.i
Smp Info : 50ml #1487-263
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-15may.b/t14q326d.m
Meth Date : 15-May-2007 12:02 ealcan Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.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		
14.430	14.430 (1.000)	130	218710	25.0000		80.00- 120.00	100.00
14.430	14.430 (1.000)	128	170334			27.88- 127.88	77.88
14.402	14.402 (1.000)	49	532296			193.38- 293.38	243.38
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	892714	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	143961			0.00- 66.13	16.13
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	731589	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	437728			12.04- 112.04	59.83
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	336425	25.0000	24.658	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	186702			3.94- 103.94	55.50
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	893766	25.0000	25.016	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	100036			0.00- 61.60	11.19

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	603311			16.47- 116.47	67.50
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	435447	25.0000	25.504	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	549272			76.14- 176.14	126.14
23.361	23.361 (1.093)	176	422594			47.05- 147.05	97.05
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.389)	41	613121	50.0000	41.445	80.00- 120.00	100.00
5.610	5.610 (0.389)	42	406673			17.69- 117.69	66.33
5.610	5.610 (0.389)	39	479631			23.66- 123.66	78.23
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.398)	85	1784868	50.0000	50.180	80.00- 120.00	100.00
5.748	5.748 (0.398)	87	575372			0.00- 81.16	32.24
16 Freon 114					CAS #: 76-14-2		
6.218	6.218 (0.431)	135	1190908	50.0000	55.162	80.00- 120.00	100.00
6.218	6.218 (0.431)	137	375585			0.00- 81.54	31.54
18 Chloromethane					CAS #: 74-87-3		
6.439	6.439 (0.446)	50	680646	50.0000	41.945	80.00- 120.00	100.00
6.439	6.439 (0.446)	52	227438			0.00- 84.88	33.42
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.477)	62	718975	50.0000	42.901	80.00- 120.00	100.00
6.882	6.882 (0.477)	64	228201			0.00- 83.40	31.74
22 1,3-Butadiene					CAS #: 106-99-0		
6.937	6.937 (0.481)	54	572470	50.0000	45.516	80.00- 120.00	100.00
6.937	6.937 (0.481)	39	688714			95.09- 195.09	120.31
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.557)	94	491427	50.0000	51.171	80.00- 120.00	100.00
8.043	8.043 (0.557)	96	454889			42.56- 142.56	92.56
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.578)	64	342654	50.0000	47.500	80.00- 120.00	100.00
8.347	8.347 (0.578)	49	106869			0.00- 80.35	31.19
8.347	8.347 (0.578)	66	106832			0.00- 81.16	31.18
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.983	8.983 (0.623)	101	1639852	50.0000	51.936	80.00- 120.00	100.00
8.983	8.983 (0.623)	103	1063471			14.85- 114.85	64.85

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	278616	50.0000	44.548	80.00- 120.00	100.00
9.453	9.453 (0.655)	43	62033			0.00- 70.66	22.26
9.453	9.453 (0.655)	46	103049			0.00- 85.62	36.99
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.709)	151	949438	50.0000	52.046	80.00- 120.00	100.00
10.227	10.227 (0.709)	153	612726			14.54- 114.54	64.54
10.227	10.227 (0.709)	101	1182607			74.56- 174.56	124.56
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.716)	61	1151512	50.0000	46.490	80.00- 120.00	100.00
10.338	10.338 (0.716)	96	598062			1.94- 101.94	51.94
10.338	10.338 (0.716)	98	385983			0.00- 83.52	33.52
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.728)	58	326527	50.0000	41.670	80.00- 120.00	100.00
10.504	10.504 (0.728)	43	1238599			299.51- 399.51	379.33
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.741)	45	1464860	50.0000	44.787	80.00- 120.00	100.00
10.697	10.697 (0.741)	43	351547			0.00- 73.94	24.00
10.697	10.697 (0.741)	59	49668			0.00- 53.36	3.39
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.755)	76	1988261	50.0000	43.713	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.774)	76	340640	50.0000	43.426	80.00- 120.00	100.00
11.167	11.167 (0.774)	41	1149613			296.65- 396.65	337.49
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.795)	49	893840	50.0000	42.983	80.00- 120.00	100.00
11.472	11.472 (0.795)	84	543657			10.82- 110.82	60.82
11.472	11.472 (0.795)	51	256826			0.00- 82.79	28.73
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.820)	73	1209411	50.0000	56.401	80.00- 120.00	100.00
11.831	11.831 (0.820)	57	294379			0.00- 74.34	24.34
11.831	11.831 (0.820)	41	322211			0.00- 76.34	26.64
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.828)	96	711897	50.0000	49.118	80.00- 120.00	100.00
11.942	11.942 (0.828)	61	1172374			114.68- 214.68	164.68
11.942	11.942 (0.828)	98	447565			12.79- 112.79	62.87

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	1235008	50.0000	44.325	80.00- 120.00	100.00
12.301	12.301 (0.852)	43	897467			28.75- 128.75	72.67
12.329	12.329 (0.854)	86	163915			0.00- 62.22	13.27
69 Vinyl Acetate					CAS #: 108-05-4		
12.826	12.826 (0.889)	86	153810	50.0000	45.632	80.00- 120.00	100.00
12.799	12.799 (0.887)	43	2456743			1598.34-1698.34	1597.26
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.889)	63	1381314	50.0000	47.308	80.00- 120.00	100.00
12.826	12.826 (0.889)	65	435391			0.00- 81.52	31.52
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	331617	50.0000	51.958	80.00- 120.00	100.00
13.905	13.905 (0.964)	43	1801594			493.28- 593.28	543.28
13.905	13.905 (0.964)	57	116599			0.00- 86.19	35.16
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.966)	61	1067189	50.0000	49.118	80.00- 120.00	100.00
13.932	13.932 (0.966)	96	692527			14.89- 114.89	64.89
13.932	13.932 (0.966)	98	444590			0.00- 91.66	41.66
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (0.998)	42	1032554	50.0000	47.686	80.00- 120.00	100.00
14.402	14.402 (0.998)	71	325169			0.00- 81.49	31.49
14.402	14.402 (0.998)	72	336176			0.00- 79.76	32.56
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.004)	83	1396829	50.0000	54.796	80.00- 120.00	100.00
14.485	14.485 (1.004)	85	874573			12.61- 112.61	62.61
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.029)	97	1346637	50.0000	57.618	80.00- 120.00	100.00
14.845	14.845 (1.029)	99	867176			14.40- 114.40	64.40
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.872 (1.031)	84	915643	50.0000	52.374	80.00- 120.00	100.00
14.872	14.872 (1.031)	56	1207908			81.92- 181.92	131.92
14.872	14.872 (1.031)	41	790610			36.34- 136.34	86.34
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.048)	119	1311988	50.0000	60.018	80.00- 120.00	100.00
15.121	15.121 (1.048)	117	1355655			53.33- 153.33	103.33
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.069)	57	3426639	50.0000	49.975	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.425	15.425 (1.069)	56	1140457			0.00- 83.49	33.28
15.425	15.425 (1.069)	41	1035614			0.00- 79.02	30.22
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	2102603	50.0000	52.974	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	467026			0.00- 73.97	22.21
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1014503	50.0000	55.423	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	326195			0.00- 82.64	32.15
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	678421	50.0000	52.772	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1566000			199.88- 299.88	230.83
15.730	15.730 (0.973)	57	719548			66.44- 166.44	106.06
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	869461	50.0000	55.097	80.00- 120.00	100.00
16.670	16.670 (1.031)	130	870252			50.09- 150.09	100.09
16.642	16.642 (1.029)	97	555985			13.95- 113.95	63.95
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	818784	50.0000	51.305	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	589754			22.03- 122.03	72.03
17.140	17.140 (1.060)	41	587440			21.75- 121.75	71.75
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	483686	50.0000	53.247	80.00- 120.00	100.00
17.278	17.278 (1.068)	58	355186			23.43- 123.43	73.43
17.278	17.278 (1.068)	57	126890			0.00- 77.16	26.23
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.582 (1.087)	83	1523170	50.0000	56.185	80.00- 120.00	100.00
17.582	17.582 (1.087)	85	933980			11.32- 111.32	61.32
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1223979	50.0000	54.604	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	385839			0.00- 81.52	31.52
18.356	18.356 (1.135)	39	804947			15.76- 115.76	65.76
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	694215	50.0000	54.759	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2094242			247.32- 347.32	301.67
18.550	18.550 (1.147)	85	264064			0.00- 86.34	38.04

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	2343647	50.0000	55.335	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	1438515			11.38- 111.38	61.38
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1284395	50.0000	52.824	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	406073			0.00- 81.62	31.62
19.324	19.324 (0.904)	39	806518			12.79- 112.79	62.79
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	864456	50.0000	52.457	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	533066			11.66- 111.66	61.66
19.683	19.683 (0.921)	83	738540			35.43- 135.43	85.43
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1157112	50.0000	58.243	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	838994			22.51- 122.51	72.51
19.849	19.849 (0.929)	131	804170			19.50- 119.50	69.50
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	979959	50.0000	49.338	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2083735			162.63- 262.63	212.63
19.988	19.988 (0.935)	100	160355			0.00- 65.44	16.36
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1524649	50.0000	59.688	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1173274			28.67- 128.67	76.95
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1341238	50.0000	55.656	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1270495			44.73- 144.73	94.73
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	1967816	50.0000	55.241	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	631208			0.00- 82.08	32.08
21.425	21.425 (1.003)	77	1438979			23.13- 123.13	73.13
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	990598	50.0000	54.090	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	3110298			270.80- 370.80	313.98
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1258128	50.0000	54.054	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2470367			150.36- 250.36	196.35
130 o-Xylene					CAS #: 95-47-6		
22.421	22.421 (1.049)	106	1110126	50.0000	53.866	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	2284220			155.76- 255.76	205.76
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	1899029	50.0000	56.590	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	965236			0.83- 100.83	50.83
133 Bromoform					CAS #: 75-25-2		
22.835	22.835 (1.069)	173	1360454	50.0000	62.569	80.00- 120.00	100.00
22.835	22.835 (1.069)	171	703286			1.69- 101.69	51.69
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	2890683	50.0000	53.285	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	752615			0.00- 76.34	26.04
22.974	22.974 (1.075)	51	330282			0.00- 63.93	11.43
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1699579	50.0000	51.541	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1064540			12.64- 112.64	62.64
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	3609516	50.0000	51.868	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	810590			0.00- 71.79	22.46
23.665	23.665 (1.107)	105	130229			0.00- 69.81	3.61
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	3124967	50.0000	53.123	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	938647			0.00- 80.04	30.04
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	2572561	50.0000	51.917	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	1271933			0.00- 98.92	49.44
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	2384367	50.0000	51.650	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1111269			0.00- 96.59	46.61
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1671963	50.0000	52.467	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1067808			12.51- 112.51	63.87
25.158	25.158 (1.177)	111	675971			0.00- 92.45	40.43
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1703245	50.0000	52.593	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1090454			13.81- 113.81	64.02
25.296	25.296 (1.184)	111	663946			0.00- 89.91	38.98

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	2385639	50.0000	50.625	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	473501			0.00- 69.64	19.85
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1470842	50.0000	50.410	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	922828			12.74- 112.74	62.74
25.932	25.932 (1.213)	111	621010			0.00- 92.22	42.22
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	654336	50.0000	38.763	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	616258			44.18- 144.18	94.18
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	505922	50.0000	33.219	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	317728			12.36- 112.36	62.80
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.580)	43	989738	50.0000	39.622	80.00- 120.00	100.00
8.375	8.375 (0.580)	57	599657			7.26- 107.26	60.59
19 Butane					CAS #: 106-97-8		
6.771	6.771 (0.469)	58	128330	50.0000	40.349	80.00- 120.00	100.00
6.771	6.771 (0.469)	43	1211809			927.36-1027.36	944.29
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.172)	83	1189211	50.0000	54.599	80.00- 120.00	100.00
16.946	16.946 (1.174)	98	506196			0.00- 92.87	42.57
16.918	16.918 (1.172)	55	1079519			45.27- 145.27	90.78
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1231125	50.0000	39.524	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	151458			0.00- 62.68	12.30

Report Date: 15-May-2007 12:02

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7051502.d
Lab Smp Id: ccv-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 15-MAY-2007
Calibration Time: 11:35
Client Smp ID: ccv-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	209827	125896	293758	218710	4.23
97 1,4-Difluorobenze	870553	522332	1218774	892714	2.55
126 Chlorobenzene-d5	682936	409762	956110	731589	7.12

		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	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

