
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 #: 0705584

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	45
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	46	53
b. Surrogate Recover Summary Form (If Applicable)	54	54
c. Internal Standard Summary Form (If Applicable)	55	55
d. Duplicate Results Summary Sheet	--	--
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	56	182
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	183	196
i. Second Source LCS(Summary + Raw Data)	197	202
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	203	204
l. GC/MS Tune (Results + Raw Data)	205	224
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	225	226
b. Chain-of-Custody Records	227	227
c. Sample Log-In Sheet	228	228
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	229	229
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	--	--
c. Manual Calculations	--	--
d. Canister Dilution Factors	230	232
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	233	234
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	235	235

Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	6/14/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0705584

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 Bay Shore Southern Cell
DATE RECEIVED:	05/29/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	06/06/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	AMS6 Upwind	Modified TO-15	0.0 "Hg
02A	AMS2 Downwind	Modified TO-15	7.5 "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: 06/08/07

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# 0705584

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

The Chain of Custody (COC) information for samples AMS6 Upwind and AMS2 Downwind did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction 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
AMS6 Upwind	0705584-01A	5/24/2007	5/29/2007	NA	11	6/ 4/2007	NA	Good
AMS2 Downwind	0705584-02A	5/24/2007	5/29/2007	NA	11	6/ 4/2007	NA	Good
Lab Blank	0705584-03A	NA	NA	NA	NA	6/ 3/2007	NA	Good
CCV	0705584-04A	NA	NA	NA	NA	6/ 3/2007	NA	Good
LCS	0705584-05A	NA	NA	NA	NA	6/ 3/2007	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: AMS6 Upwind

Lab ID#: 0705584-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.67	1.2	3.3	5.8
Methylene Chloride	0.67	3.5	2.3	12
Benzene	0.67	0.74	2.1	2.4
Toluene	0.67	150	2.5	560
Ethyl Benzene	0.67	1.9	2.9	8.2
m,p-Xylene	0.67	2.4	2.9	10
o-Xylene	0.67	0.91	2.9	3.9
Styrene	0.67	0.82	2.8	3.5
1,2,4-Trimethylbenzene	0.67	0.78	3.3	3.8
Hexane	0.67	2.9	2.4	10
Cyclohexane	0.67	1.2	2.3	4.3
Heptane	0.67	0.89	2.7	3.6
Acetone	2.7	17	6.4	41
Carbon Disulfide	0.67	0.99	2.1	3.1
2-Propanol	2.7	9.4	6.6	23
2-Butanone (Methyl Ethyl Ketone)	0.67	8.3	2.0	24
4-Ethyltoluene	0.67	0.82	3.3	4.0
Ethanol	2.7	5.7	5.0	11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS6 Upwind

Lab ID#: 0705584-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060322**	**Date of Collection:**	**5/24/07**
Dil. Factor:	**1.34**	**Date of Analysis:**	**6/4/07 12:05 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.67	1.2	3.3	5.8
Freon 114	0.67	Not Detected	4.7	Not Detected
Vinyl Chloride	0.67	Not Detected	1.7	Not Detected
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	Not Detected	1.8	Not Detected
Freon 11	0.67	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Freon 113	0.67	Not Detected	5.1	Not Detected
Methylene Chloride	0.67	3.5	2.3	12
1,1-Dichloroethane	0.67	Not Detected	2.7	Not Detected
cis-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Chloroform	0.67	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Carbon Tetrachloride	0.67	Not Detected	4.2	Not Detected
Benzene	0.67	0.74	2.1	2.4
1,2-Dichloroethane	0.67	Not Detected	2.7	Not Detected
Trichloroethene	0.67	Not Detected	3.6	Not Detected
1,2-Dichloropropane	0.67	Not Detected	3.1	Not Detected
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	150	2.5	560
trans-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Tetrachloroethene	0.67	Not Detected	4.5	Not Detected
1,2-Dibromoethane (EDB)	0.67	Not Detected	5.1	Not Detected
Chlorobenzene	0.67	Not Detected	3.1	Not Detected
Ethyl Benzene	0.67	1.9	2.9	8.2
m,p-Xylene	0.67	2.4	2.9	10
o-Xylene	0.67	0.91	2.9	3.9
Styrene	0.67	0.82	2.8	3.5
1,1,2,2-Tetrachloroethane	0.67	Not Detected	4.6	Not Detected
1,3,5-Trimethylbenzene	0.67	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.67	0.78	3.3	3.8
1,3-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.67	Not Detected	3.5	Not Detected
1,2-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
1,3-Butadiene	0.67	Not Detected	1.5	Not Detected
Hexane	0.67	2.9	2.4	10
Cyclohexane	0.67	1.2	2.3	4.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS6 Upwind

Lab ID#: 0705584-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060322**	**Date of Collection: 5/24/07**	
Dil. Factor:	**1.34**	**Date of Analysis: 6/4/07 12:05 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.67	0.89	2.7	3.6
Bromodichloromethane	0.67	Not Detected	4.5	Not Detected
Dibromochloromethane	0.67	Not Detected	5.7	Not Detected
Cumene	0.67	Not Detected	3.3	Not Detected
Propylbenzene	0.67	Not Detected	3.3	Not Detected
Chloromethane	2.7	Not Detected	5.5	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected	20	Not Detected
Hexachlorobutadiene	2.7	Not Detected	28	Not Detected
Acetone	2.7	17	6.4	41
Carbon Disulfide	0.67	0.99	2.1	3.1
2-Propanol	2.7	9.4	6.6	23
trans-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.67	8.3	2.0	24
Tetrahydrofuran	0.67	Not Detected	2.0	Not Detected
1,4-Dioxane	2.7	Not Detected	9.6	Not Detected
4-Methyl-2-pentanone	0.67	Not Detected	2.7	Not Detected
2-Hexanone	2.7	Not Detected	11	Not Detected
Bromoform	0.67	Not Detected	6.9	Not Detected
4-Ethyltoluene	0.67	0.82	3.3	4.0
Ethanol	2.7	5.7	5.0	11
Methyl tert-butyl ether	0.67	Not Detected	2.4	Not Detected
3-Chloropropene	2.7	Not Detected	8.4	Not Detected
2,2,4-Trimethylpentane	0.67	Not Detected	3.1	Not Detected
Naphthalene	2.7	Not Detected	14	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03jun.b/7060322.d
Lab Smp Id: 0705584-01A
Inj Date : 04-JUN-2007 00:05
Operator : ab Inst ID: msd7.i
Smp Info : 200ml #33908
Misc Info : 0.0"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-03jun.b/t14q524b.m
Meth Date : 05-Jun-2007 08:49 cleonard Quant Type: ISTD
Cal Date : 30-MAY-2007 11:46 Cal File: 7053005.d
Als bottle: 1
Dil Factor: 1.34000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	315161	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	244903			26.71- 126.71	77.71
14.402	14.402 (1.000)	49	453431			158.01- 258.01	143.87
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1330406	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	217966			0.00- 66.16	16.38
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1021024	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	629562			11.83- 111.83	61.66
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	486903	23.0188	23.019	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	239347			2.55- 102.55	49.16
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1306271	24.2719	24.272	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	152525			0.00- 61.67	11.68

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	856087			16.85- 116.85	65.54
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	547453	24.8197	24.820	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	761743			86.06- 186.06	139.14
23.361	23.361 (1.093)	176	539521			45.53- 145.53	98.55
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.776	5.748 (0.400)	85	57348	0.87951	1.178	80.00- 120.00	100.00
5.776	5.748 (0.400)	87	18690			0.00- 83.79	32.59
38 Ethanol					CAS #: 64-17-5		
9.481	9.453 (0.657)	45	34253	4.27397	5.727	80.00- 120.00	100.00
9.453	9.453 (0.655)	43	17795			0.00- 74.71	51.95
9.481	9.453 (0.657)	46	11889			0.00- 90.99	34.71
45 Acetone					CAS #: 67-64-1		
10.504	10.476 (0.728)	58	137066	12.9060	17.294	80.00- 120.00	100.00
10.504	10.476 (0.728)	43	528335			283.72- 383.72	385.46
46 2-Propanol					CAS #: 67-63-0		
10.697	10.670 (0.741)	45	286976	6.97980	9.353	80.00- 120.00	100.00
10.504	10.670 (0.728)	43	529303			0.00- 75.96	184.44
10.697	10.670 (0.741)	59	12890			0.00- 54.18	4.49
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.755)	76	46697	0.73969	0.9912	80.00- 120.00	100.00
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.795)	49	64856	2.63803	3.535	80.00- 120.00	100.00
11.472	11.472 (0.795)	84	48761			24.37- 124.37	75.18
11.472	11.472 (0.795)	51	22466			0.00- 83.13	34.64
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.852)	57	81052	2.18799	2.932	80.00- 120.00	100.00
12.329	12.301 (0.854)	43	62132			6.95- 106.95	76.66
12.329	12.301 (0.854)	86	14254			0.00- 65.49	17.59
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.964)	72	62000	6.18839	8.292	80.00- 120.00	100.00
13.905	13.905 (0.964)	43	455946			355.61- 455.61	735.40
13.905	13.905 (0.964)	57	22988			0.00- 89.31	37.08
85 Cyclohexane					CAS #: 110-82-7		
14.872	14.845 (1.031)	84	25799	0.93142	1.248	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
85 Cyclohexane (continued)							
14.845	14.845 (1.029)	56	49672			63.18- 163.18	192.53
14.872	14.845 (1.031)	41	33208			14.49- 114.49	128.72
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	31610	0.55494	0.7436	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	7472			0.00- 72.72	23.64
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	12459	0.66472	0.8907	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	23234			137.75- 237.75	186.48
15.730	15.730 (0.973)	57	12084			45.48- 145.48	96.99
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	7300222	111.977	150.05	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	4479928			11.15- 111.15	61.37
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	37062	1.41189	1.892	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	119355			263.64- 363.64	322.04
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	59281	1.79159	2.401	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	116861			155.97- 255.97	197.13
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	20140	0.67664	0.9067	80.00- 120.00	100.00
22.393	22.393 (1.048)	91	42878			161.08- 261.08	212.90
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	30276	0.61224	0.8204	80.00- 120.00	100.00
22.421	22.448 (1.049)	78	16930			3.10- 103.10	55.92
145 4-Ethyltoluene					CAS #: 622-96-8		
23.803	23.831 (1.114)	105	51782	0.61340	0.8220	80.00- 120.00	100.00
23.803	23.831 (1.114)	120	15286			0.00- 79.29	29.52
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	38291	0.58490	0.7838	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	17910			0.00- 95.99	46.77

Report Date: 08-Jun-2007 10:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7060322.d
Lab Smp Id: 0705584-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 0.0"Hg -> 5psi

Calibration Date: 03-JUN-2007
Calibration Time: 09:11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324266	194560	453972	315161	-2.81
97 1,4-Difluorobenze	1381938	829163	1934713	1330406	-3.73
126 Chlorobenzene-d5	1133267	679960	1586574	1021024	-9.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.40	14.07	14.73	14.43	0.19
97 1,4-Difluorobenze	16.17	15.84	16.50	16.17	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: 08-Jun-2007 10:52

Air Toxics Ltd.