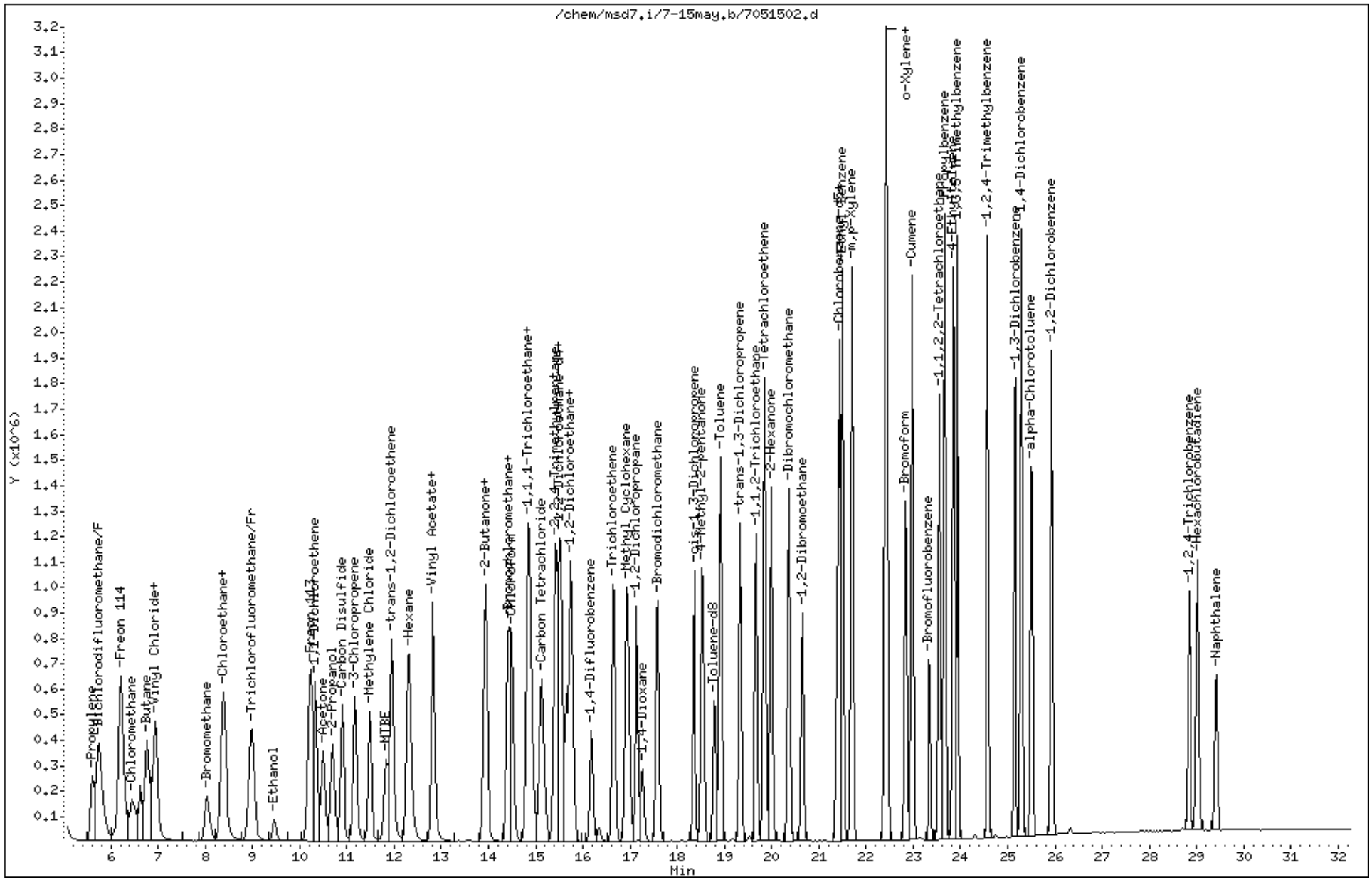
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0208

Data File: /chem/msd7.i/7-15may.b/7051502.d
Date : 15-MAY-2007 09:27
Client ID: ccv-1
Sample Info: 50ml #1487-263

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705109-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 12:23 PM**	

Compound	%Recovery
Freon 12	98
Freon 114	107
Vinyl Chloride	87
Bromomethane	104
Chloroethane	96
Freon 11	103
1,1-Dichloroethene	104
Freon 113	116
Methylene Chloride	94
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	100
Chloroform	112
1,1,1-Trichloroethane	115
Carbon Tetrachloride	120
Benzene	106
1,2-Dichloroethane	110
Trichloroethene	108
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	108
Toluene	113
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	105
Tetrachloroethene	117
1,2-Dibromoethane (EDB)	110
Chlorobenzene	110
Ethyl Benzene	105
m,p-Xylene	106
o-Xylene	107
Styrene	108
1,1,2,2-Tetrachloroethane	103
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	99
1,3-Butadiene	88
Hexane	90
Cyclohexane	103

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705109-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7051506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/15/07 12:23 PM**	

Compound	%Recovery
Heptane	102
Bromodichloromethane	111
Dibromochloromethane	120
Cumene	108
Propylbenzene	105
Chloromethane	84
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	71
Acetone	90
Carbon Disulfide	89
2-Propanol	92
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	105
Tetrahydrofuran	96
1,4-Dioxane	106
4-Methyl-2-pentanone	109
2-Hexanone	98
Bromoform	126
4-Ethyltoluene	106
Ethanol	96
Methyl tert-butyl ether	98
3-Chloropropene	87
2,2,4-Trimethylpentane	100
Naphthalene	74

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130

Report Date: 15-May-2007 12:50

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-15may
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: ea
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 100ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	48.897	97.79	70-130
16 Freon 114	50.000	53.725	107.45	70-130
18 Chloromethane	50.000	41.806	83.61	70-130
20 Vinyl Chloride	50.000	43.613	87.23	70-130
22 1,3-Butadiene	50.000	44.055	88.11	60-140
25 Bromomethane	50.000	51.771	103.54	70-130
27 Chloroethane	50.000	47.905	95.81	70-130
31 Trichlorofluoromet	50.000	51.537	103.07	70-130
38 Ethanol	50.000	47.796	95.59	60-140
42 Freon 113	50.000	58.057	116.11	70-130
43 1,1-Dichloroethene	50.000	51.867	103.73	70-130
45 Acetone	50.000	44.878	89.76	60-140
47 Carbon Disulfide	50.000	44.621	89.24	60-140
46 2-Propanol	50.000	46.036	92.07	60-140
54 Methylene Chloride	50.000	47.192	94.39	70-130
60 MTBE	50.000	49.272	98.54	60-140
61 trans-1,2-Dichloro	50.000	49.548	99.10	60-140
65 Hexane	50.000	45.084	90.17	60-140
69 Vinyl Acetate	50.000	47.713	95.43	60-140
70 1,1-Dichloroethane	50.000	49.811	99.62	70-130
76 cis-1,2-Dichloroet	50.000	50.148	100.30	70-130
75 2-Butanone	50.000	52.590	105.18	60-140
80 Tetrahydrofuran	50.000	47.855	95.71	60-140
82 Chloroform	50.000	55.757	111.51	70-130
85 Cyclohexane	50.000	51.678	103.36	60-140
83 1,1,1-Trichloroeth	50.000	57.743	115.49	70-130
87 Carbon Tetrachlori	50.000	59.758	119.52	70-130
91 Benzene	50.000	52.916	105.83	70-130
93 1,2-Dichloroethane	50.000	55.090	110.18	70-130
94 Heptane	50.000	51.056	102.11	60-140
101 Trichloroethene	50.000	54.156	108.31	70-130
104 1,2-Dichloropropan	50.000	50.013	100.03	70-130
106 1,4-Dioxane	50.000	53.237	106.47	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	55.568	111.14	60-140
110 cis-1,3-Dichloropr	50.000	53.784	107.57	70-130
111 4-Methyl-2-pentano	50.000	54.572	109.14	60-140
114 Toluene	50.000	56.647	113.29	70-130
116 trans-1,3-Dichloro	50.000	53.550	107.10	70-130
117 1,1,2-Trichloroeth	50.000	52.534	105.07	70-130
120 Tetrachloroethene	50.000	58.545	117.09	70-130
121 2-Hexanone	50.000	48.876	97.75	60-140
122 Dibromochlorometha	50.000	59.955	119.91	60-140
123 1,2-Dibromoethane	50.000	54.864	109.73	70-130
127 Chlorobenzene	50.000	54.972	109.94	70-130
128 Ethyl Benzene	50.000	52.406	104.81	70-130
129 m,p-Xylene	50.000	52.966	105.93	70-130
130 o-Xylene	50.000	53.438	106.88	70-130
131 Styrene	50.000	53.846	107.69	70-130
133 Bromoform	50.000	63.298	126.60	60-140
140 1,1,2,2-Tetrachlor	50.000	51.430	102.86	70-130
145 4-Ethyltoluene	50.000	53.119	106.24	60-140
147 1,3,5-Trimethylben	50.000	50.370	100.74	70-130
150 1,2,4-Trimethylben	50.000	50.413	100.83	70-130
155 1,3-Dichlorobenzen	50.000	52.829	105.66	70-130
156 1,4-Dichlorobenzen	50.000	52.171	104.34	70-130
159 alpha-Chlorotoluen	50.000	52.500	105.00	70-130
161 1,2-Dichlorobenzen	50.000	49.733	99.47	70-130
165 1,2,4-Trichloroben	50.000	42.704	85.41	70-130
166 Hexachlorobutadien	50.000	35.421	70.84	70-130
142 Propylbenzene	50.000	52.684	105.37	60-140
134 Cumene	50.000	54.279	108.56	60-140
51 3-Chloropropene	50.000	43.682	87.36	60-140
89 2,2,4-Trimethylpen	50.000	50.129	100.26	60-140
29 Isopentane	50.000	39.621	79.24	70-130
19 Butane	50.000	41.425	82.85	70-130
102 Methyl Cyclohexane	50.000	55.639	111.28	70-130
11 Propylene	50.000	44.045	88.09	60-140
167 Naphthalene	50.000	36.976	73.95	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.018	100.07	70-130
$ 113 Toluene-d8	25.000	24.538	98.15	70-130
$ 137 Bromofluorobenzene	25.000	25.388	101.55	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-15may.b/7051506.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 15-MAY-2007 12:23
Operator : ea Inst ID: msd7.i
Smp Info : 100ml #1487-194A
Misc Info : 100ppbv-50ppbv
Comment :
Method : /chem/msd7.i/7-15may.b/t14q326d.m
Meth Date : 15-May-2007 12:02 ealcan Quant Type: ISTD
Cal Date : 30-APR-2007 11:49 Cal File: 7043006.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		
14.402	14.430 (1.000)	130	214867	25.0000		80.00- 120.00	100.00
14.402	14.430 (1.000)	128	167502			27.88- 127.88	77.96
14.402	14.402 (1.000)	49	534984			193.38- 293.38	248.98
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	895604	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	141297			0.00- 66.13	15.78
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	710095	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	431406			12.04- 112.04	60.75
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	335336	25.0183	25.018	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	183749			3.94- 103.94	54.80
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	879530	24.5384	24.538	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	99896			0.00- 61.60	11.36

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.771	18.771 (1.161)	100	590051			16.47- 116.47	67.09
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	420725	25.3880	25.388	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	527097			76.14- 176.14	125.28
23.361	23.361 (1.093)	176	406164			47.05- 147.05	96.54
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	640129	44.0447	44.045	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	430391			17.69- 117.69	67.24
5.610	5.610 (0.390)	39	505041			23.66- 123.66	78.90
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.721	5.748 (0.397)	85	1708661	48.8968	48.897	80.00- 120.00	100.00
5.721	5.748 (0.397)	87	542776			0.00- 81.16	31.77
16 Freon 114					CAS #: 76-14-2		
6.218	6.218 (0.432)	135	1139505	53.7251	53.725	80.00- 120.00	100.00
6.191	6.218 (0.430)	137	362302			0.00- 81.54	31.79
18 Chloromethane					CAS #: 74-87-3		
6.439	6.439 (0.447)	50	666470	41.8061	41.806	80.00- 120.00	100.00
6.439	6.439 (0.447)	52	221545			0.00- 84.88	33.24
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.882 (0.476)	62	718066	43.6128	43.613	80.00- 120.00	100.00
6.854	6.882 (0.476)	64	226689			0.00- 83.40	31.57
22 1,3-Butadiene					CAS #: 106-99-0		
6.937	6.937 (0.482)	54	544362	44.0550	44.055	80.00- 120.00	100.00
6.937	6.937 (0.482)	39	683048			95.09- 195.09	125.48
25 Bromomethane					CAS #: 74-83-9		
8.015	8.043 (0.557)	94	488448	51.7708	51.771	80.00- 120.00	100.00
8.015	8.043 (0.557)	96	457318			42.56- 142.56	93.63
27 Chloroethane					CAS #: 75-00-3		
8.320	8.347 (0.578)	64	339502	47.9047	47.905	80.00- 120.00	100.00
8.320	8.347 (0.578)	49	103379			0.00- 80.35	30.45
8.320	8.347 (0.578)	66	107904			0.00- 81.16	31.78
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.956	8.983 (0.622)	101	1598664	51.5372	51.537	80.00- 120.00	100.00
8.956	8.983 (0.622)	103	1029312			14.85- 114.85	64.39

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.656)	45	293681	47.7962	47.796	80.00- 120.00	100.00
9.453	9.453 (0.656)	43	65118			0.00- 70.66	22.17
9.453	9.453 (0.656)	46	109076			0.00- 85.62	37.14
42 Freon 113					CAS #: 76-13-1		
10.200	10.227 (0.708)	151	1040483	58.0570	58.057	80.00- 120.00	100.00
10.200	10.227 (0.708)	153	662755			14.54- 114.54	63.70
10.200	10.227 (0.708)	101	1292762			74.56- 174.56	124.25
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.338 (0.716)	61	1262119	51.8667	51.867	80.00- 120.00	100.00
10.338	10.338 (0.718)	96	660354			1.94- 101.94	52.32
10.338	10.338 (0.718)	98	429471			0.00- 83.52	34.03
45 Acetone					CAS #: 67-64-1		
10.476	10.504 (0.727)	58	345491	44.8784	44.878	80.00- 120.00	100.00
10.476	10.504 (0.727)	43	1344398			299.51- 399.51	389.13
46 2-Propanol					CAS #: 67-63-0		
10.670	10.697 (0.741)	45	1479260	46.0363	46.036	80.00- 120.00	100.00
10.670	10.697 (0.741)	43	339211			0.00- 73.94	22.93
10.670	10.697 (0.741)	59	52762			0.00- 53.36	3.57
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.756)	76	1993864	44.6207	44.621	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.775)	76	336628	43.6818	43.682	80.00- 120.00	100.00
11.167	11.167 (0.775)	41	1133198			296.65- 396.65	336.63
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	964138	47.1926	47.192	80.00- 120.00	100.00
11.472	11.472 (0.796)	84	587484			10.82- 110.82	60.93
11.472	11.472 (0.796)	51	282989			0.00- 82.79	29.35
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	1037989	49.2724	49.272	80.00- 120.00	100.00
11.831	11.831 (0.821)	57	252972			0.00- 74.34	24.37
11.831	11.831 (0.821)	41	284052			0.00- 76.34	27.37
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	705507	49.5481	49.548	80.00- 120.00	100.00
11.942	11.942 (0.829)	61	1166294			114.68- 214.68	165.31
11.942	11.942 (0.829)	98	448326			12.79- 112.79	63.55

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.329 (0.854)	57	1234080	45.0837	45.084	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	890446			28.75- 128.75	72.15
12.301	12.329 (0.854)	86	162421			0.00- 62.22	13.16
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.826 (0.889)	86	158001	47.7135	47.713	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	2448327			1598.34-1698.34	1549.56
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	1428830	49.8107	49.811	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	448681			0.00- 81.52	31.40
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	329754	52.5900	52.590	80.00- 120.00	100.00
13.905	13.905 (0.965)	43	1832376			493.28- 593.28	555.68
13.905	13.905 (0.965)	57	119532			0.00- 86.19	36.25
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	1070433	50.1481	50.148	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	697106			14.89- 114.89	65.12
13.932	13.932 (0.967)	98	446111			0.00- 91.66	41.68
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (1.000)	42	1018020	47.8552	47.855	80.00- 120.00	100.00
14.402	14.402 (1.000)	71	314083			0.00- 81.49	30.85
14.402	14.402 (1.000)	72	338985			0.00- 79.76	33.30
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	1396347	55.7568	55.757	80.00- 120.00	100.00
14.485	14.485 (1.006)	85	874361			12.61- 112.61	62.62
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	1325850	57.7430	57.743	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	858425			14.40- 114.40	64.75
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.872 (1.031)	84	887598	51.6777	51.678	80.00- 120.00	100.00
14.845	14.872 (1.031)	56	1202515			81.92- 181.92	135.48
14.845	14.872 (1.031)	41	787584			36.34- 136.34	88.73
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.121 (1.050)	119	1283347	59.7581	59.758	80.00- 120.00	100.00
15.094	15.121 (1.048)	117	1326675			53.33- 153.33	103.38
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	3376836	50.1292	50.129	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 (1.071)	56	1129128			0.00- 83.49	33.44
15.425	15.425 (1.071)	41	1020630			0.00- 79.02	30.22
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	2107109	52.9161	52.916	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	477374			0.00- 73.97	22.66
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1011669	55.0895	55.090	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	322868			0.00- 82.64	31.91
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	658489	51.0559	51.056	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1558013			199.88- 299.88	236.60
15.730	15.730 (0.973)	57	738941			66.44- 166.44	112.22
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	857389	54.1566	54.156	80.00- 120.00	100.00
16.642	16.670 (1.029)	130	866651			50.09- 150.09	101.08
16.642	16.642 (1.029)	97	553173			13.95- 113.95	64.52
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	800746	50.0130	50.013	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	588698			22.03- 122.03	73.52
17.140	17.140 (1.060)	41	569034			21.75- 121.75	71.06
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	485166	53.2373	53.237	80.00- 120.00	100.00
17.250	17.278 (1.067)	58	353719			23.43- 123.43	72.91
17.250	17.278 (1.067)	57	126695			0.00- 77.16	26.11
107 Bromodichloromethane					CAS #: 75-27-4		
17.554	17.582 (1.085)	83	1511317	55.5678	55.568	80.00- 120.00	100.00
17.554	17.582 (1.085)	85	925144			11.32- 111.32	61.21
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1209513	53.7842	53.784	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	378016			0.00- 81.52	31.25
18.356	18.356 (1.135)	39	808500			15.76- 115.76	66.85
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	694084	54.5725	54.572	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2092962			247.32- 347.32	301.54
18.522	18.550 (1.145)	85	266609			0.00- 86.34	38.41

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 (1.169)	91	2406982	56.6469	56.647	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	1471809			11.38- 111.38	61.15
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1263814	53.5506	53.550	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	393617			0.00- 81.62	31.15
19.324	19.324 (0.904)	39	785697			12.79- 112.79	62.17
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	840282	52.5335	52.534	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	520359			11.66- 111.66	61.93
19.683	19.683 (0.921)	83	724245			35.43- 135.43	86.19
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1128949	58.5452	58.545	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	829733			22.51- 122.51	73.50
19.849	19.849 (0.929)	131	797716			19.50- 119.50	70.66
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	942278	48.8765	48.876	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2052716			162.63- 262.63	217.85
19.988	19.988 (0.935)	100	156516			0.00- 65.44	16.61
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1486467	59.9546	59.955	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1169462			28.67- 128.67	78.67
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1283293	54.8638	54.864	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1216770			44.73- 144.73	94.82
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	1900682	54.9717	54.972	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	612044			0.00- 82.08	32.20
21.425	21.425 (1.003)	77	1402952			23.13- 123.13	73.81
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	931543	52.4055	52.406	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	2968313			270.80- 370.80	318.64
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1196581	52.9657	52.966	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2380655			150.36- 250.36	198.95
130 o-Xylene					CAS #: 95-47-6		
22.393	22.421 (1.048)	106	1068941	53.4376	53.438	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.393 (1.048)	91	2247088			155.76- 255.76	210.22
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	1753833	53.8456	53.846	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	910134			0.83- 100.83	51.89
133 Bromoform					CAS #: 75-25-2		
22.836	22.835 (1.069)	173	1335876	63.2984	63.298	80.00- 120.00	100.00
22.836	22.835 (1.069)	171	684155			1.69- 101.69	51.21
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	2858096	54.2795	54.279	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	746007			0.00- 76.34	26.10
22.974	22.974 (1.075)	51	338141			0.00- 63.93	11.83
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	1646099	51.4302	51.430	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1015699			12.64- 112.64	61.70
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	3558621	52.6845	52.684	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	789043			0.00- 71.79	22.17
23.665	23.665 (1.107)	105	131233			0.00- 69.81	3.69
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	3032925	53.1189	53.119	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	914297			0.00- 80.04	30.15
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	2422579	50.3698	50.370	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	1201686			0.00- 98.92	49.60
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	2258926	50.4134	50.413	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1046923			0.00- 96.59	46.35
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1634037	52.8291	52.829	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1036680			12.51- 112.51	63.44
25.158	25.158 (1.177)	111	655903			0.00- 92.45	40.14
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1639951	52.1714	52.171	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1048259			13.81- 113.81	63.92
25.296	25.296 (1.184)	111	647988			0.00- 89.91	39.51

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.517	25.517 (1.194)	91	2401274	52.4997	52.500	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	479140			0.00- 69.64	19.95
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1408444	49.7329	49.733	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	893096			12.74- 112.74	63.41
25.932	25.932 (1.213)	111	599139			0.00- 92.22	42.54
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	699679	42.7038	42.704	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	669786			44.18- 144.18	95.73
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	523600	35.4207	35.421	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	336632			12.36- 112.36	64.29
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.581)	43	972323	39.6208	39.621	80.00- 120.00	100.00
8.375	8.375 (0.581)	57	585611			7.26- 107.26	60.23
19 Butane					CAS #: 106-97-8		
6.771	6.771 (0.470)	58	129437	41.4247	41.425	80.00- 120.00	100.00
6.771	6.771 (0.470)	43	1237516			927.36-1027.36	956.08
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.918 (1.175)	83	1190563	55.6392	55.639	80.00- 120.00	100.00
16.919	16.946 (1.175)	98	504815			0.00- 92.87	42.40
16.919	16.918 (1.175)	55	1077792			45.27- 145.27	90.53
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1117933	36.9762	36.976	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	139674			0.00- 62.68	12.49

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7051506.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msd7.i/7-15may.b/t14q326d.m
Misc Info: 100ppbv-50ppbv

Calibration Date: 15-MAY-2007
Calibration Time: 09:27
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	218710	131226	306194	214867	-1.76
97 1,4-Difluorobenze	892714	535628	1249800	895604	0.32
126 Chlorobenzene-d5	731589	438953	1024225	710095	-2.94

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.43	14.10	14.76	14.40	-0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	0.00
126 Chlorobenzene-d5	21.37	21.04	21.70	21.37	0.00

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

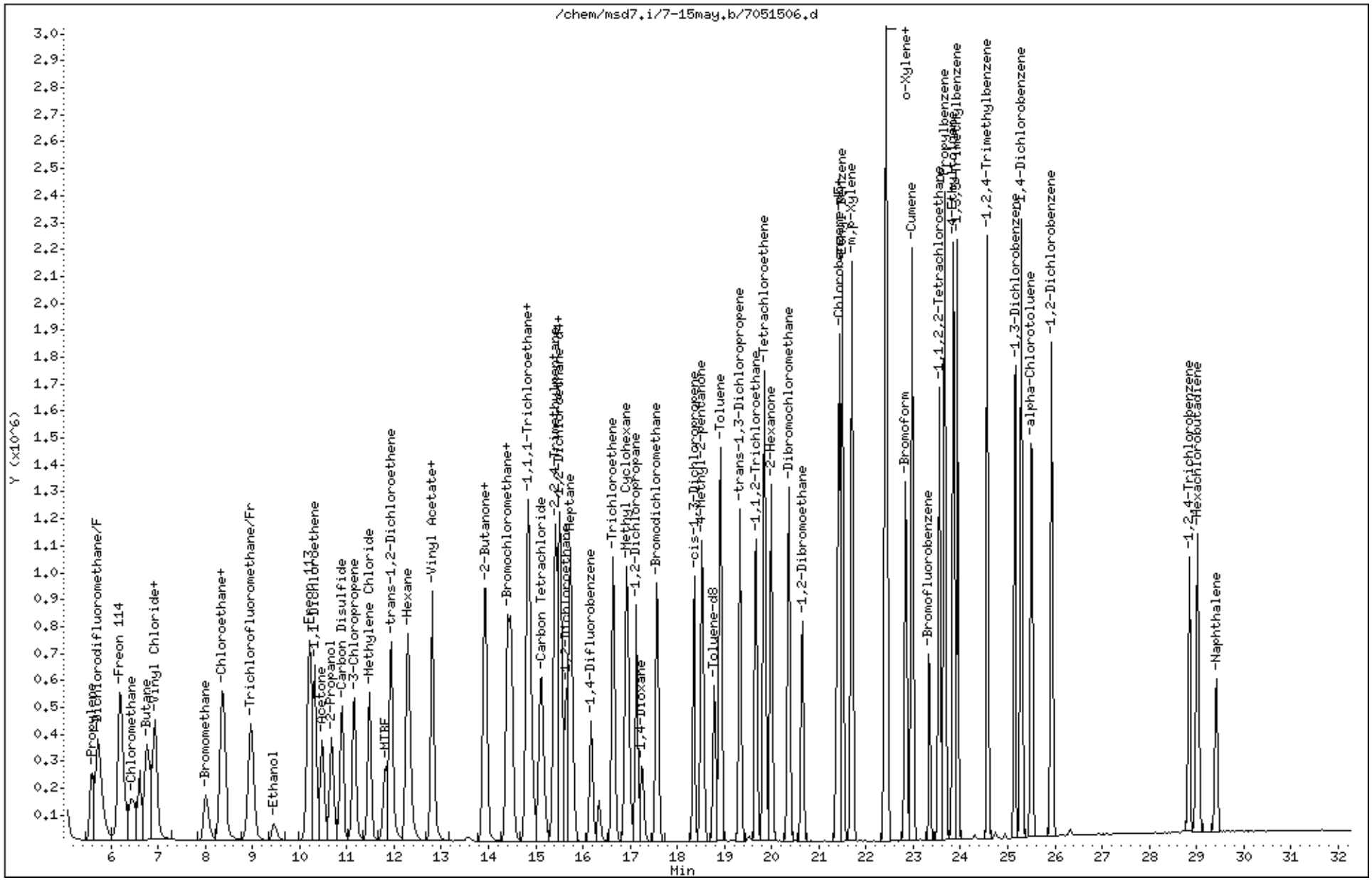
0222

Data File: /chem/msd7.i/7-15may.b/7051506.d
Date : 15-MAY-2007 12:23
Client ID: LCS-1
Sample Info: 100ml #1487-194A