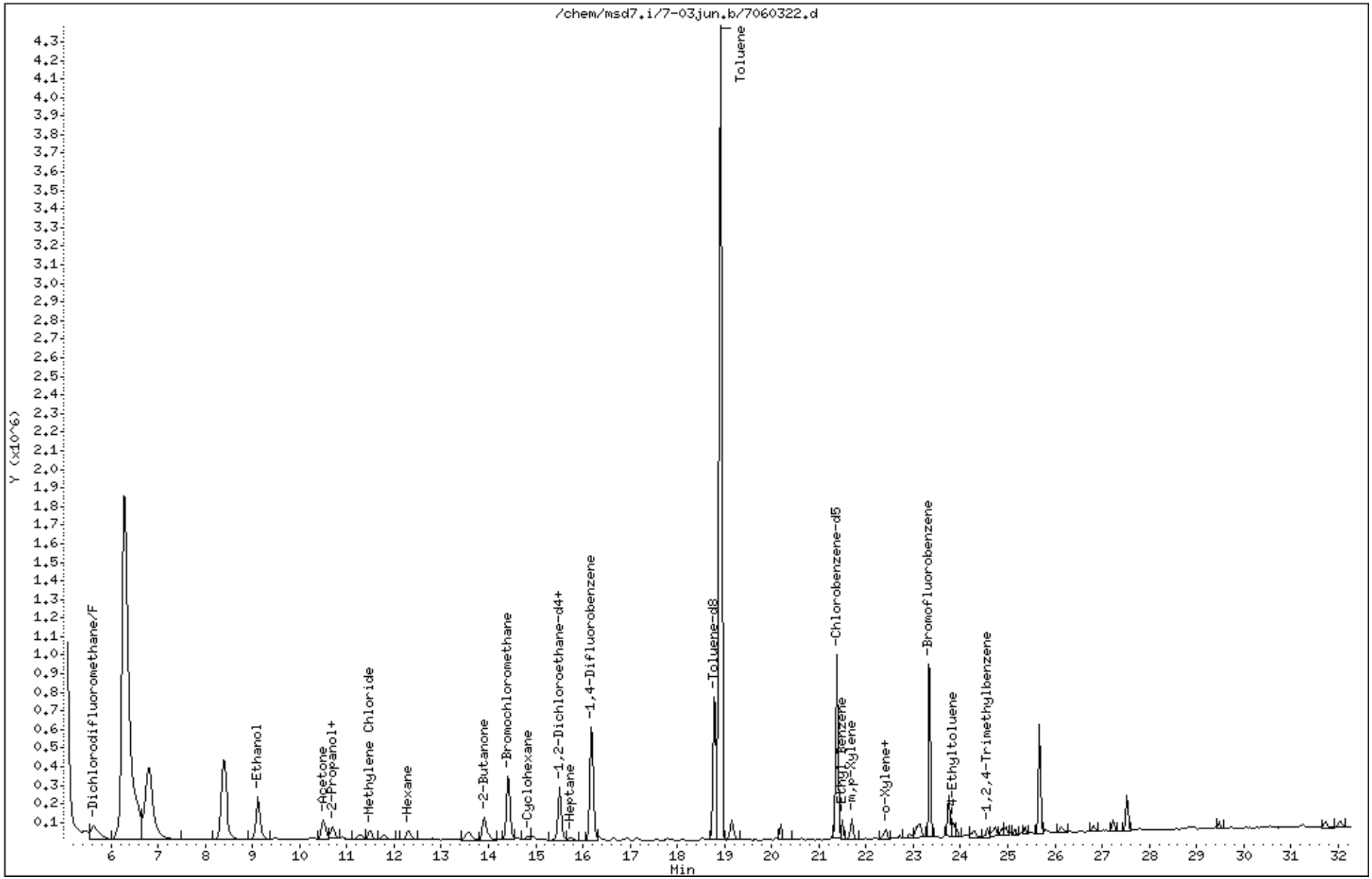
RECOVERY REPORT

Client Name: Client SDG: 7-03jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0705584-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 0.0"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.019	92.08	70-130
$ 113 Toluene-d8	25.000	24.272	97.09	70-130
$ 137 Bromofluorobenzene	25.000	24.820	99.28	70-130

Data File: /chem/msd7.i/7-03jun.b/7060322.d
Date : 04-JUN-2007 00:05
Client ID:
Sample Info: 200ml #33908

Instrument: msd7.i
Operator: ab
Column phase: RTx-624
Column diameter: 0.53



0014

Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

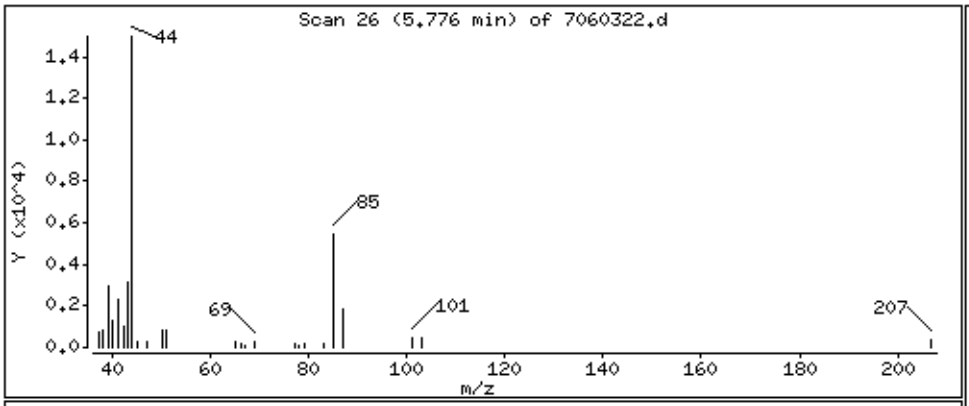
Operator: ab

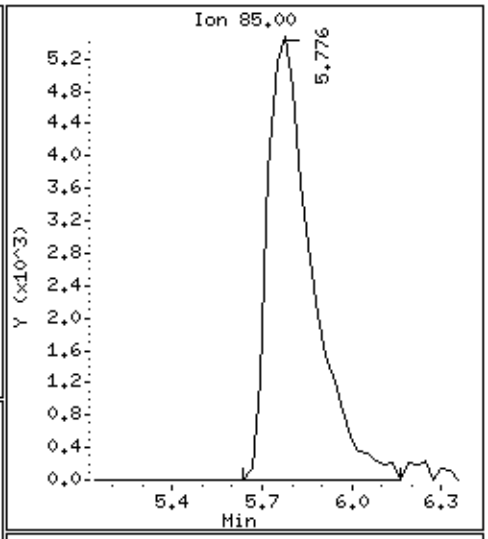
Column phase: RTx-624

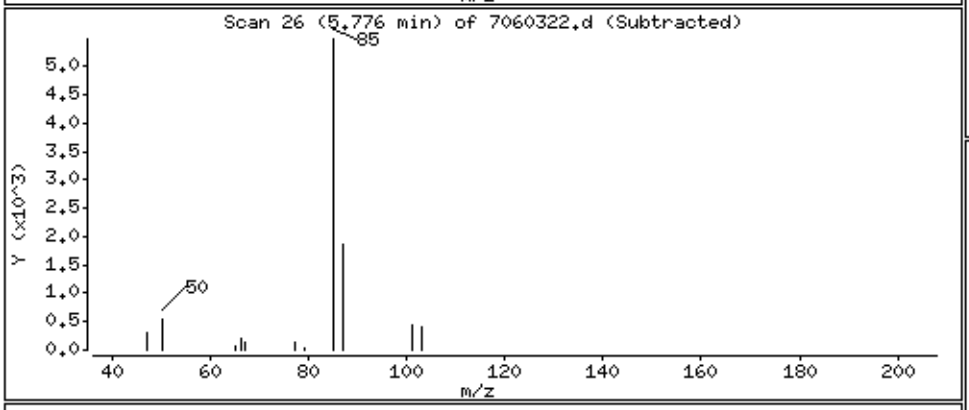
Column diameter: 0.53

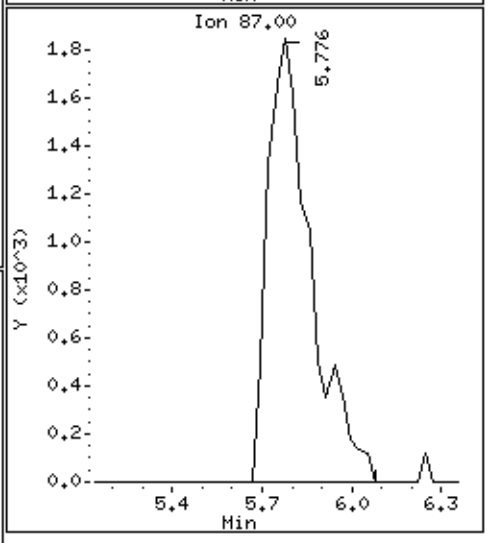
12 Dichlorodifluoromethane/Fr12

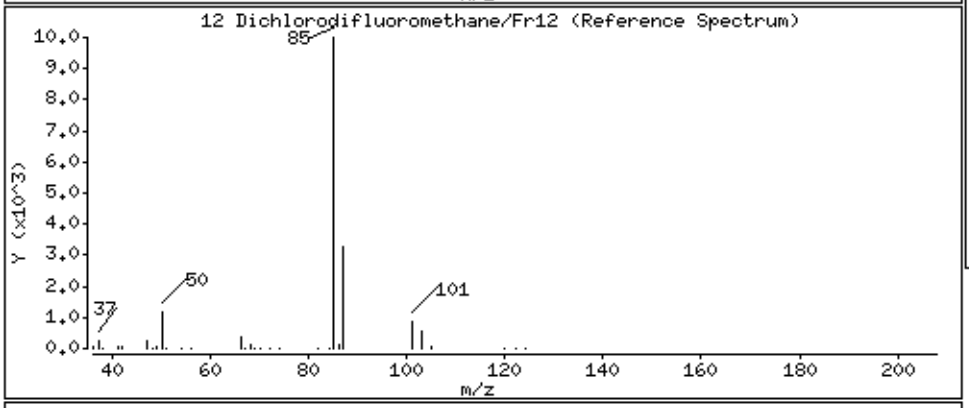
Concentration: 1.178 PPBV

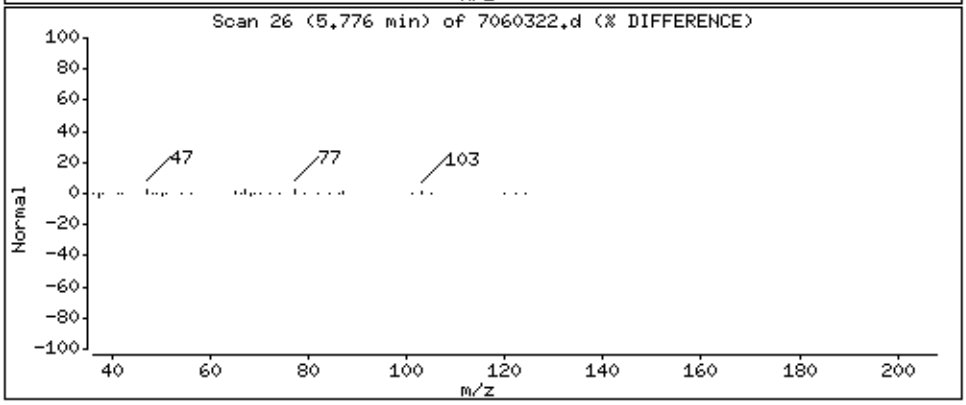












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

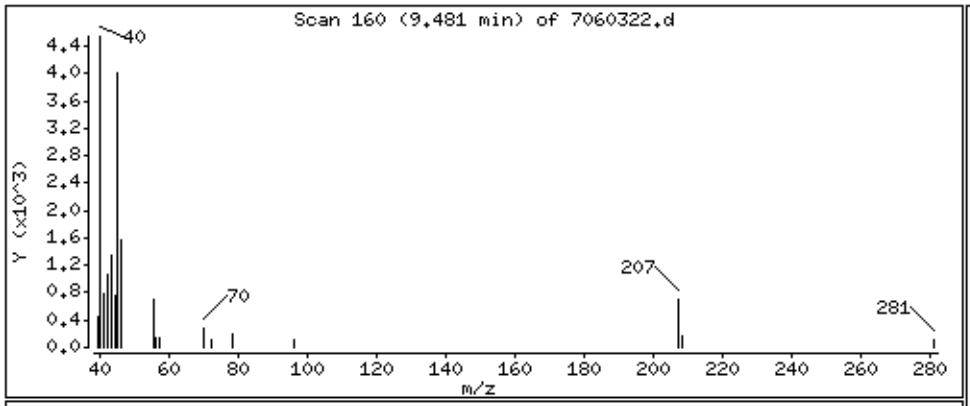
Operator: ab

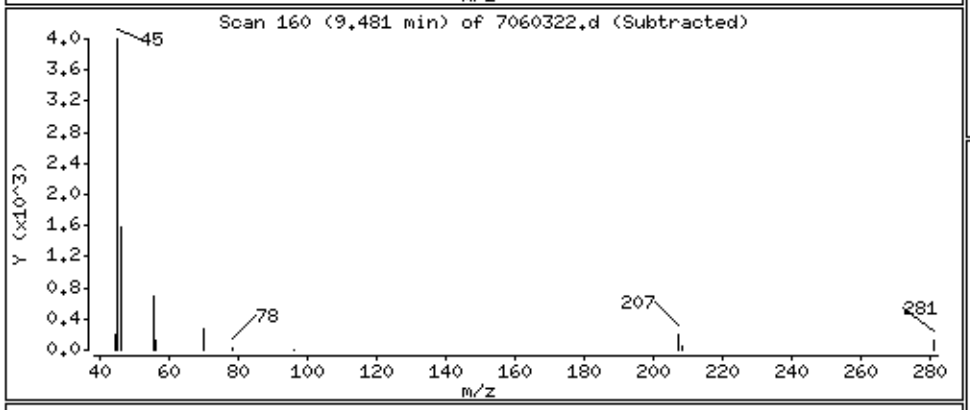
Column phase: RTx-624

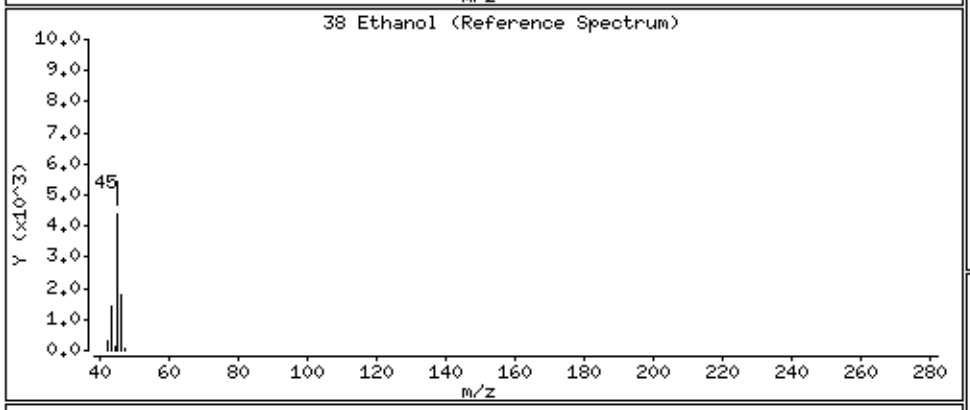
Column diameter: 0.53

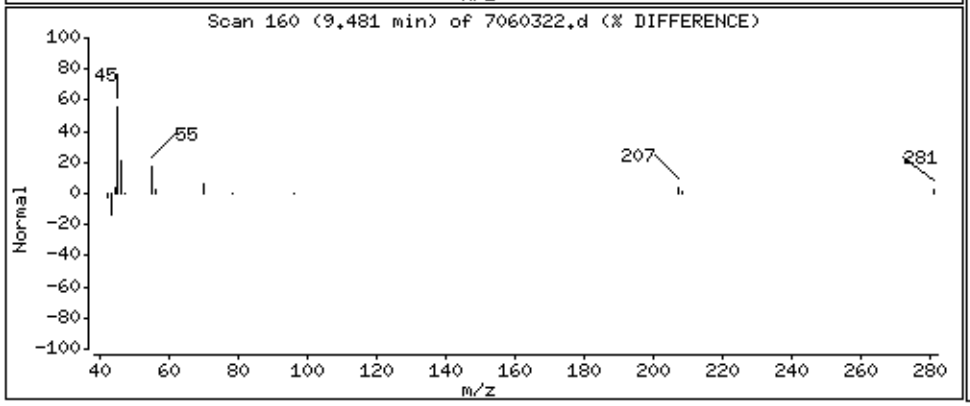
38 Ethanol