Instrument: msd7.i

Operator: ea
Column diameter: 0.53

Column phase: RTx-624



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MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.85
75	30.0 – 60.0% of mass 95	48.01
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.38
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	76.05
175	5.0 – 9.0% of mass 174	(7.96)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(98.76)[1]
177	5.0 – 9.0% of mass 176	(6.35)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

Verify 176/174 m/z Ratio: 3388854 / 343125 X 100 = 98.76

BFB Injection Date: 5/15/07 (5 on 5/15/A)

BFB Injection Time: 0908

BFB File ID: 7051501

Tekmar Purge Flow: 22.9 ml/min

Vacuum: 4.5 X 10-5

IS/S Std.#:	1408-388 Exp. Date: 5/20/07
BCM	218710
1,4-DFB	802714
CB-d5	731589

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

NOAH Cart #: A **File #:** A

Calculation Check:

ppbv of compound $= \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(336425)}{(218710)} \times \frac{(25)}{(1.55953)} = 24.659$

Reported Result 24.659

File ID:	7051510
Compound:	1,2DCA-d4
Initials:	tA

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7051501	BFB TUNE CHECK	843-2917	50ng	2.0uL	1.00	tA	5/15/07	0908	tA	
2	/	02	CCV-1 (200ppbv)	14487-263	50ppbv	50ml		tA		0127	tA	
3	/	03	CCVSP (100ppbv)	14487-170A		100ml		tA		1007	tA	spikedccv
4	/	04	CCVSP (200ppbv)	1443-63		50ml		tD		1053	tA	spikeccv
5	/	05	CCVSP (400ppbv)	14487-182		50ml		tD		1135	tA	spikeccv
6	/	06	LCS (100ppbv)	14487-194A		100ml		tD		1223	tP	
7	/	07	LCSD (100ppbv)	↓	↓	↓		tP		1306	tA	
8	✓	08	Lab Blank	12941	Humid	100ml		tD		1409	KR	
9	✓	09	0705084-02A	14522	4.5"Hg-15psi	200ml	[illegible]	KR		1506	KR	

C Taylor
Signature

5-16-07
Date

0223

10	✓	7051510	0705084-03A	34653	3.5"Hg-15psi	2.0mL	.229	KR	5/15/07	1549	KR	↑Dup	
11	✓	11	-03AA	↓	↓	↓	↓	KR		1632	KR		
12	✓	12	-04A	14511	28.0"Hg-15psi	200mL	1.00	KR		1712	KR		
13	✓	13	0705127-01A	2189	3.5"Hg-15psi	2.0mL	.229	KR		1757	KR		
14	✓	14	0705109-01A	1576	6.5"Hg-5psi	200mL	1.71	KR		1840	KR		
15	✓	15	-02A	430	6.0"Hg-5psi	200mL	1.68	KR		1925	KR		
16	✓	16	0705126 A/B 01A	12381	6.5"Hg-15psi	200mL	2.58	KR		2014	KR		
17	✓	17	-02A	34090	6.0"Hg-15psi	200mL	2.53	KR		2056	KR		
18	✓	18	-03A	2105	5.0"Hg-15psi	200mL	2.42	KR		2135	KR		
19	✓	19	-04A	34575	5.0"Hg-15psi	200mL	2.42	KR		2214	KR		
20	✓	20	-05A	1482	7.0"Hg-15psi	200mL	2.64	KR		2253	AB/CT		
21	✓	21	-08A	31769	6.0"Hg-15psi	200mL	2.53	AB	↓	2356	AB/CT		
22	✓	22	-07A	34174	5.0"Hg-15psi	200mL	2.42	AB	5/16/07	0040	AB/CT		
23	✓	23	-06A	94417	6.0"Hg-15psi	200mL	2.53	AB		0136	AB/CT		
24	✓	24	-06AA	↓	↓	↓	2.53	AB		0226	AB/CT		
25	✓	25	0705086-01A	35677	5.5"Hg-15psi	200mL	2.47	AB		0319	AB/CT		
26	✓	26	-02A	9540	6.5"Hg-15psi	200mL	2.58	AB		0404	AB/CT		
27	✓	27	-03A	25608	↓	200mL	2.58	AB		0447	AB/CT		
28	✓	28	-03AA	↓	↓	200mL	2.58	AB		0531	AB/CT		
29	✓	29	0705087-01A	12721	8.0"Hg-5psi	200mL	1.83	AB		0610	AB/CT		
30	✓	30	0705110-01A	SC46	2.0"Hg-15psi	200mL	2.16	AB	↓	0753	AB/CT		
31	-												
32													

0224

KR 5/16/07

Comments:

C Taylor
Signature

5-16-07
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: /chem/msd7.i/7-26mar.b/7032604.d

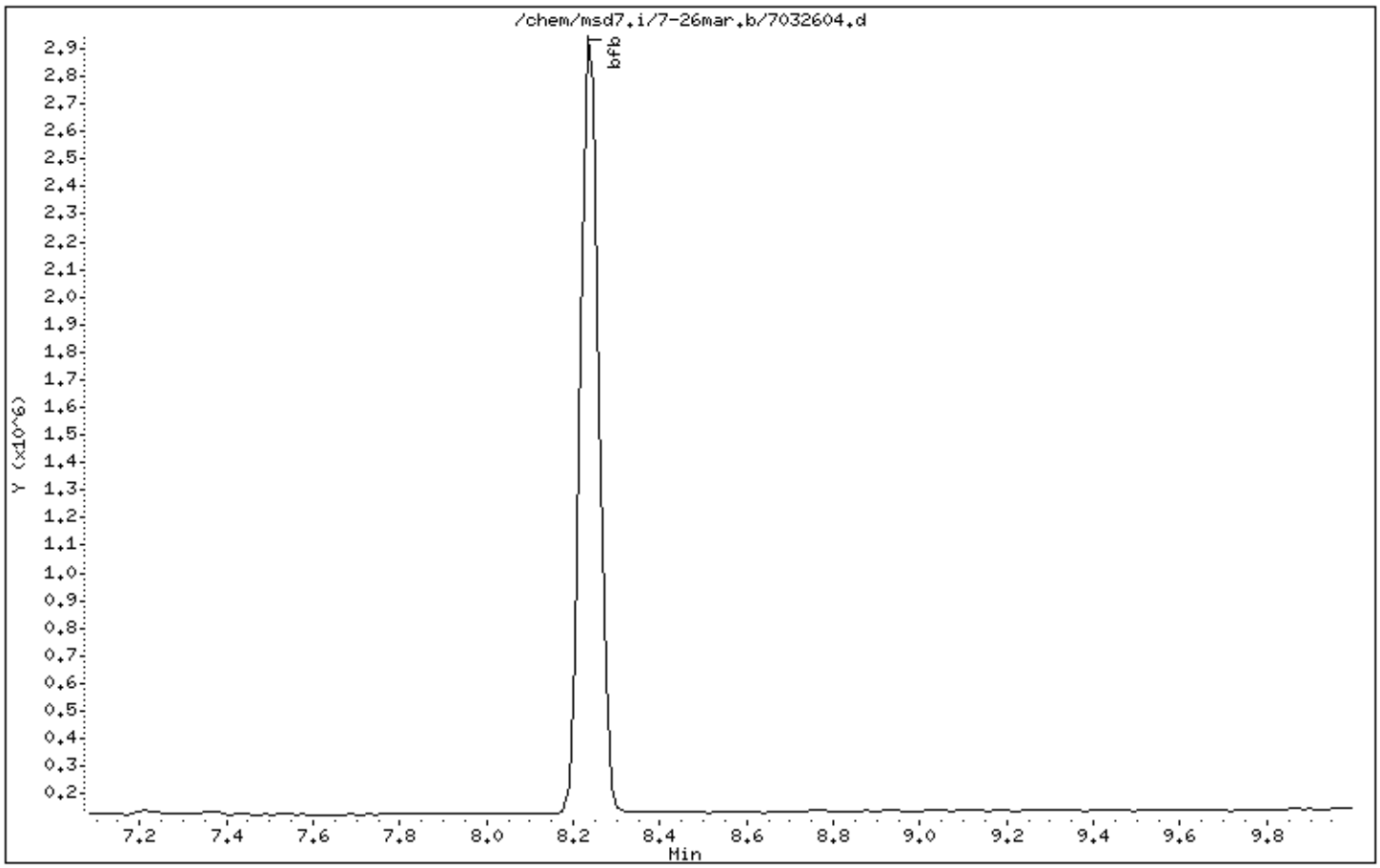
Date : 26-MAR-2007 10:52

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: /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

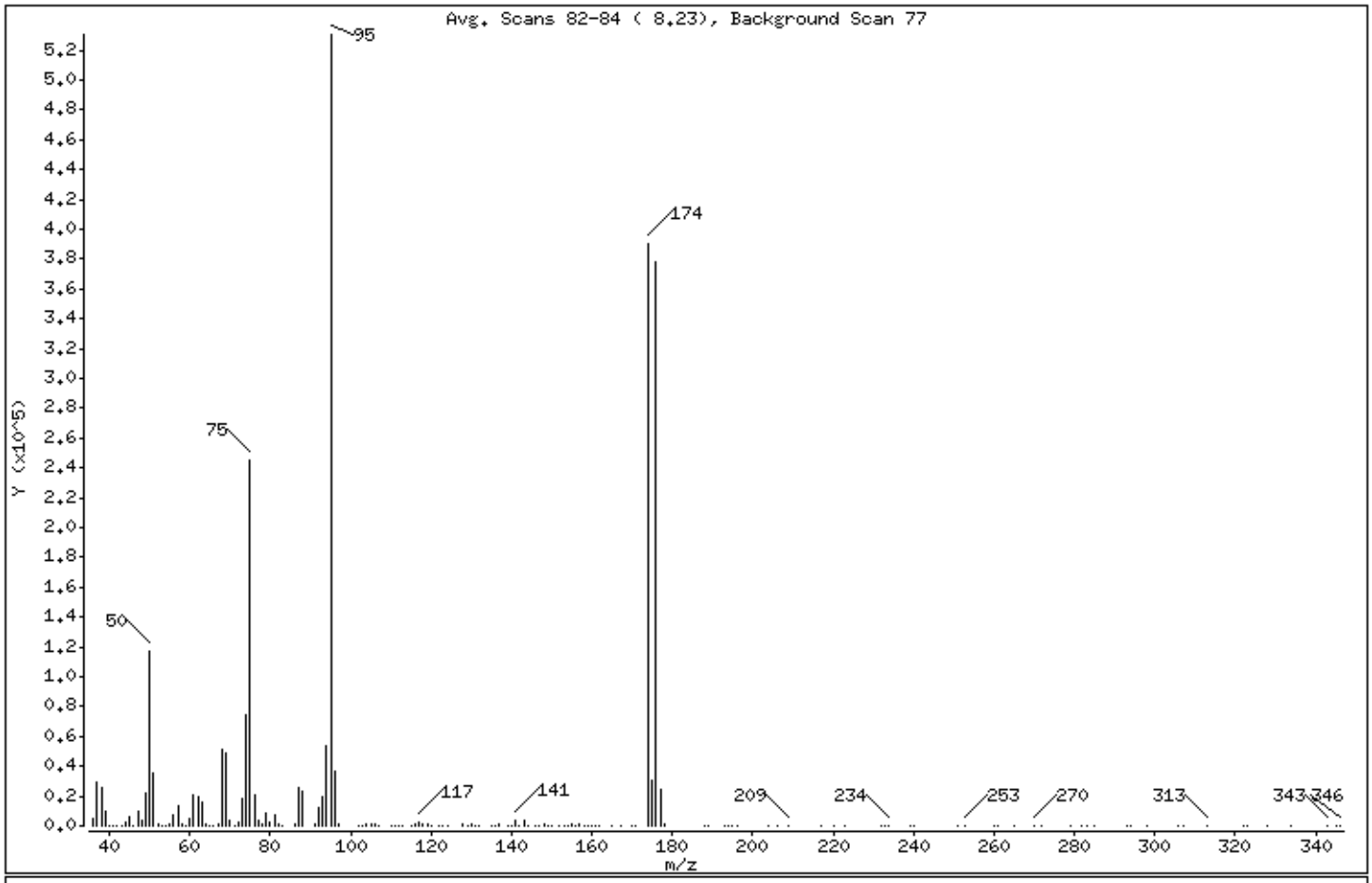
Volume Injected (uL): 2.0

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: /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/7-03apr.b/7040301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 03-APR-2007 08:29
Operator : ct Inst ID: msd7.i
Smp Info : 2uL #843-2917;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-03apr.b/bfb105.m
Meth Date : 03-Apr-2007 08:27 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	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	484821			100.00- 100.00	100.00
8.232	8.798	-0.566	50	108023			15.00- 40.00	22.28
8.232	8.798	-0.566	75	219528			30.00- 60.00	45.28
8.232	8.798	-0.566	96	32017			5.00- 9.00	6.60
8.232	8.798	-0.566	173	1332			0.00- 2.00	0.36
8.232	8.798	-0.566	174	374357			50.00- 100.00	77.22
8.232	8.798	-0.566	175	28400			5.00- 9.00	7.59
8.232	8.798	-0.566	176	365768			95.00- 101.00	97.71
8.232	8.798	-0.566	177	23029			5.00- 9.00	6.30