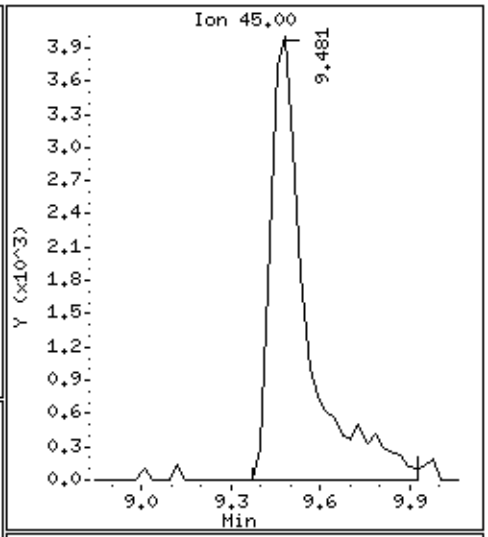
Concentration: 5.727 PPBV

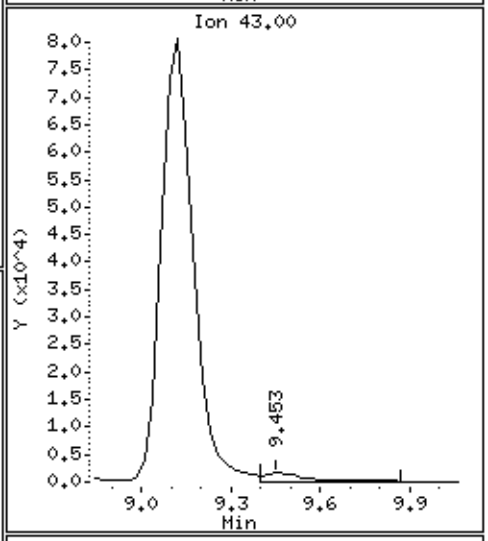


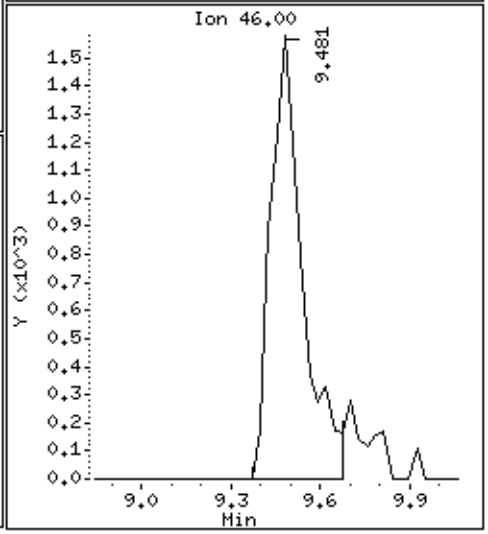












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

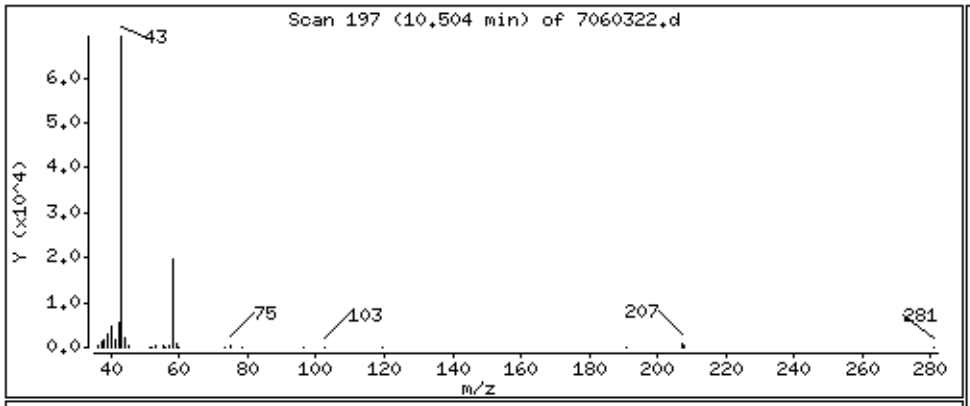
Operator: ab

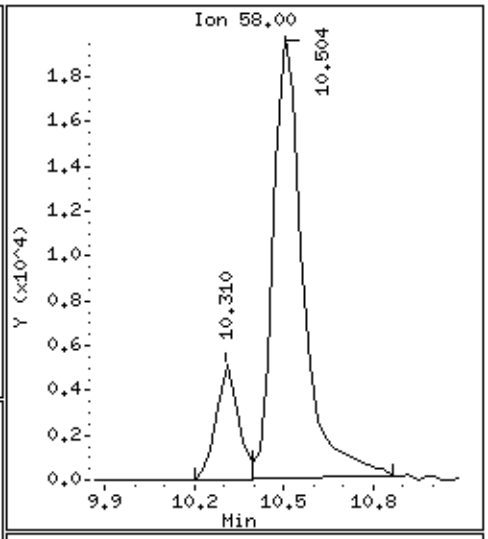
Column phase: RTx-624

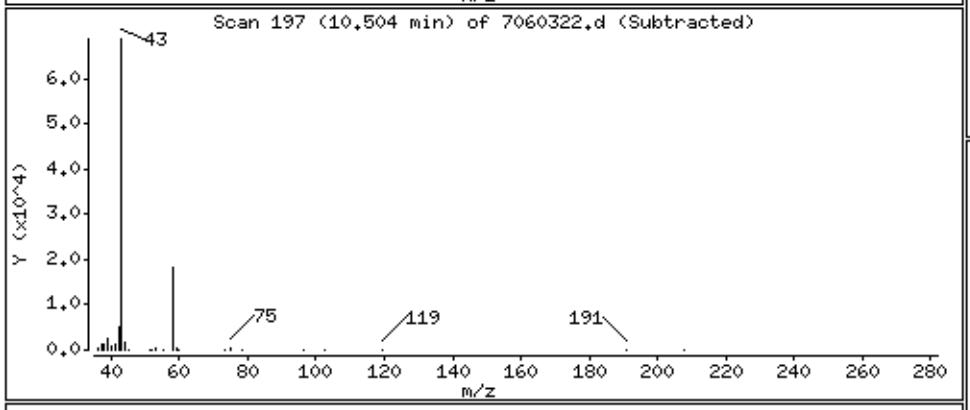
Column diameter: 0.53

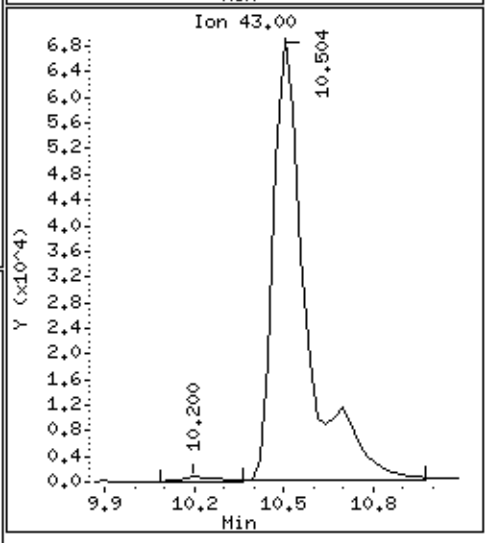
45 Acetone

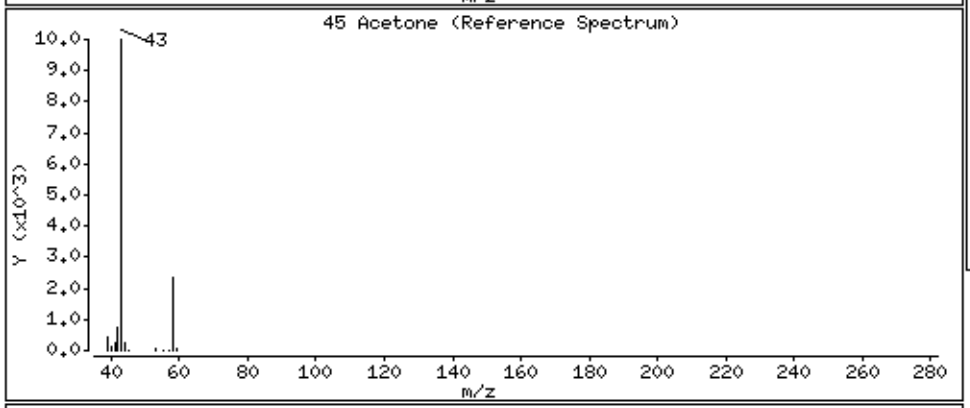
Concentration: 17.294 PPBV

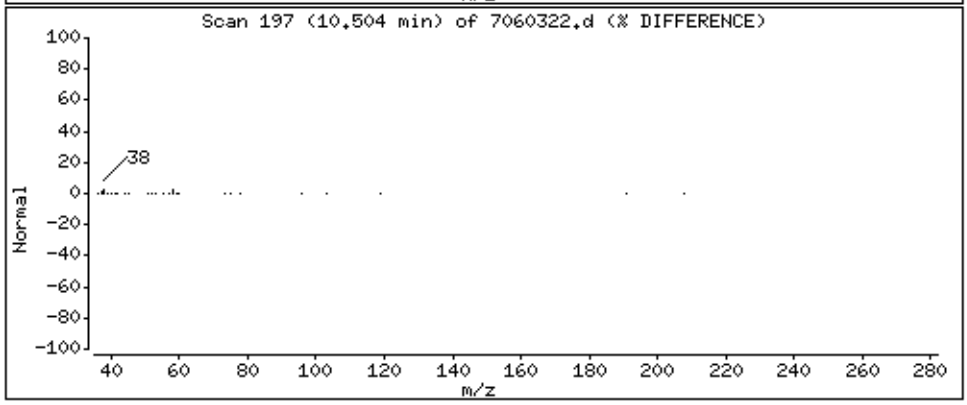












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

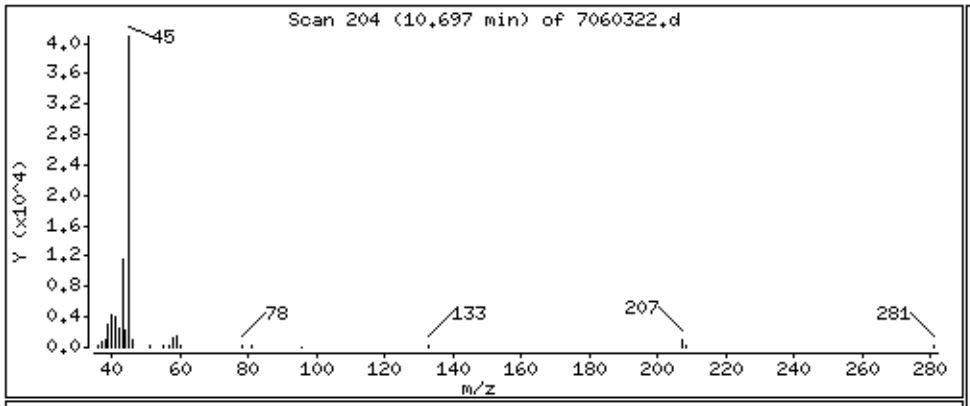
Operator: ab

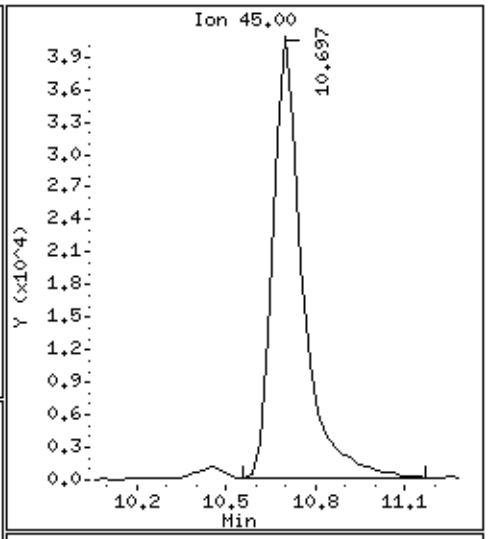
Column phase: RTx-624

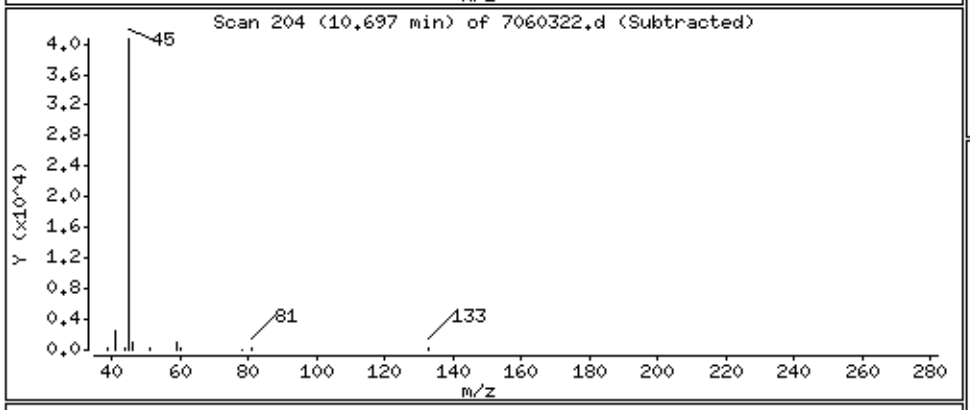