Data File: /var/chem/msd7.i/7-03apr.b/7040301.d

Page 1

Date : 03-APR-2007 08:29

Client ID: BFB

Instrument: msd7.i

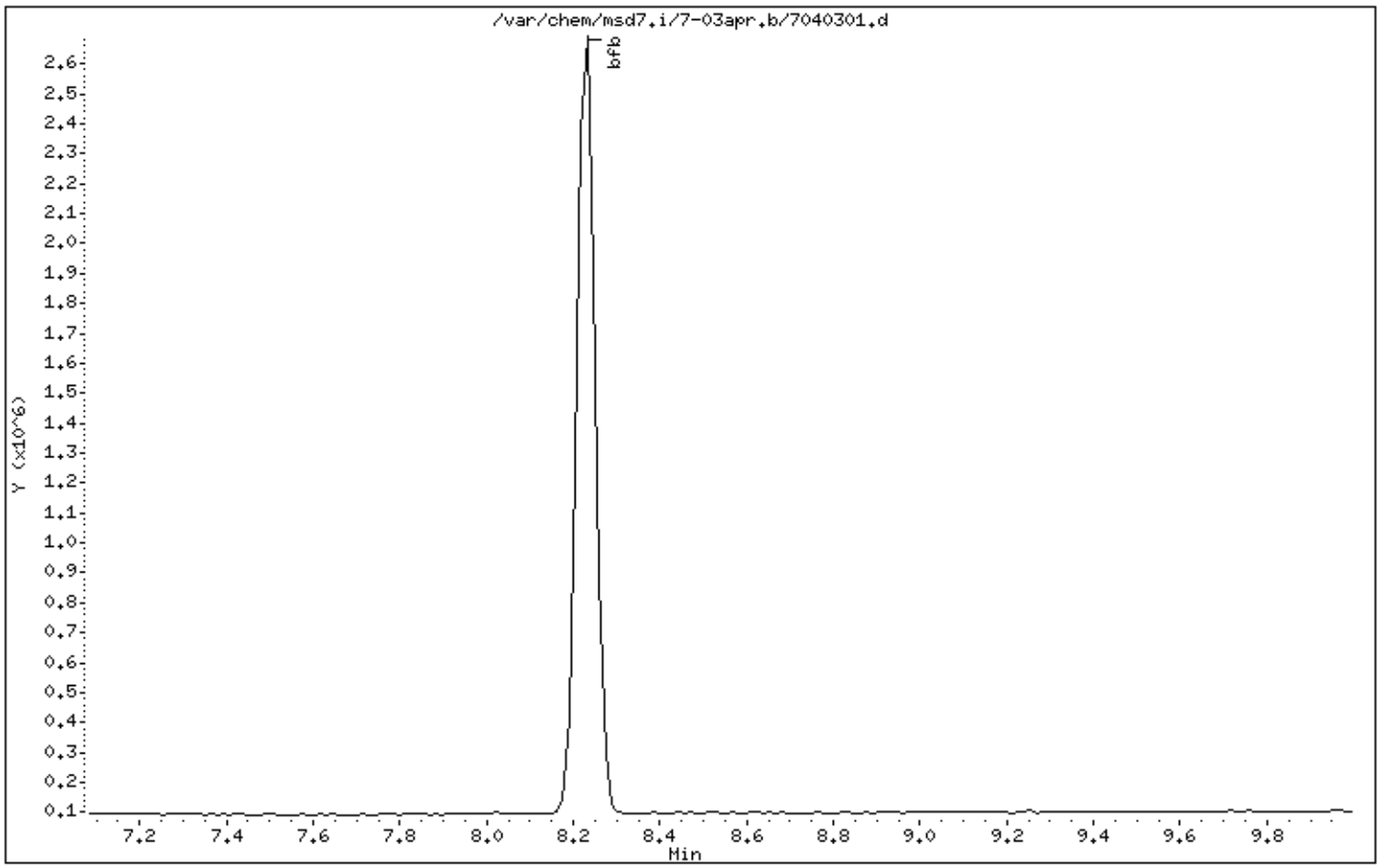
Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd7.i/7-03apr.b/7040301.d

Date : 03-APR-2007 08:29

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

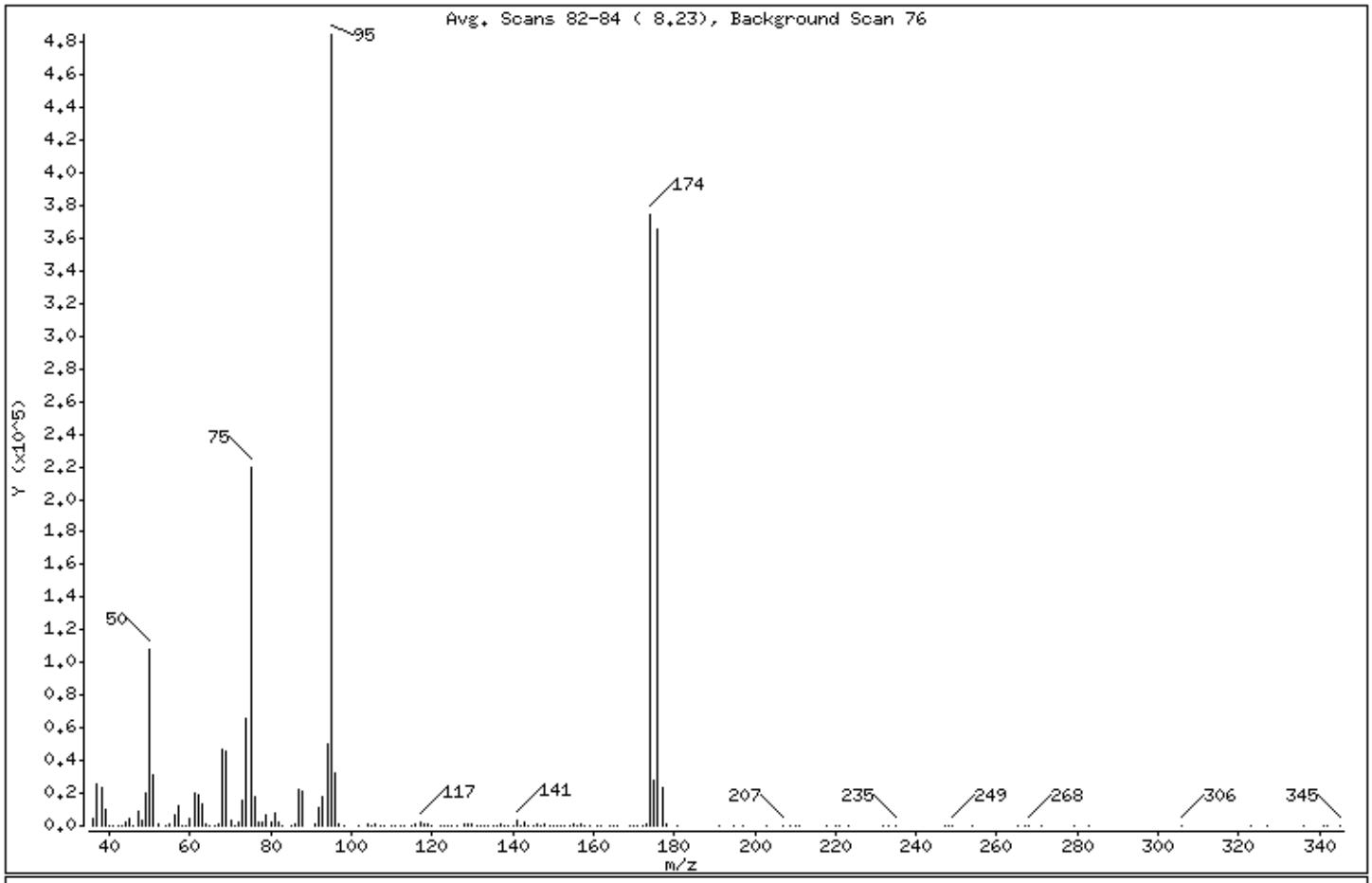
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.28
75	30.00 - 60.00% of mass 95	45.28
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.27 (0.36)
174	50.00 - 100.00% of mass 95	77.22
175	5.00 - 9.00% of mass 174	5.86 (7.59)
176	95.00 - 101.00% of mass 174	75.44 (97.71)
177	5.00 - 9.00% of mass 176	4.75 (6.30)

Date : 03-APR-2007 08:29

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7040301.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76
Location of Maximum: 95.00
Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4821	78.00	1911	130.00	1215	175.00	28400
37.00	25720	79.00	7204	131.00	414	176.00	365760
38.00	23280	80.00	2672	132.00	30	177.00	23024
39.00	9478	81.00	7257	133.00	72	178.00	573
40.00	182	82.00	2105	134.00	198	181.00	50
41.00	79	83.00	217	135.00	532	191.00	133
42.00	73	85.00	113	136.00	113	195.00	98
43.00	314	86.00	621	137.00	692	197.00	56
44.00	2368	87.00	22752	138.00	106	203.00	6
45.00	4934	88.00	21280	139.00	52	207.00	186
46.00	323	91.00	1092	140.00	238	209.00	59
47.00	8725	92.00	10926	141.00	2879	210.00	58
48.00	2894	93.00	17568	142.00	313	211.00	54
49.00	20232	94.00	49992	143.00	2718	218.00	12
50.00	108016	95.00	484800	144.00	225	220.00	57
51.00	31232	96.00	32016	145.00	402	221.00	81
52.00	1347	97.00	1385	146.00	745	223.00	123
54.00	63	98.00	173	147.00	451	232.00	71
55.00	1249	102.00	198	148.00	1032	233.00	6
56.00	6232	104.00	1264	149.00	476	235.00	125
57.00	12375	105.00	299	150.00	372	247.00	118
58.00	469	106.00	1247	151.00	68	248.00	70
59.00	67	107.00	380	152.00	86	249.00	163
60.00	3953	108.00	232	153.00	321	254.00	24
61.00	19608	110.00	170	154.00	274	265.00	130
62.00	18408	111.00	322	155.00	1124	267.00	19
63.00	13749	112.00	153	156.00	205	268.00	268
64.00	1309	113.00	350	157.00	848	271.00	84
65.00	201	115.00	311	158.00	51	279.00	50
66.00	73	116.00	900	159.00	457	283.00	82
67.00	1247	117.00	1961	161.00	134	306.00	15
68.00	46752	118.00	799	162.00	125	323.00	112
69.00	45872	119.00	1424	164.00	46	327.00	100
70.00	2947	120.00	254	165.00	21	336.00	56
71.00	108	122.00	59	166.00	53	341.00	87