Column diameter: 0.53

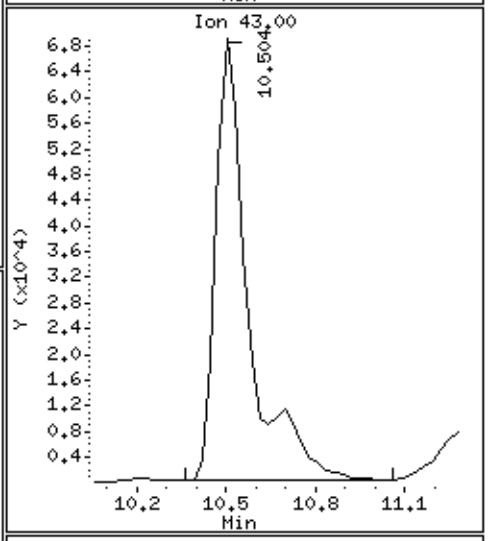
46 2-Propanol

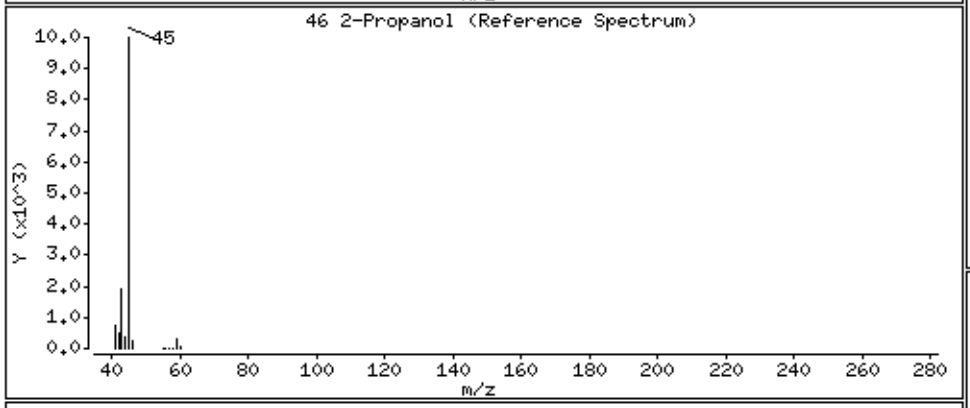
Concentration: 9.353 PPBV

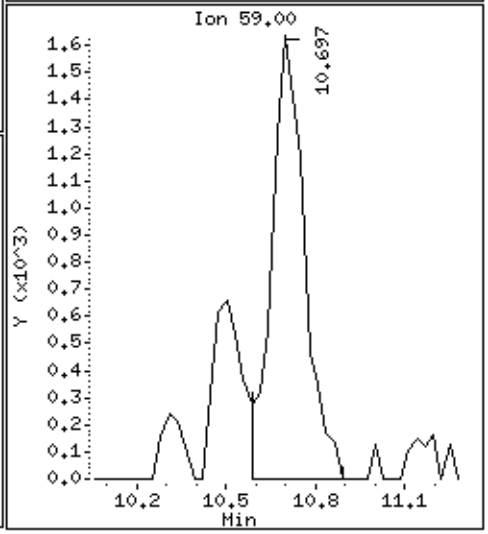


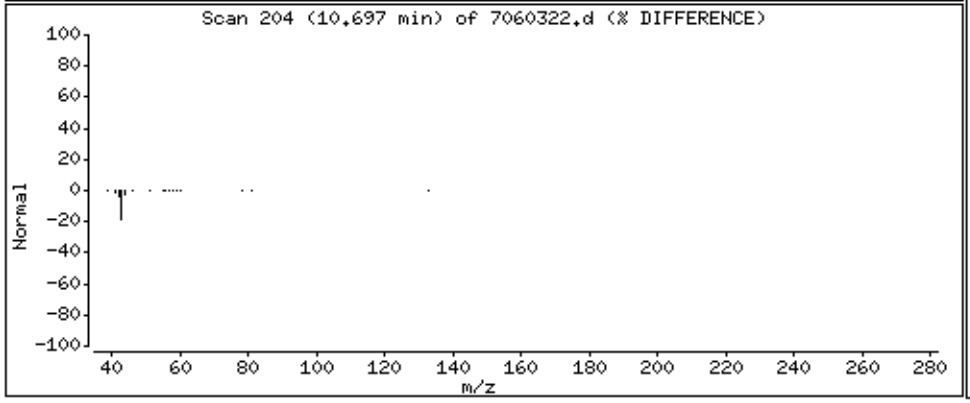












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

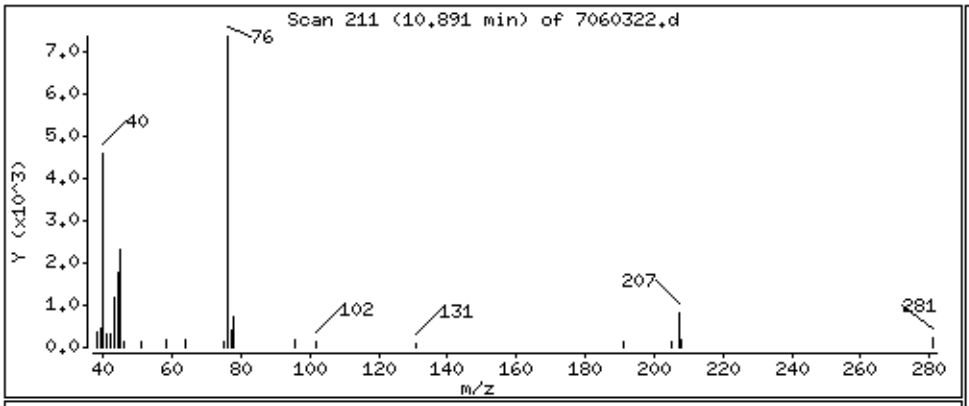
Operator: ab

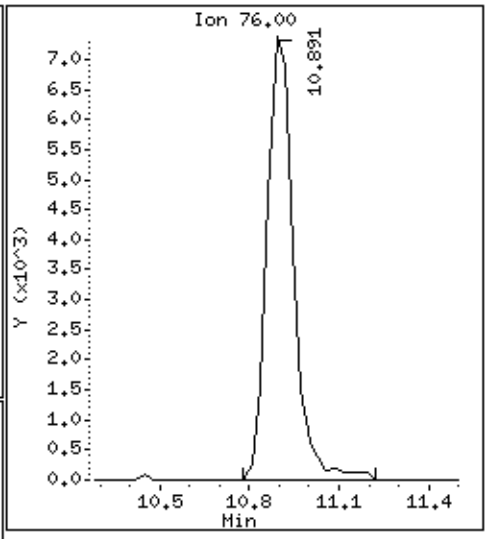
Column phase: RTx-624

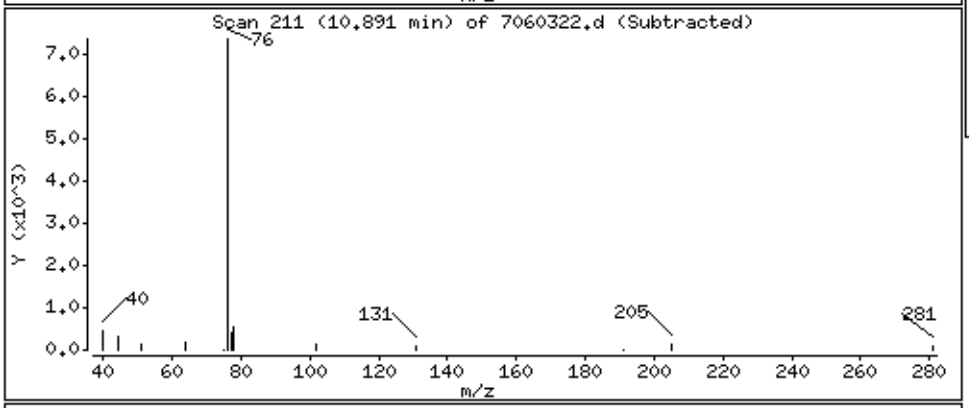
Column diameter: 0.53

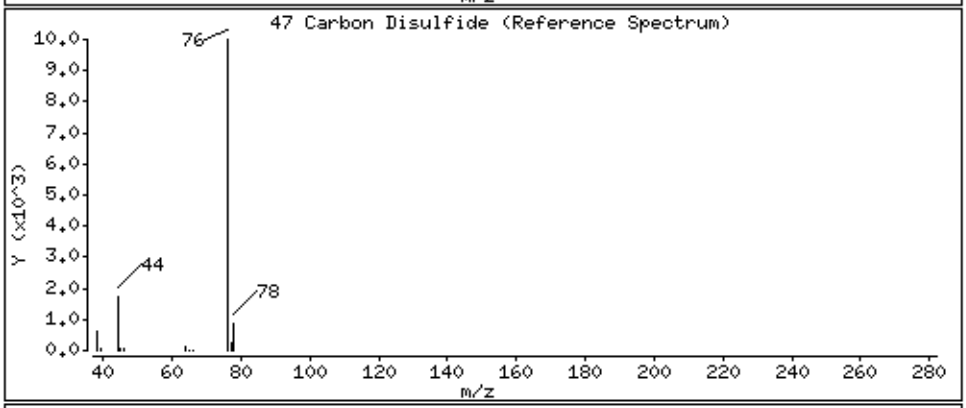
47 Carbon Disulfide

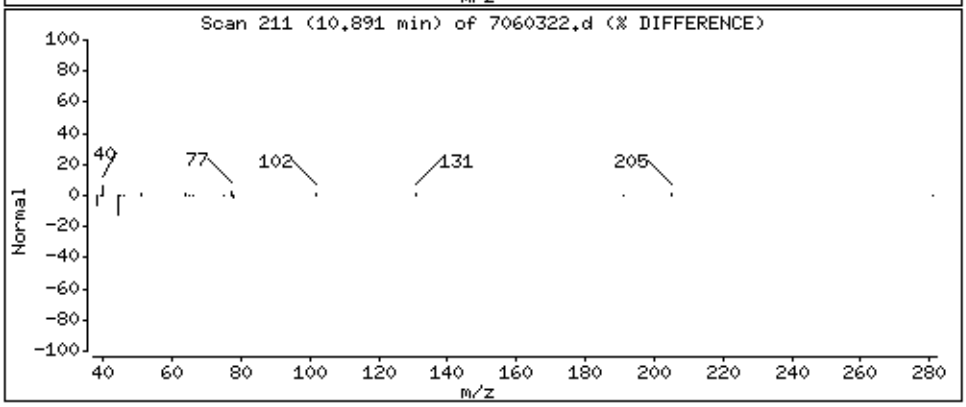
Concentration: 0.9912 PPBV











Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

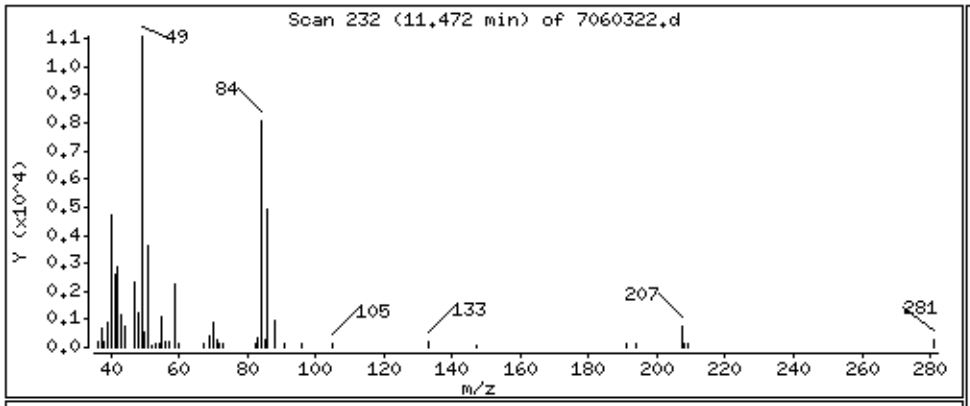
Operator: ab

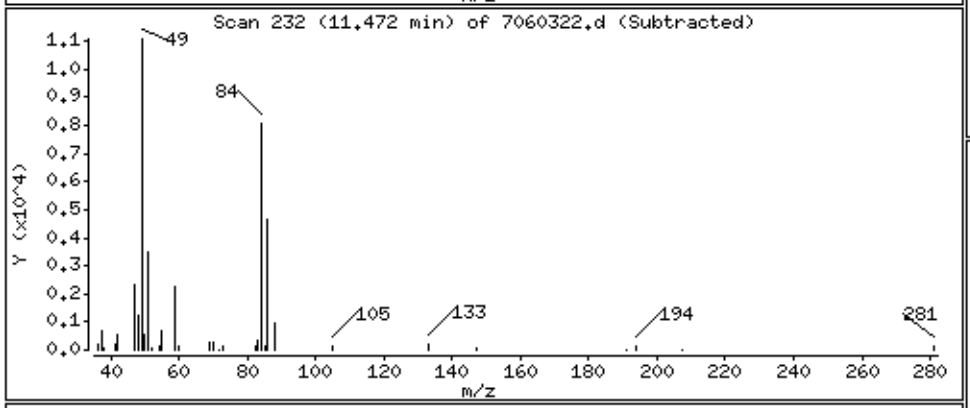
Column phase: RTx-624

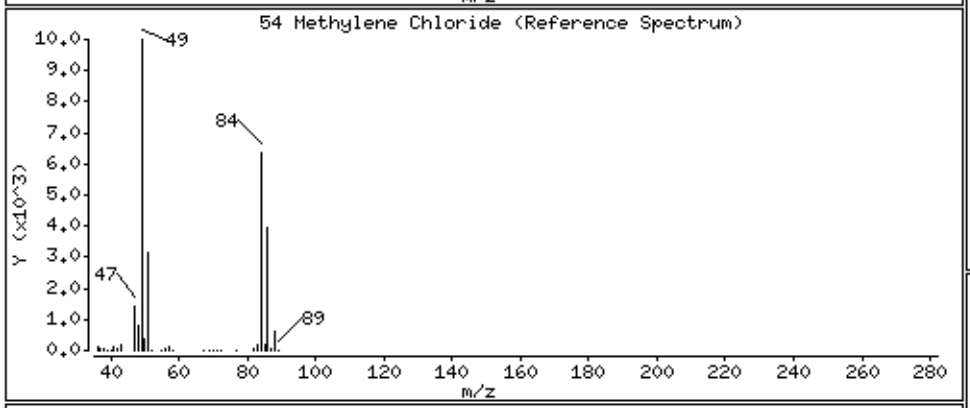
Column diameter: 0.53

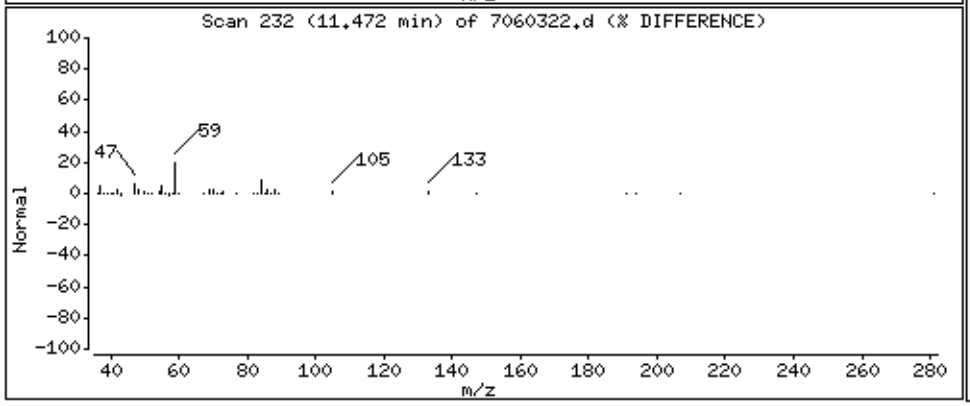
54 Methylene Chloride

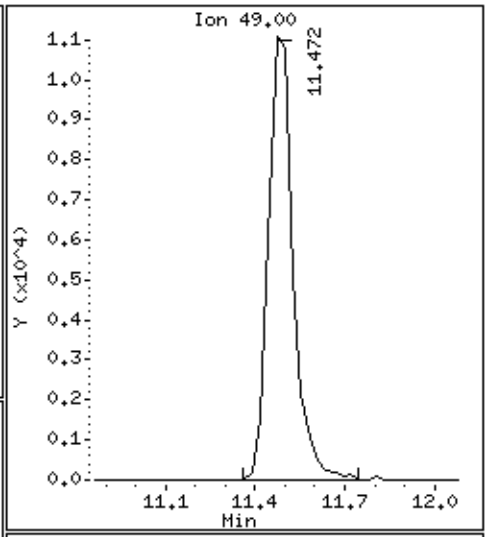
Concentration: 3.535 PPBV

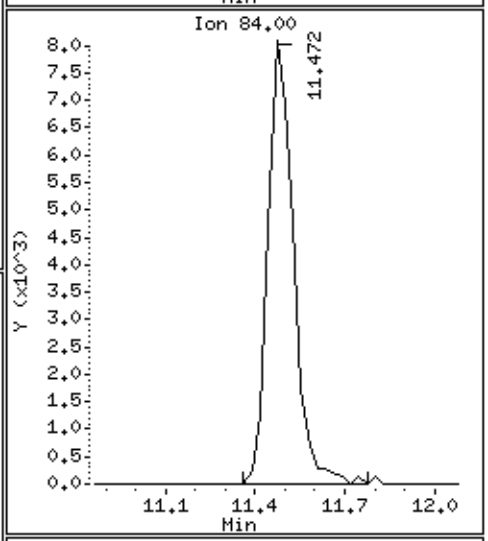


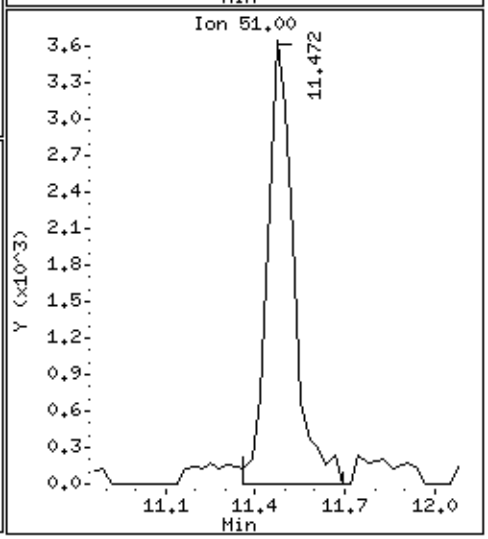












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

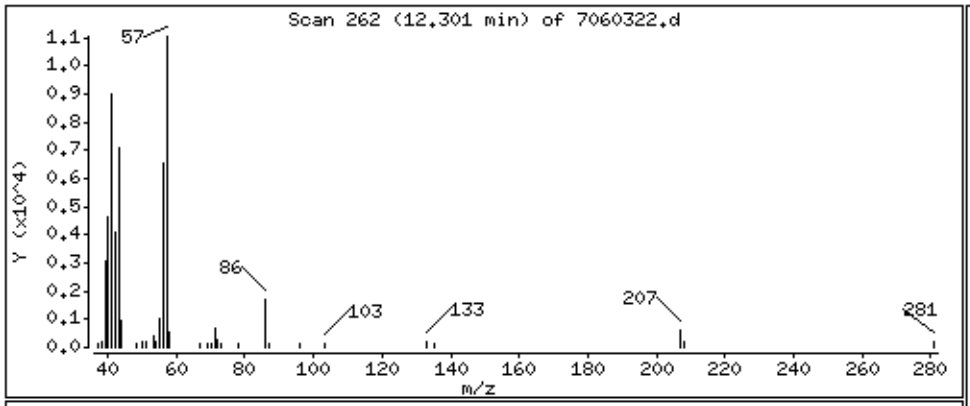
Operator: ab

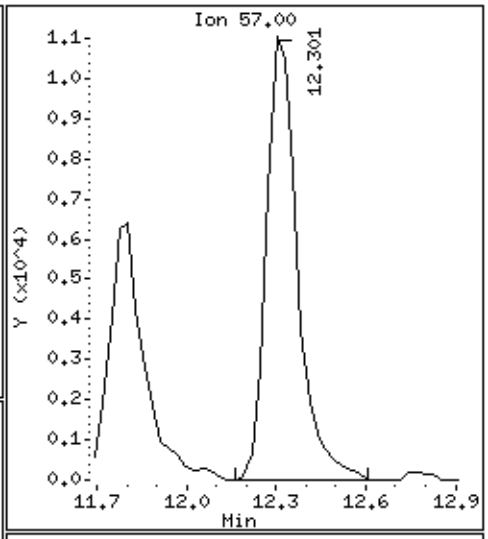
Column phase: RTx-624

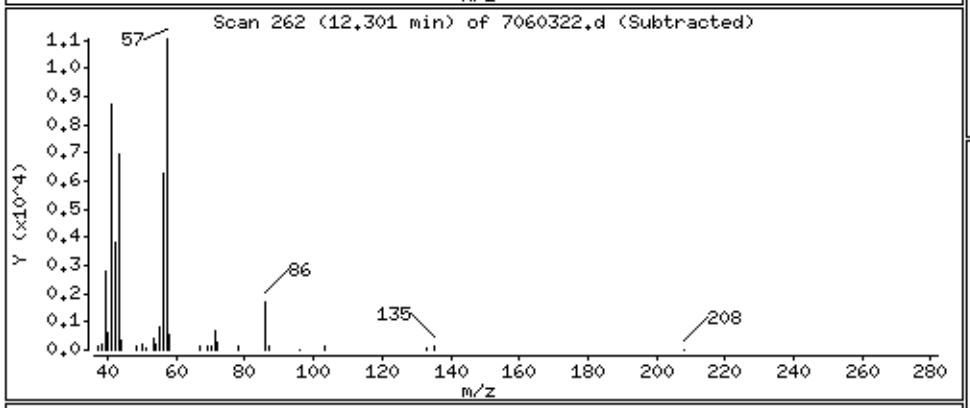
Column diameter: 0.53

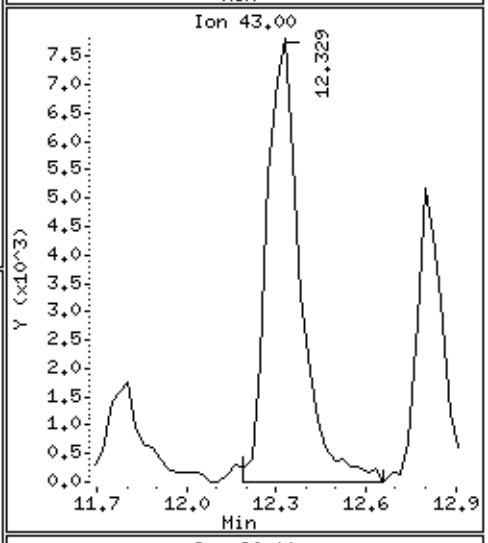
65 Hexane

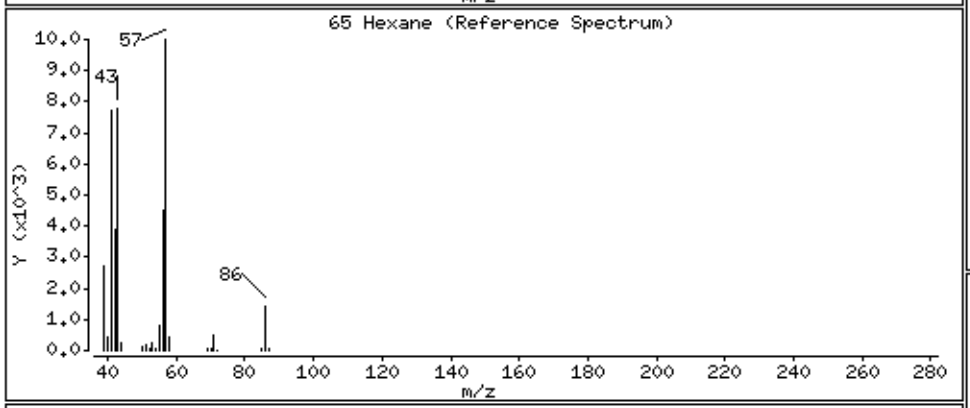
Concentration: 2.932 PPBV

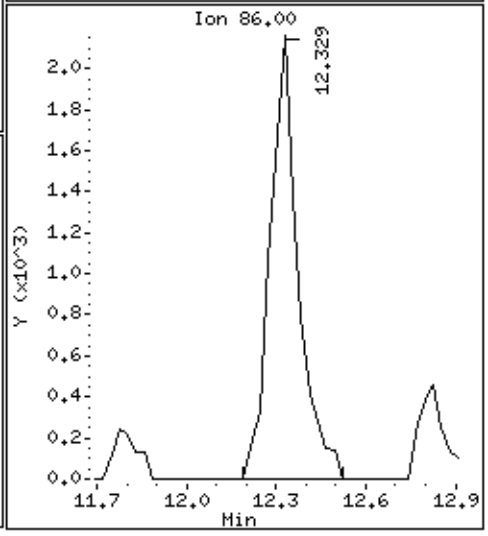


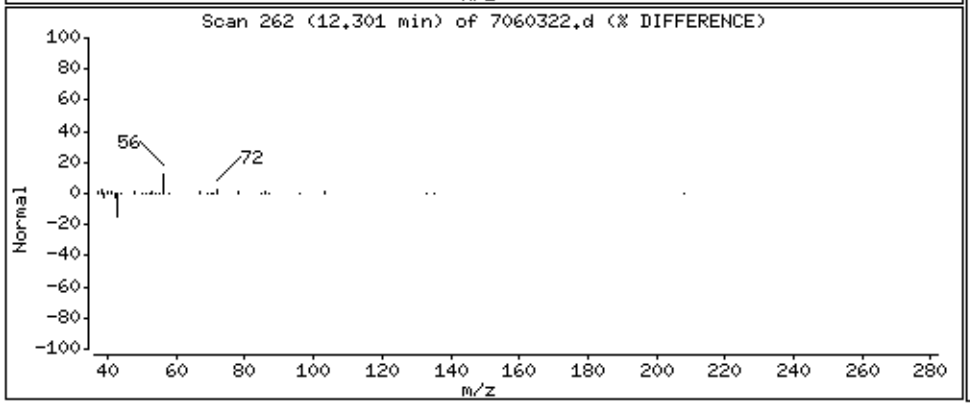












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

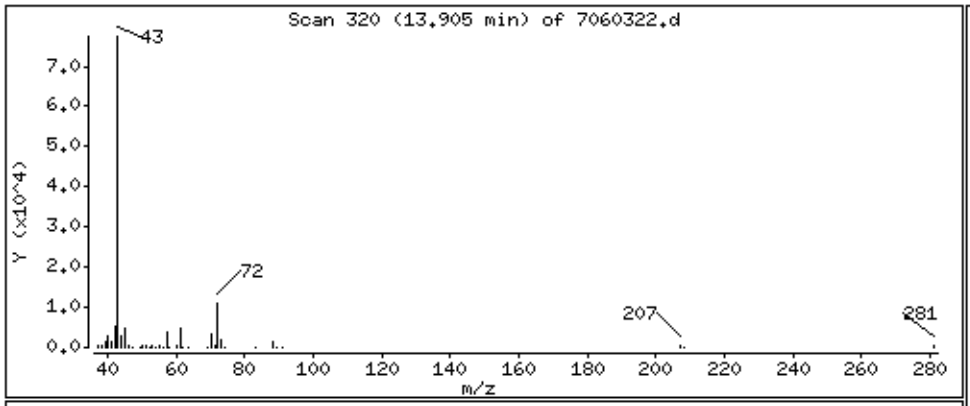