Date : 03-APR-2007 08:29

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7040301.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76
Location of Maximum: 95.00
Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2088	123.00	191	169.00	115	342.00	76
73.00	15620	124.00	266	170.00	143	345.00	122
74.00	66016	125.00	51	171.00	136		
75.00	219520	126.00	59	172.00	169		
76.00	17864	128.00	1161	173.00	1332		
77.00	2744	129.00	803	174.00	374336		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-20apr.b/7042001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 20-APR-2007 08:13
Operator : ct Inst ID: msd7.i
Smp Info : 2uL #843-2917;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-20apr.b/bfb105.m
Meth Date : 20-Apr-2007 08:10 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	376341			100.00- 100.00	100.00
8.232	8.798	-0.566	50	86797			15.00- 40.00	23.06
8.232	8.798	-0.566	75	175778			30.00- 60.00	46.71
8.232	8.798	-0.566	96	24024			5.00- 9.00	6.38
8.232	8.798	-0.566	173	0			0.00- 2.00	0.00
8.232	8.798	-0.566	174	280213			50.00- 100.00	74.46
8.232	8.798	-0.566	175	21608			5.00- 9.00	7.71
8.232	8.798	-0.566	176	270220			95.00- 101.00	96.43
8.232	8.798	-0.566	177	17773			5.00- 9.00	6.58

Data File: /var/chem/msd7.i/7-20apr.b/7042001.d

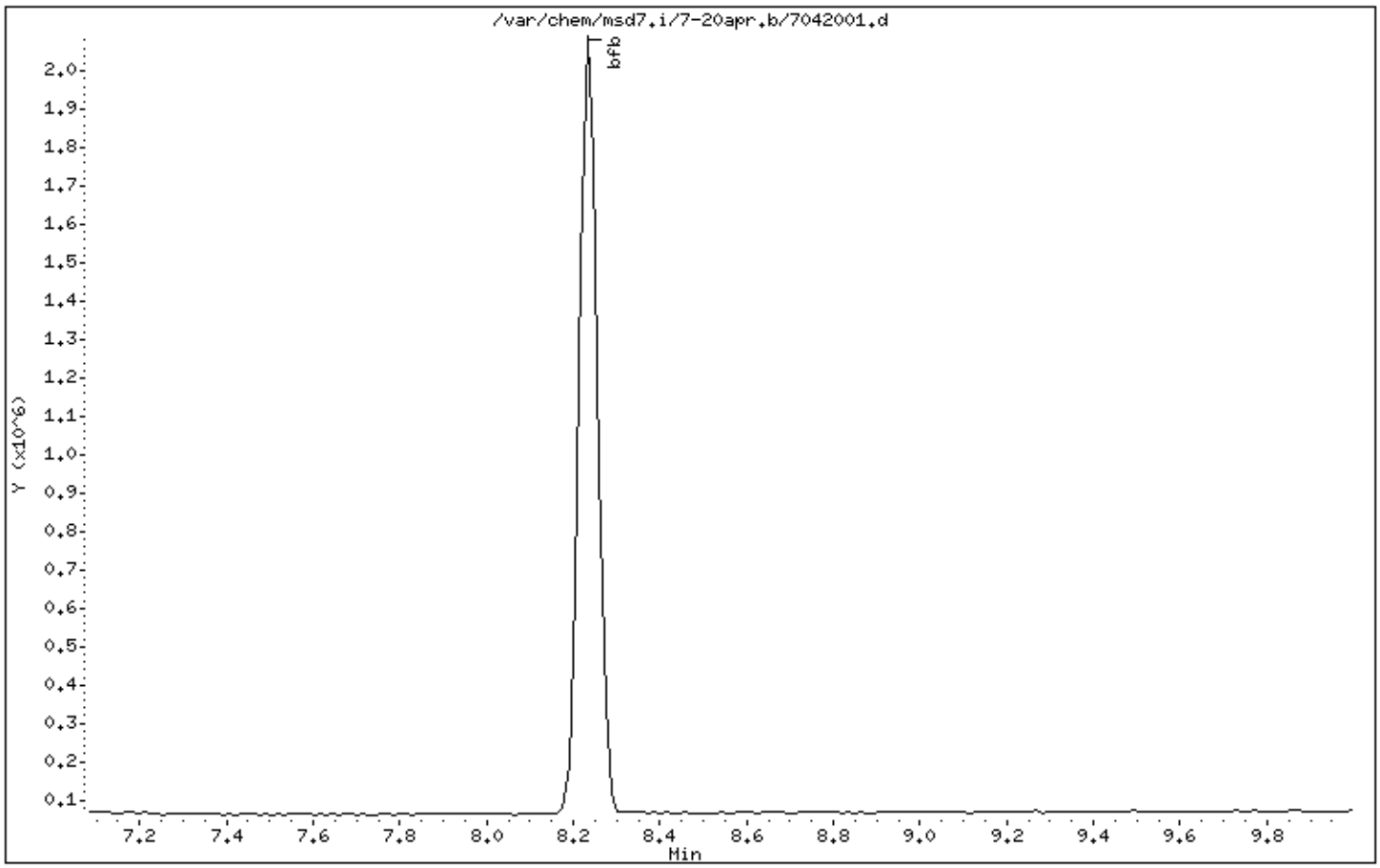
Date : 20-APR-2007 08:13

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53



Data File: /var/chem/msd7.i/7-20apr.b/7042001.d

Date : 20-APR-2007 08:13

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

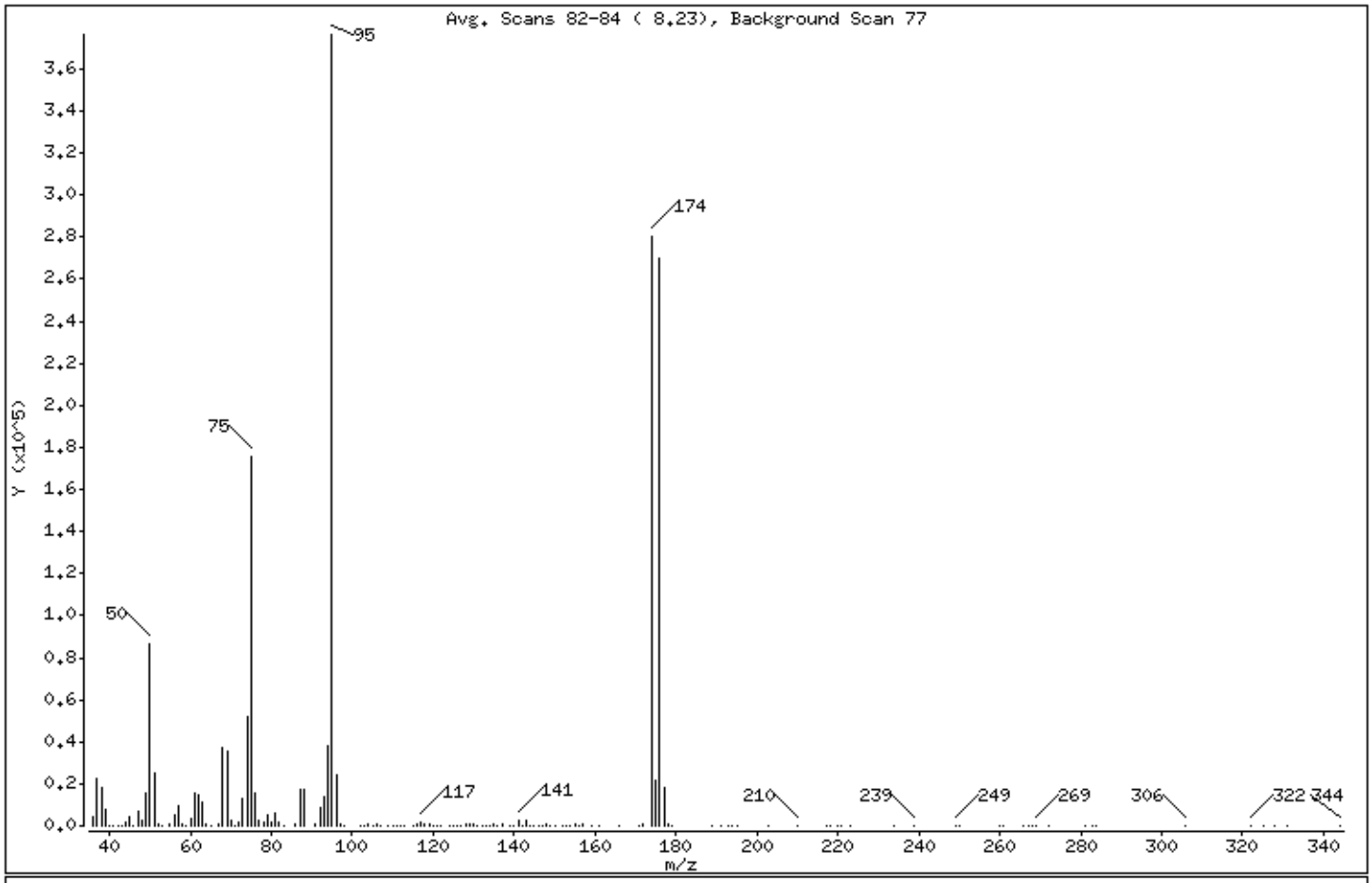
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.06
75	30.00 - 60.00% of mass 95	46.71
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.46
175	5.00 - 9.00% of mass 174	5.74 (7.71)
176	95.00 - 101.00% of mass 174	71.80 (96.43)
177	5.00 - 9.00% of mass 176	4.72 (6.58)

Date : 20-APR-2007 08:13

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7042001.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4003	76.00	15284	124.00	136	175.00	21608
37.00	22384	77.00	2169	125.00	207	176.00	270208
38.00	18512	78.00	1605	126.00	243	177.00	17768
39.00	7986	79.00	5484	127.00	201	178.00	692
40.00	371	80.00	2150	128.00	1036	179.00	30
41.00	32	81.00	5801	129.00	536	189.00	62
42.00	66	82.00	1373	130.00	945	191.00	229
43.00	173	83.00	154	131.00	273	193.00	83
44.00	2057	86.00	574	132.00	147	194.00	72
45.00	4025	87.00	17664	133.00	207	195.00	88
46.00	315	88.00	17192	134.00	84	203.00	141
47.00	7078	91.00	621	135.00	434	210.00	326
48.00	2412	92.00	8654	136.00	157	217.00	54
49.00	15976	93.00	13954	137.00	469	218.00	5
50.00	86792	94.00	38312	139.00	71	220.00	58
51.00	24792	95.00	376320	140.00	170	221.00	50
52.00	1069	96.00	24024	141.00	2405	223.00	8
53.00	56	97.00	1033	142.00	270	234.00	56
55.00	1007	98.00	134	143.00	2311	239.00	134
56.00	5153	102.00	125	144.00	69	249.00	203
57.00	9779	103.00	213	145.00	323	250.00	108
58.00	509	104.00	963	146.00	276	260.00	202
59.00	54	105.00	282	147.00	298	261.00	13
60.00	3642	106.00	992	148.00	798	266.00	149
61.00	15536	107.00	337	149.00	179	267.00	9
62.00	14758	109.00	103	150.00	289	268.00	116
63.00	11465	110.00	127	152.00	73	269.00	122
64.00	1099	111.00	245	153.00	291	272.00	54
65.00	195	112.00	176	154.00	216	281.00	81
67.00	864	113.00	174	155.00	868	283.00	45
68.00	36928	115.00	184	156.00	19	284.00	112
69.00	35224	116.00	867	157.00	690	306.00	119
70.00	2514	117.00	1370	159.00	258	322.00	196
71.00	78	118.00	895	161.00	292	325.00	50
72.00	1505	119.00	1080	166.00	66	328.00	137

Date : 20-APR-2007 08:13

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7042001.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	13157	120.00	116	171.00	222	331.00	76
74.00	52312	121.00	138	172.00	528	344.00	90
75.00	175744	122.00	62	174.00	280192		

Air Toxics Ltd.