Operator: ab

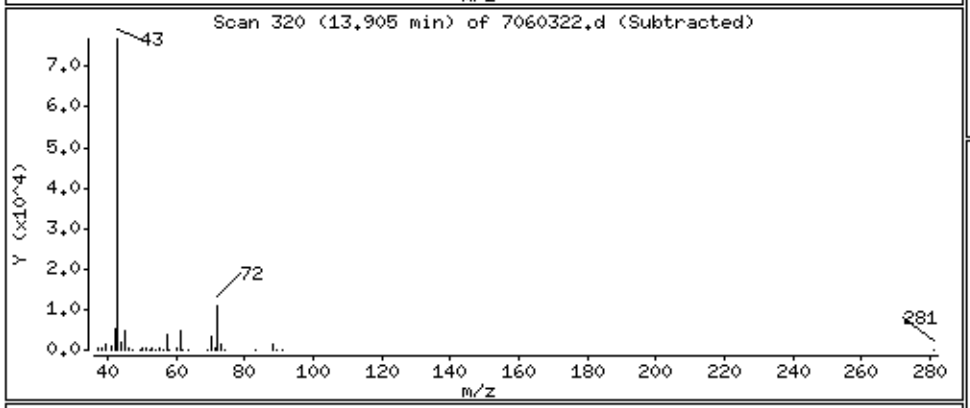
Column phase: RTx-624

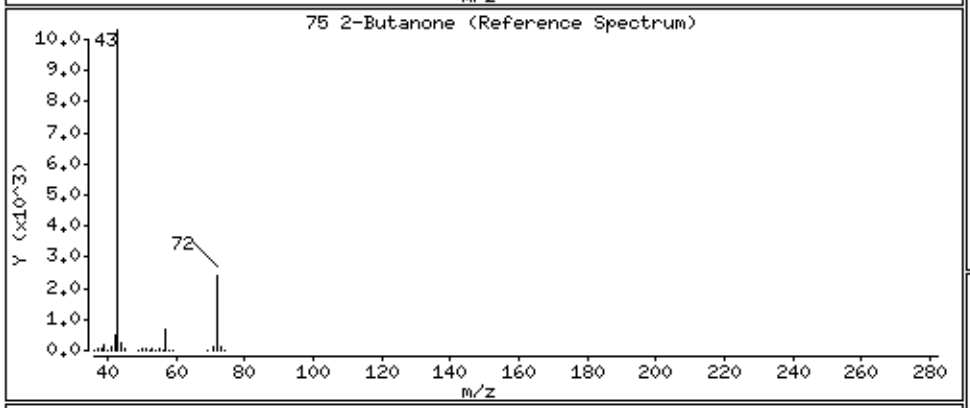
Column diameter: 0.53

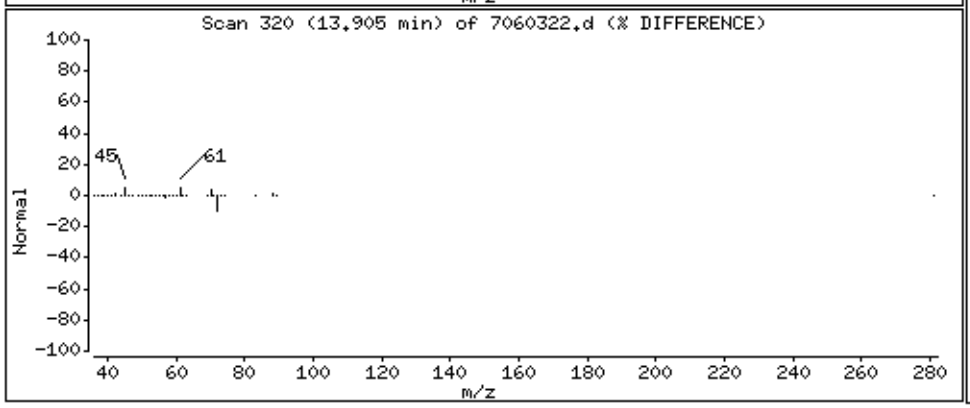
75 2-Butanone

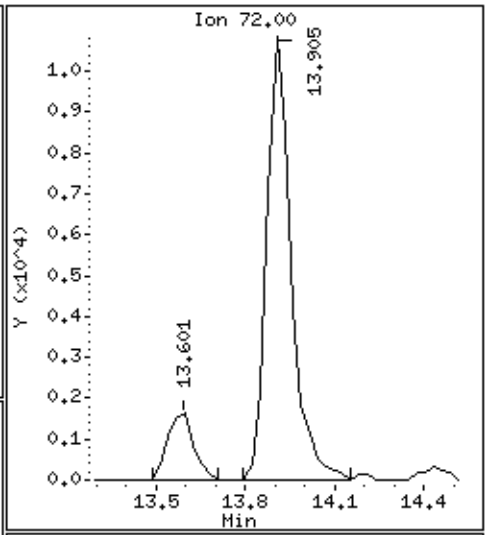
Concentration: 8.292 PPBV

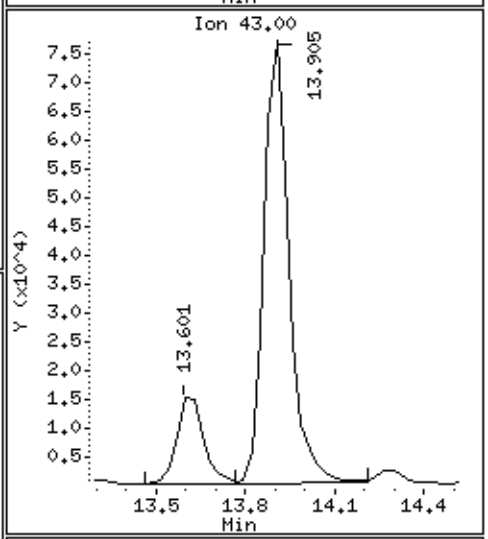


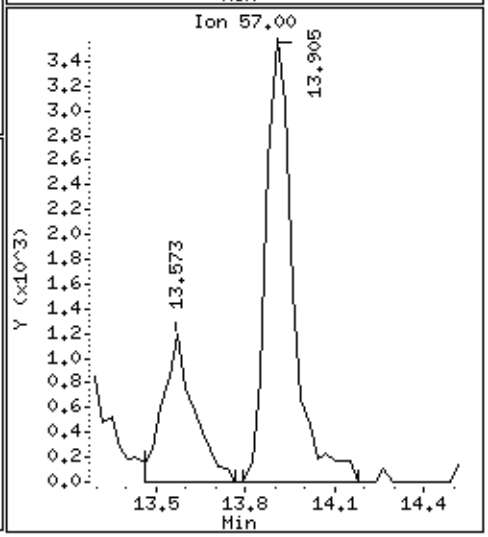












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

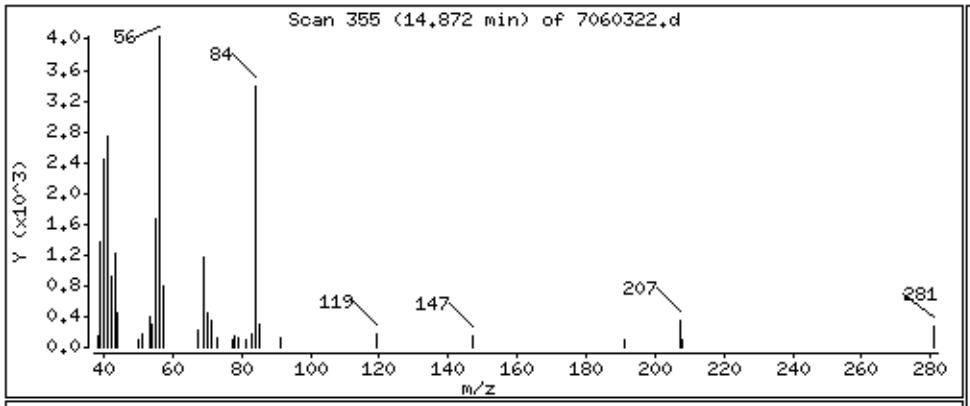
Operator: ab

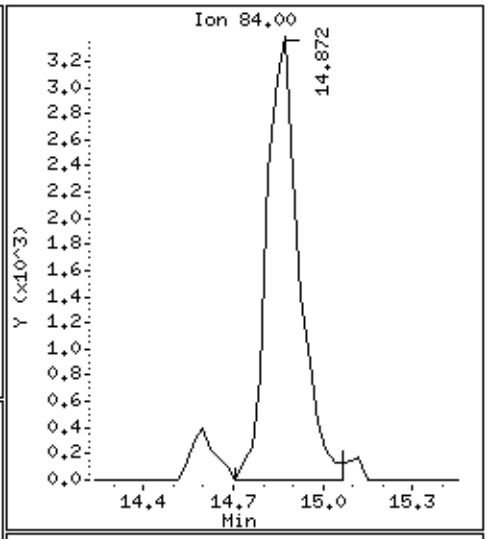
Column phase: RTx-624

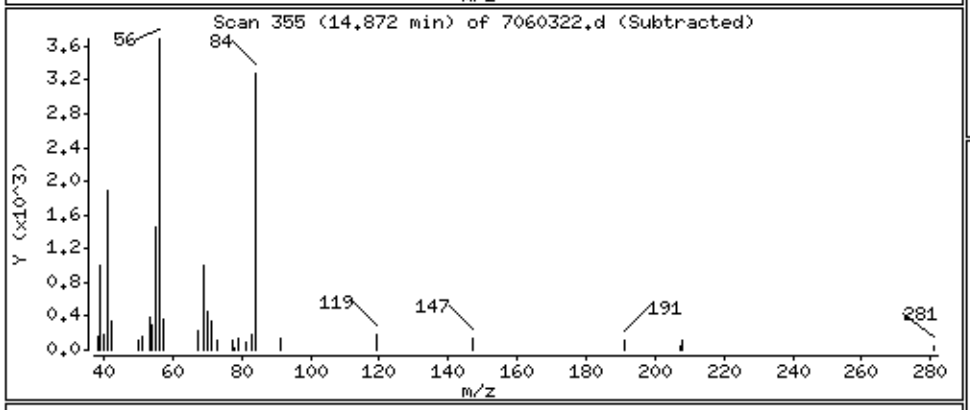
Column diameter: 0.53

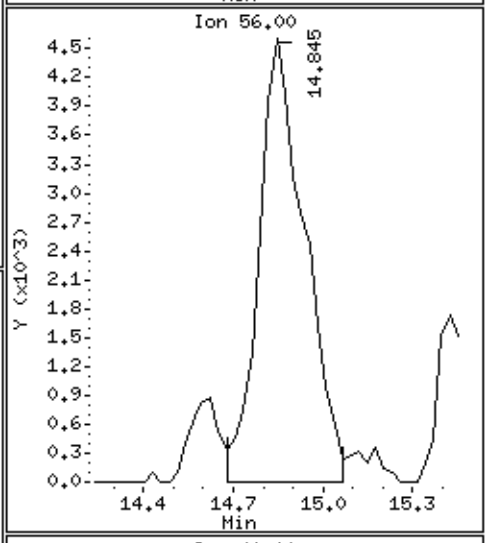
85 Cyclohexane

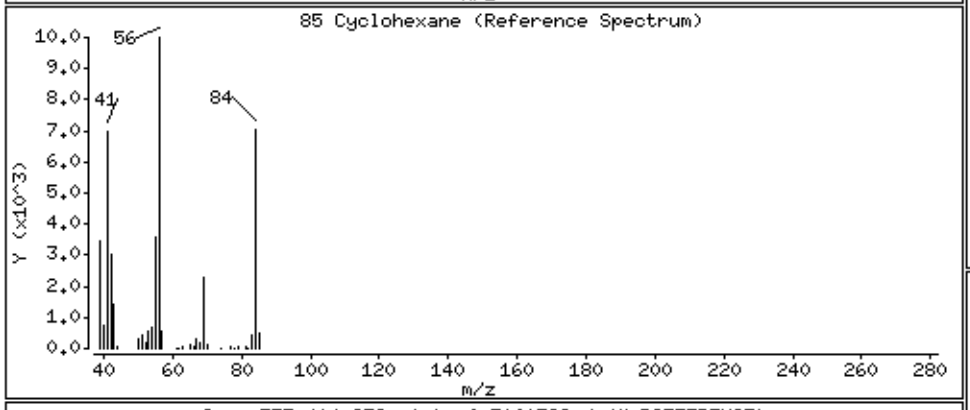
Concentration: 1.248 PPBV

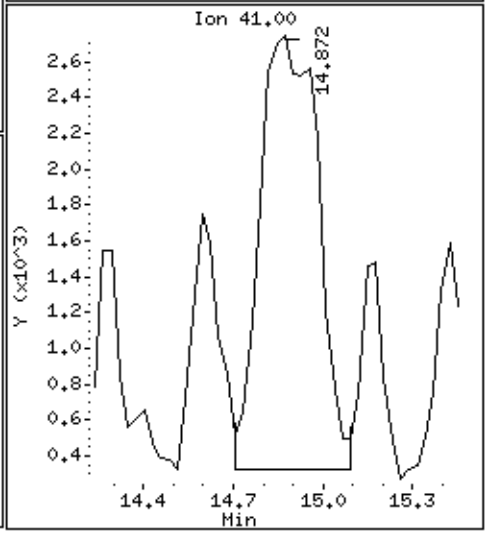