Data file : /chem/msd7.i/7-30apr.b/7043001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 30-APR-2007 08:08
Operator : ct Inst ID: msd7.i
Smp Info : 2uL #843-2917;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-30apr.b/bfb105.m
Meth Date : 30-Apr-2007 08:05 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.232	8.798	-0.566	95	312533			100.00- 100.00	100.00
8.232	8.798	-0.566	50	70381			15.00- 40.00	22.52
8.232	8.798	-0.566	75	149609			30.00- 60.00	47.87
8.232	8.798	-0.566	96	20233			5.00- 9.00	6.47
8.232	8.798	-0.566	173	0			0.00- 2.00	0.00
8.232	8.798	-0.566	174	255338			50.00- 100.00	81.70
8.232	8.798	-0.566	175	19085			5.00- 9.00	7.47
8.232	8.798	-0.566	176	245568			95.00- 101.00	96.17
8.232	8.798	-0.566	177	16091			5.00- 9.00	6.55

Data File: /chem/msd7.i/7-30apr.b/7043001.d

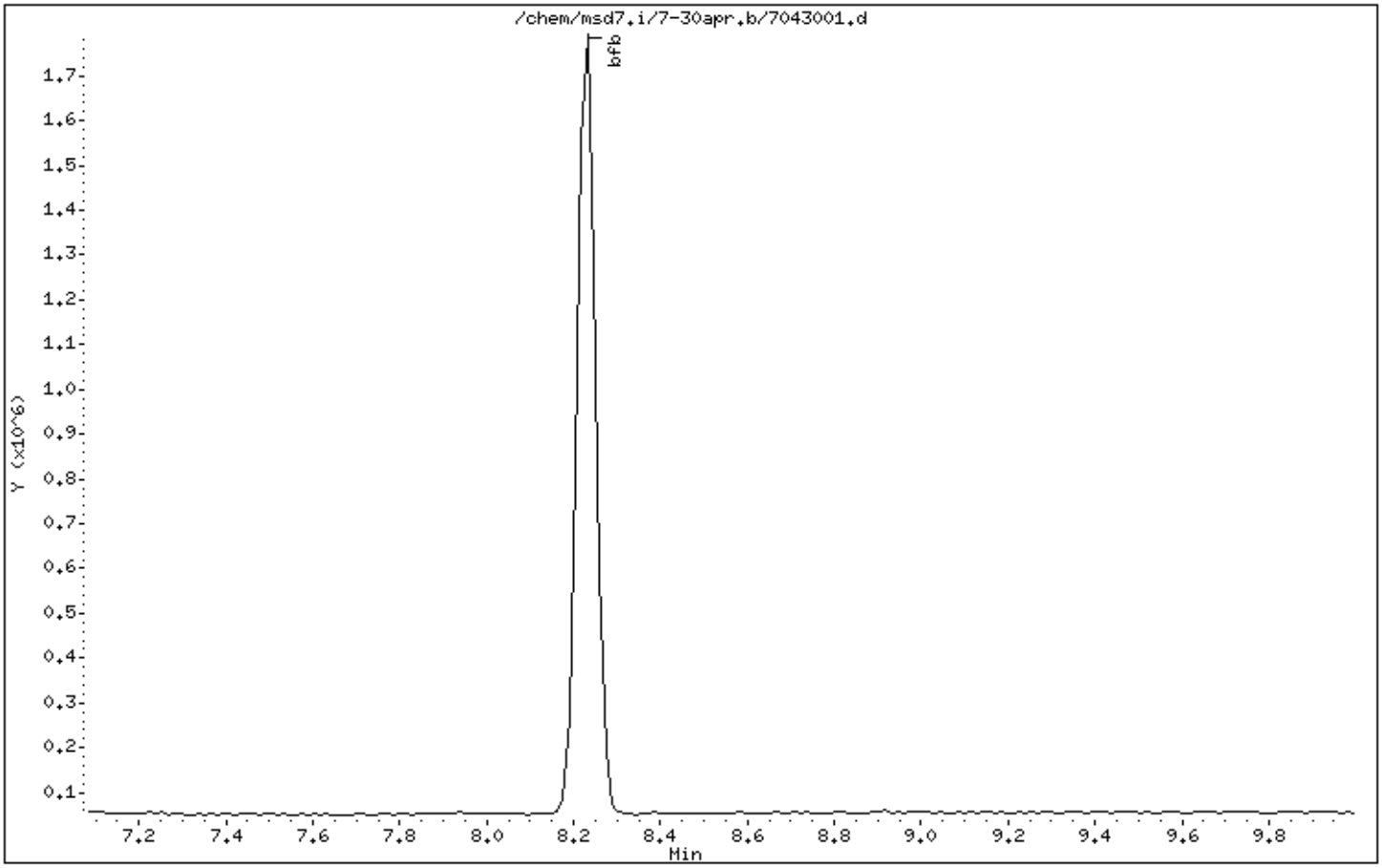
Date : 30-APR-2007 08:08

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53



Data File: /chem/msd7.i/7-30apr.b/7043001.d

Date : 30-APR-2007 08:08

Client ID: BFB

Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

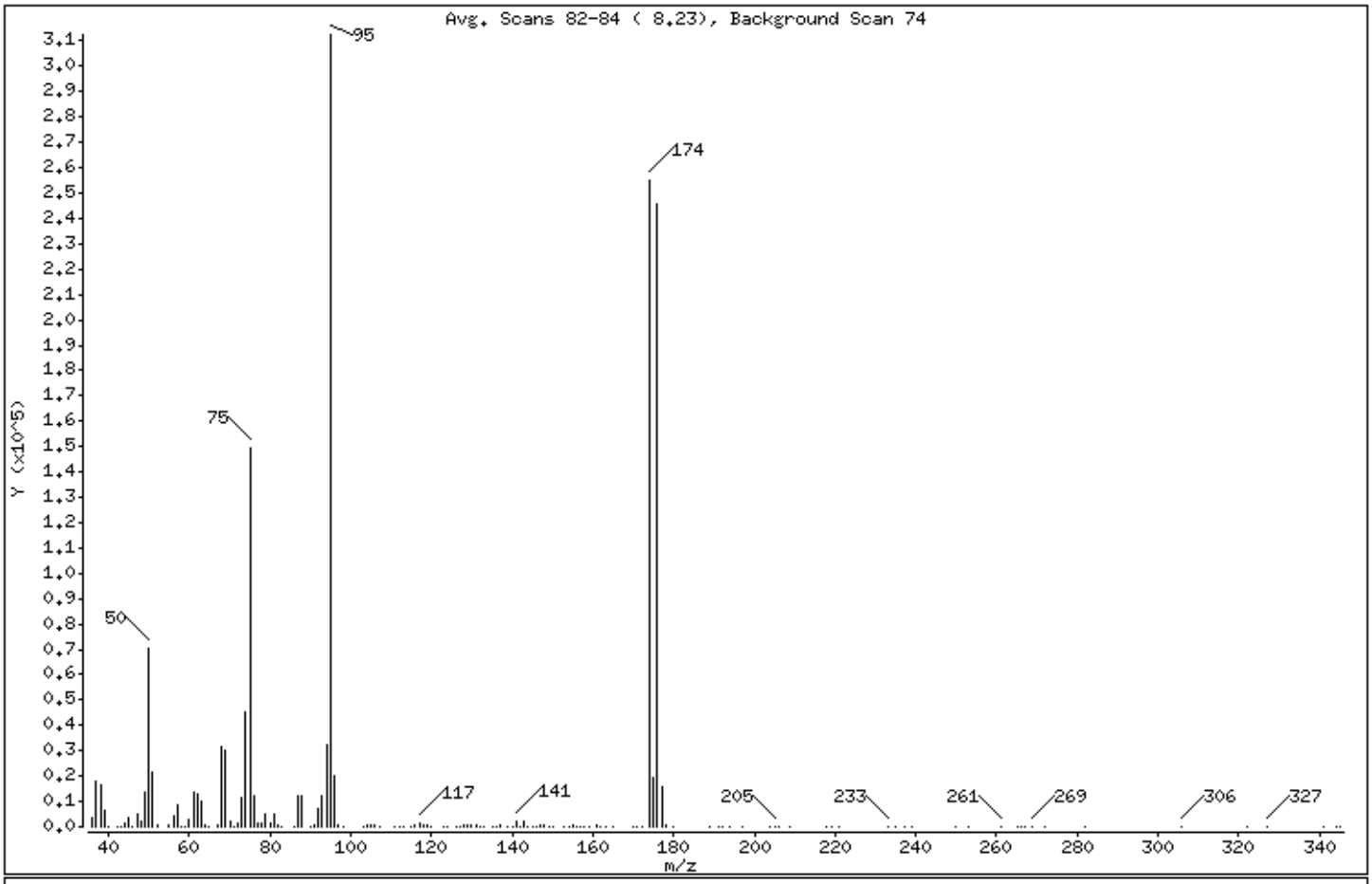
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.52
75	30.00 - 60.00% of mass 95	47.87
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	81.70
175	5.00 - 9.00% of mass 174	6.11 (7.47)
176	95.00 - 101.00% of mass 174	78.57 (96.17)
177	5.00 - 9.00% of mass 176	5.15 (6.55)

Date : 30-APR-2007 08:08

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7043001.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 74
Location of Maximum: 95.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3473	77.00	1683	128.00	897	176.00	245568
37.00	18152	78.00	1132	129.00	470	177.00	16091
38.00	16220	79.00	4988	130.00	984	178.00	614
39.00	6551	80.00	1684	131.00	451	180.00	51
40.00	296	81.00	5176	132.00	51	189.00	161
42.00	157	82.00	975	133.00	239	191.00	192
43.00	75	83.00	51	135.00	211	192.00	40
44.00	1452	86.00	147	136.00	133	194.00	25
45.00	3599	87.00	12258	137.00	436	197.00	58
46.00	126	88.00	12552	139.00	63	204.00	52
47.00	4852	90.00	57	140.00	160	205.00	215
48.00	2025	91.00	460	141.00	2216	206.00	106
49.00	13907	92.00	7302	142.00	232	209.00	71
50.00	70376	93.00	12228	143.00	2026	218.00	36
51.00	21352	94.00	32584	144.00	128	219.00	159
52.00	918	95.00	312512	145.00	67	221.00	51
55.00	767	96.00	20232	146.00	155	233.00	161
56.00	4146	97.00	602	147.00	415	235.00	55
57.00	8715	98.00	65	148.00	778	237.00	53
58.00	298	103.00	149	149.00	255	239.00	134
59.00	151	104.00	1070	150.00	236	250.00	115
60.00	2769	105.00	568	153.00	243	253.00	65
61.00	13506	106.00	878	154.00	174	261.00	302
62.00	12841	107.00	255	155.00	698	265.00	42
63.00	10103	111.00	63	156.00	35	266.00	67
64.00	978	112.00	50	157.00	331	267.00	114
65.00	72	113.00	77	158.00	123	269.00	212
67.00	843	115.00	150	159.00	307	272.00	128
68.00	31576	116.00	814	161.00	518	282.00	79
69.00	29824	117.00	1416	162.00	71	306.00	54
70.00	2232	118.00	594	163.00	188	322.00	69
71.00	181	119.00	780	165.00	27	327.00	180
72.00	1574	120.00	54	170.00	148	341.00	57
73.00	11496	123.00	50	171.00	187	344.00	4
74.00	44928	124.00	72	172.00	258	345.00	160

Date : 30-APR-2007 08:08

Client ID: BFB Instrument: msd7.i

Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 7043001.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 74
Location of Maximum: 95.00
Number of points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	149568	126.00	185	174.00	255296		
76.00	12066	127.00	79	175.00	19080		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-15may.b/7051501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 15-MAY-2007 09:08
Operator : ea Inst ID: msd7.i
Smp Info : #843-2917;bfb tune check;bfb tune check
Misc Info : 2.0uL-50ng
Comment :
Method : /var/chem/msd7.i/7-15may.b/bfb105.m
Meth Date : 15-May-2007 09:04 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		
8.218	8.232	-0.014	95	451200			100.00- 100.00	100.00
8.218	8.232	-0.014	50	103104			15.00- 40.00	22.85
8.218	8.232	-0.014	75	216602			30.00- 60.00	48.01
8.218	8.232	-0.014	96	28765			5.00- 9.00	6.38
8.218	8.232	-0.014	173	0			0.00- 2.00	0.00
8.218	8.232	-0.014	174	343125			50.00- 100.00	76.05
8.218	8.232	-0.014	175	27309			5.00- 9.00	7.96
8.218	8.232	-0.014	176	338854			95.00- 101.00	98.76
8.218	8.232	-0.014	177	21519			5.00- 9.00	6.35

Data File: /chem/msd7.i/7-15may.b/7051501.d

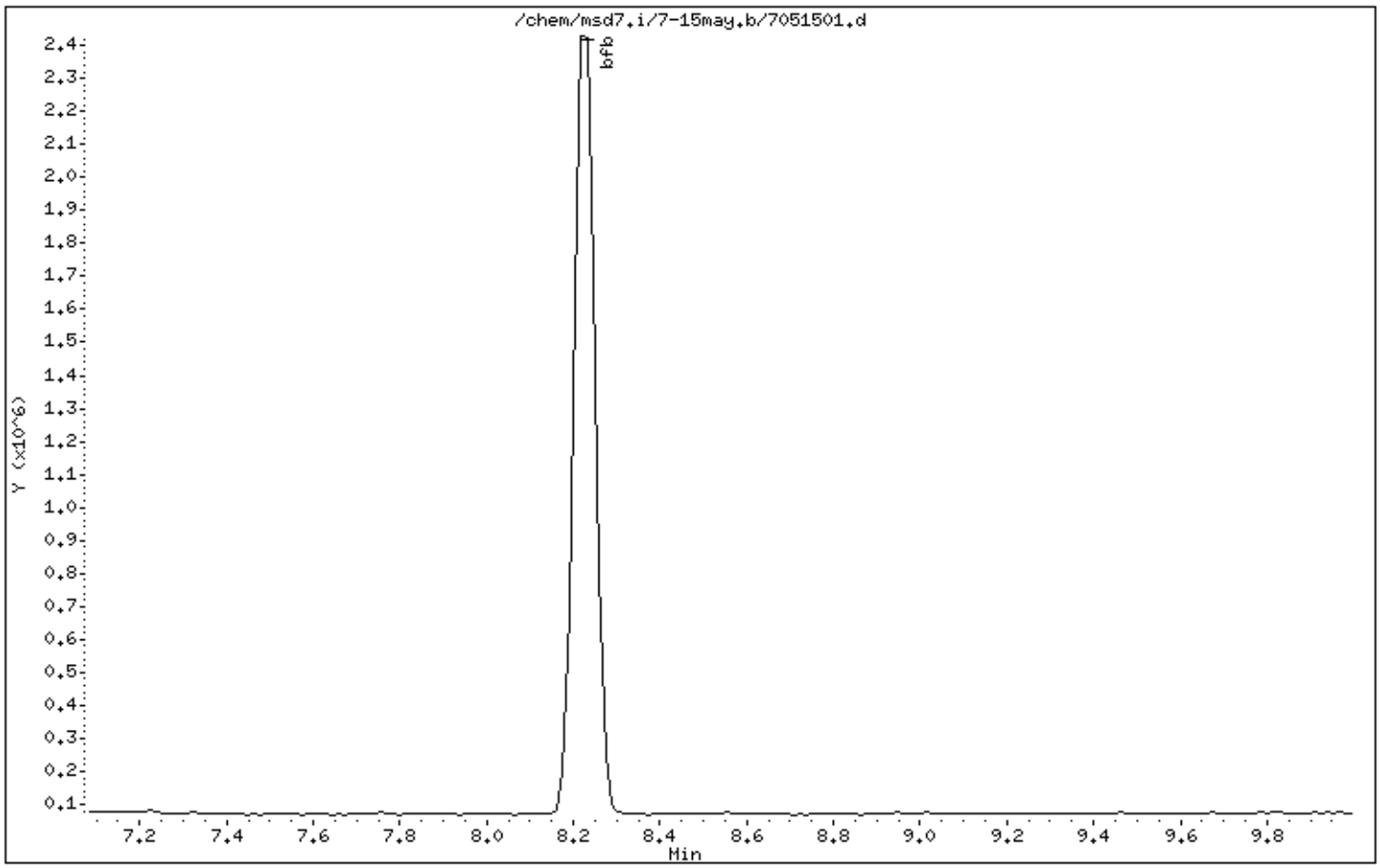
Date : 15-MAY-2007 09:08

Client ID: BFB Instrument: msd7.i

Sample Info: #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0 Operator: ea

Column phase: Column diameter: 0.53



Data File: /chem/msd7.i/7-15may.b/7051501.d

Date : 15-MAY-2007 09:08

Client ID: BFB

Instrument: msd7.i

Sample Info: #843-2917;bfb tune check;bfb tune check

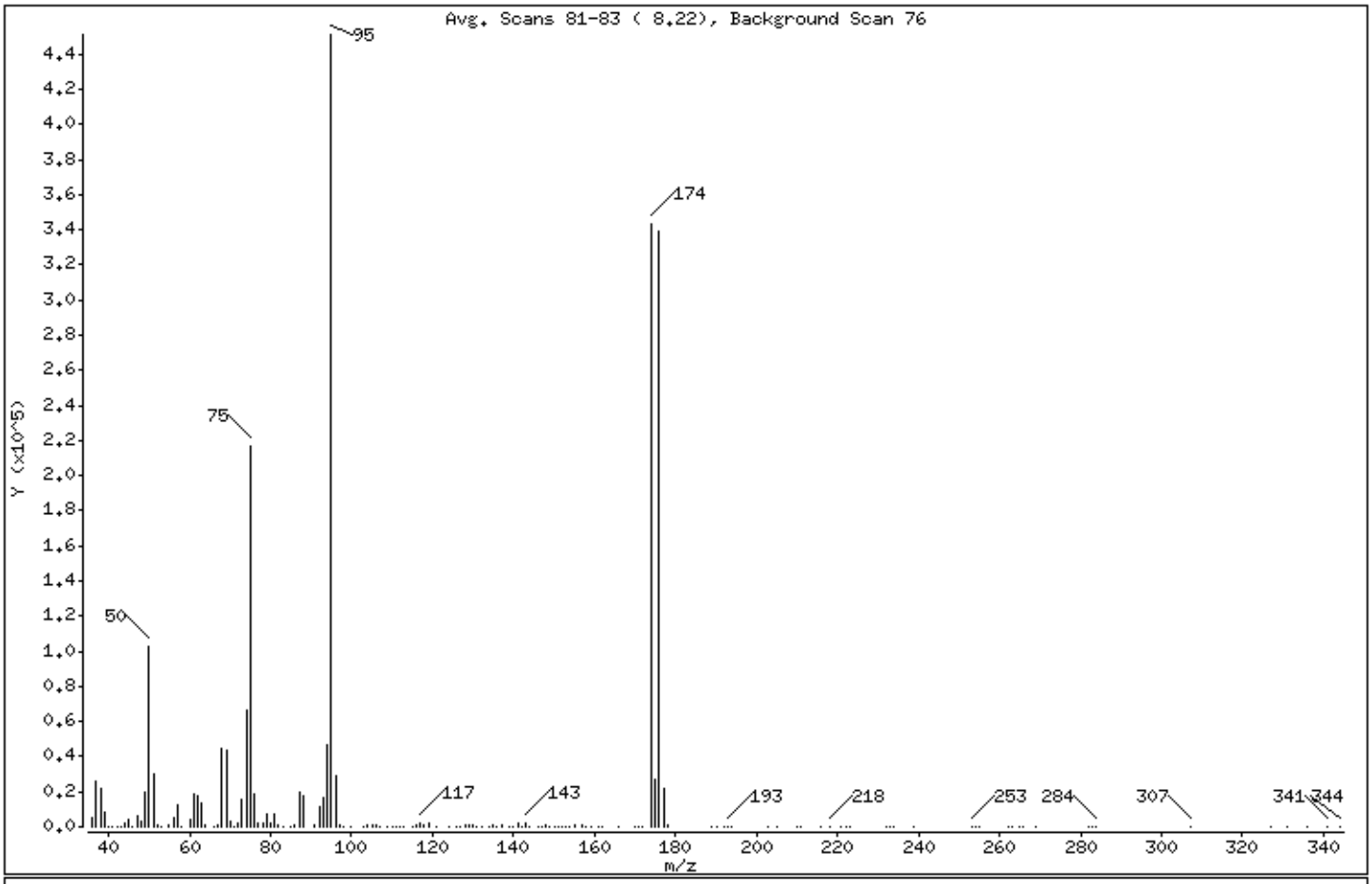
Volume Injected (uL): 2.0

Operator: ea

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	22.85
75	30.00 - 60.00% of mass 95	48.01
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.05
175	5.00 - 9.00% of mass 174	6.05 (7.96)
176	95.00 - 101.00% of mass 174	75.10 (98.76)
177	5.00 - 9.00% of mass 176	4.77 (6.35)

Date : 15-MAY-2007 09:08

Client ID: BFB Instrument: msd7.i

Sample Info: #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0 Operator: ea

Column phase: Column diameter: 0.53

Data File: 7051501.d
Spectrum: Avg. Scans 81-83 (8.22), Background Scan 76
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4707	77.00	2500	127.00	51	177.00	21512
37.00	25464	78.00	1839	128.00	1143	178.00	817
38.00	21816	79.00	6774	129.00	617	189.00	112
39.00	8545	80.00	2421	130.00	1424	190.00	52
40.00	279	81.00	7092	131.00	412	192.00	93
41.00	7	82.00	1307	132.00	158	193.00	388
42.00	98	83.00	158	134.00	86	194.00	33
43.00	248	85.00	53	135.00	614	203.00	180
44.00	2178	86.00	551	136.00	294	205.00	93
45.00	4483	87.00	19760	137.00	705	210.00	174
46.00	350	88.00	17664	139.00	199	211.00	52
47.00	6593	91.00	1274	140.00	155	216.00	55
48.00	2674	92.00	10903	141.00	2545	218.00	181
49.00	19392	93.00	16648	142.00	396	221.00	140
50.00	103104	94.00	46576	143.00	2591	222.00	85
51.00	29648	95.00	451200	144.00	166	223.00	57
52.00	1379	96.00	28760	146.00	516	232.00	107
53.00	119	97.00	700	147.00	188	233.00	75
55.00	1222	98.00	68	148.00	864	234.00	118
56.00	5655	100.00	51	149.00	83	239.00	168
57.00	12098	103.00	55	150.00	473	253.00	222
58.00	514	104.00	1362	151.00	119	254.00	76
60.00	3677	105.00	568	152.00	192	255.00	79
61.00	18960	106.00	1266	153.00	361	262.00	81
62.00	17800	107.00	327	154.00	276	263.00	53
63.00	13701	109.00	166	155.00	1086	265.00	111
64.00	1270	110.00	53	157.00	868	266.00	57
66.00	66	111.00	201	158.00	119	269.00	46
67.00	1061	112.00	145	159.00	383	282.00	84
68.00	44648	113.00	192	161.00	489	283.00	79
69.00	43512	115.00	264	162.00	50	284.00	122
70.00	3046	116.00	882	166.00	111	307.00	52
71.00	139	117.00	2060	170.00	131	327.00	8
72.00	1897	118.00	694	171.00	329	331.00	58
73.00	16059	119.00	1615	172.00	487	336.00	56

Data File: /chem/msd7.i/7-15may.b/7051501.d

Date : 15-MAY-2007 09:08

Client ID: BFB

Instrument: msd7.i

Sample Info: #843-2917;bfb tune check;bfb tune check

Volume Injected (uL): 2.0

Operator: ea

Column phase:

Column diameter: 0.53

Data File: 7051501.d
Spectrum: Avg. Scans 81-83 (8.22), Background Scan 76
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	66304	121.00	70	174.00	343104	341.00	115
75.00	216576	124.00	231	175.00	27304	344.00	114
76.00	18224	126.00	77	176.00	338816		

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 #: 0705109
# of pages (Including Cover): 1

5/22/2007

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 **Alicia Sullivan at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

0252

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.

Page ____ of ____

Contact Person: Anthony Farrisi
Company: GEI Consultants Email: _____
Address: 455 Windsor Road, Suite 201 City: Glastonbury State: CT Zip: 06033
Phone: 860-368-5300 Fax: 860-368-5307
Collected by: (Signature) _____

Project Info:
P.O. #: _____
Project #: 061140-8-1703
Project Name: Bayshore Barrier wall installation

Turn Around Time:
☒ Normal
☐ Rush
_____ specify

Lab Use Only
Pressurized by: VKR
Date: 5/4/07
Pressurization Gas: (N_2) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	AMS 3 - DW	00553	5/3/07	0715-1515	TO-15 + Naphthalene	-30 in Hg	-8.5 in Hg	6.5 in Hg	5.9 psi
02A	AMS 6 - UW	430	5/3/07	0715-1515	TO-15 + Naphthalene	-30 in Hg	-8 in Hg	6.0 in Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
[signature]	5/3/07 1530	T. Lafleur-ATL	5/4/07 0900	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8595 2431 9067	NA	Good	Yes No (None)	0705109

Form 1293 rev.10

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0705109

Client

Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Phone

860-368-5300

Fax

860-368-5307

Sales Rep: ANS

Date Promised: 05/18/07
Date Completed: 5/17/07
Date Received: 5/4/07
PO#: NR
Project#: 061140-8-1703 Bayshore Barrier wall installation
Total $: $ 624.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS 3-DW	Modified TO-15	5/3/2007	6.5 "Hg	$225.00
02A	AMS 6-UW	Modified TO-15	5/3/2007	6.0 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

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

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

BILL TO: Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

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

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.

DATA REVIEW CHECKLIST

Work Order #: 0705109

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	☐	☐	☐	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)
	☑	☐	☐	☐	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 (72hr)
	☑	☐			Retention times have been verified
☐	☑	☐		☐	Appropriate ICAL(s) included
	☑	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data

☐	☑	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☐	☑	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
	☑	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐			TICs resemble reference spectra
	NA	☐			TICs between duplicate samples are consistent
AA	☐	☐	☑		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)
	NA	☐	☑		TPH/NMOC (verify calculations and correct reference compound used)
	☑				Chain of Custody scanned correctly
		☐			Verify sample id's vs. chain of custody
☐	☑				Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☑				Final pressure consistent with canister size (6L vs. 1L)
☐	☐				Verify receipt pressures against logbook and Target
☑	☑				Verify canister ID #'s
	NA		☑		Extra printed copies are provided per client profile
	☑		☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	NA	☐	☑	☐	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: HCB ↓ in ccv ; put in LCS

Strict 14day hold

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
AA 5/17/07	R: [illegible] 5/17/07	[illegible] 5/17/07	
	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Rev 08/29/05

Not Applicable