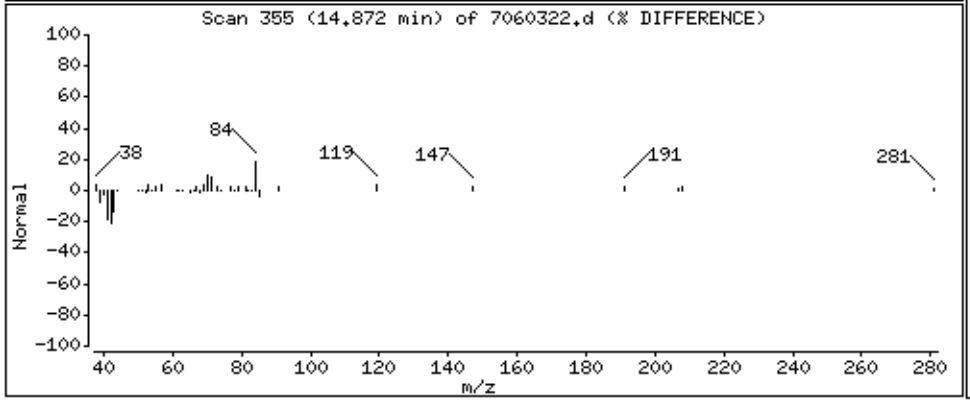












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

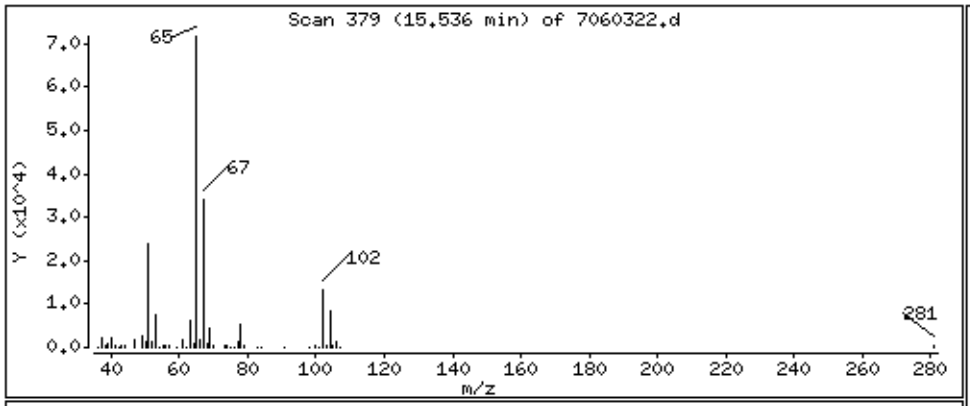
Operator: ab

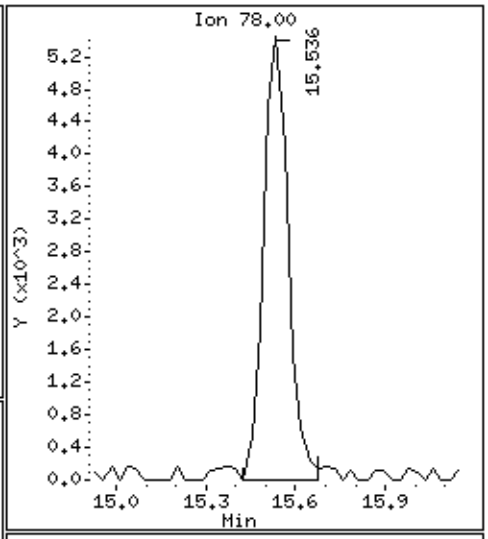
Column phase: RTx-624

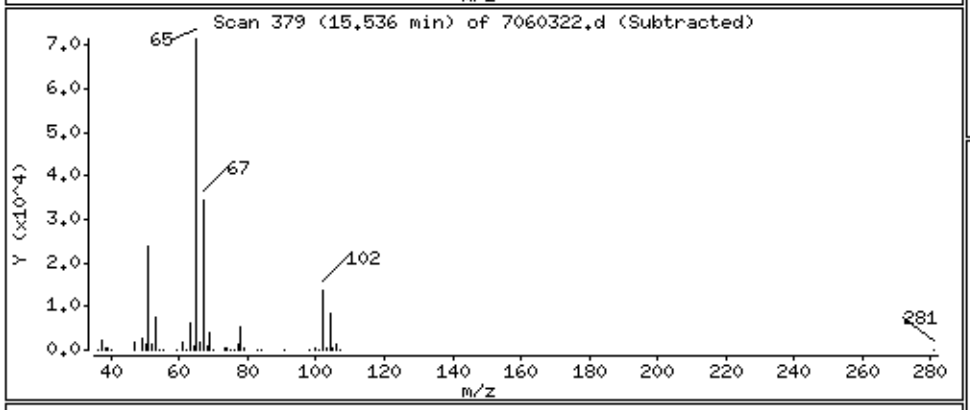
Column diameter: 0.53

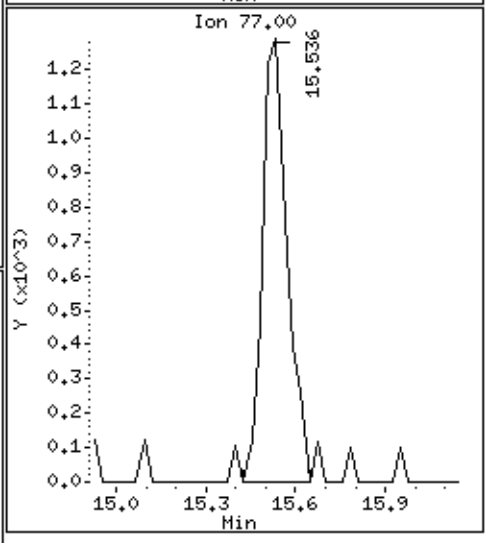
91 Benzene

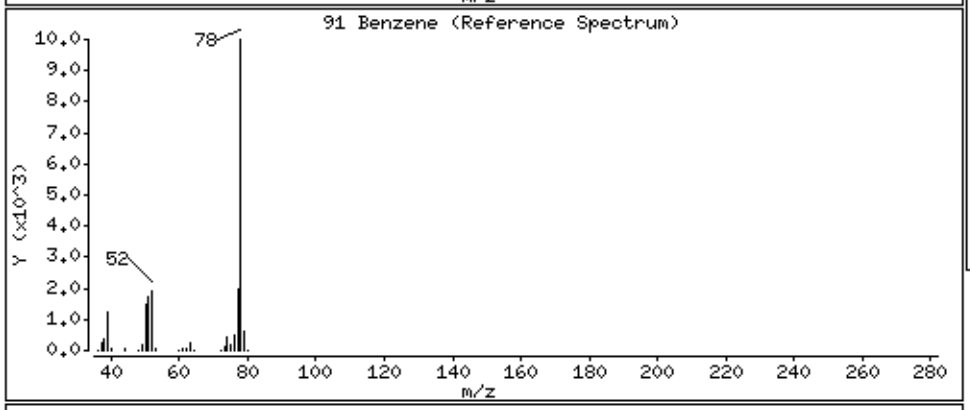
Concentration: 0.7436 PPBV

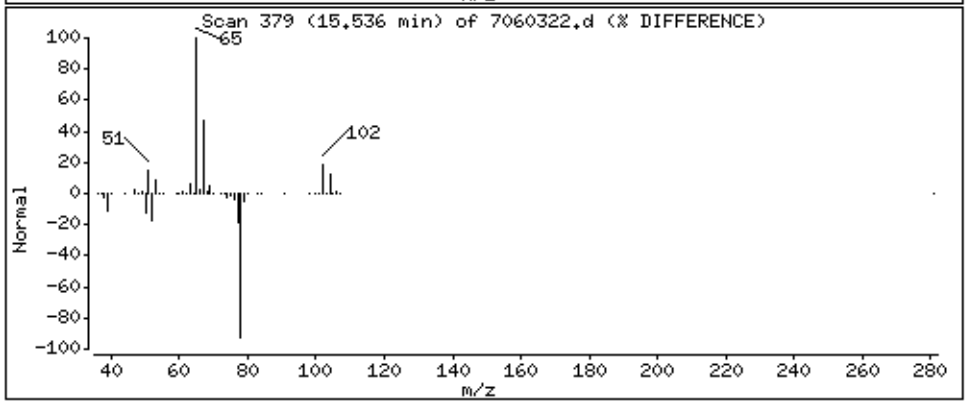












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

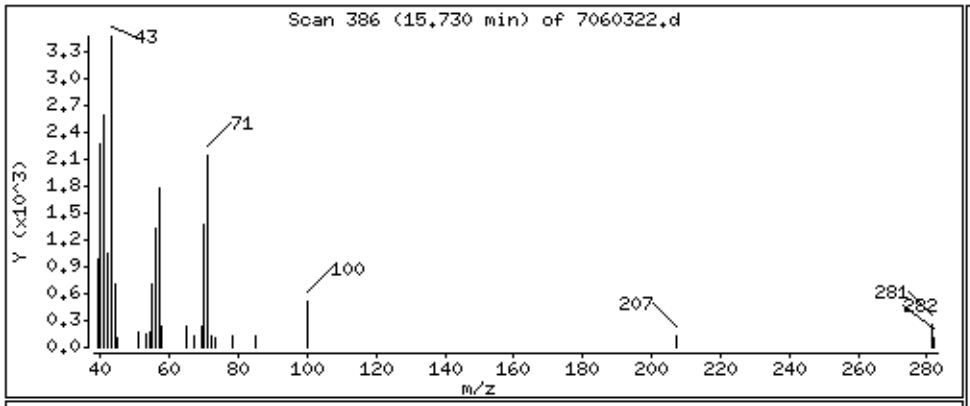
Operator: ab

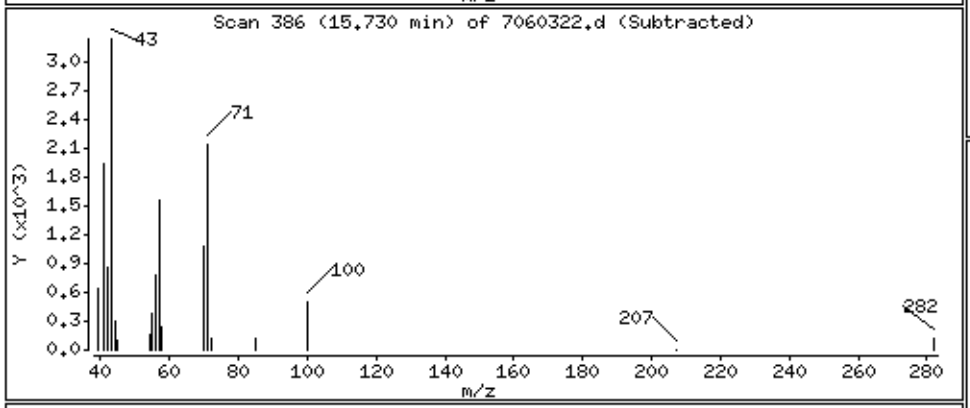
Column phase: RTx-624

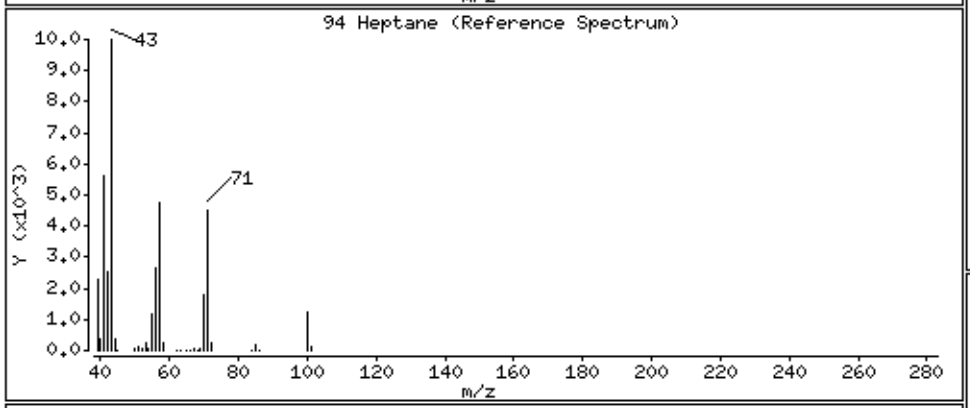
Column diameter: 0.53

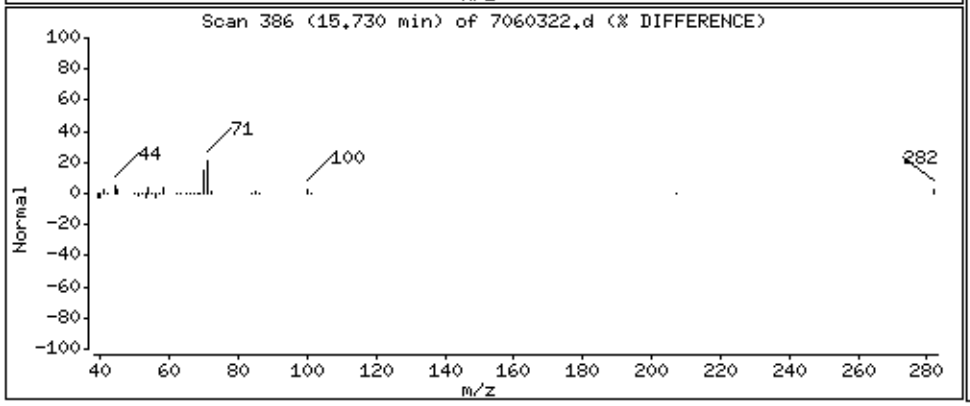
94 Heptane

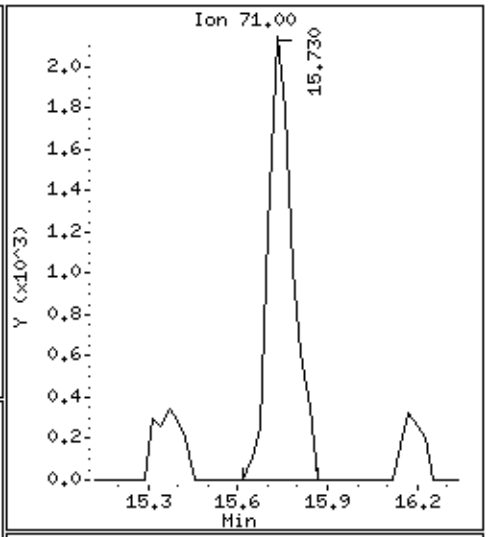
Concentration: 0.8907 PPBV

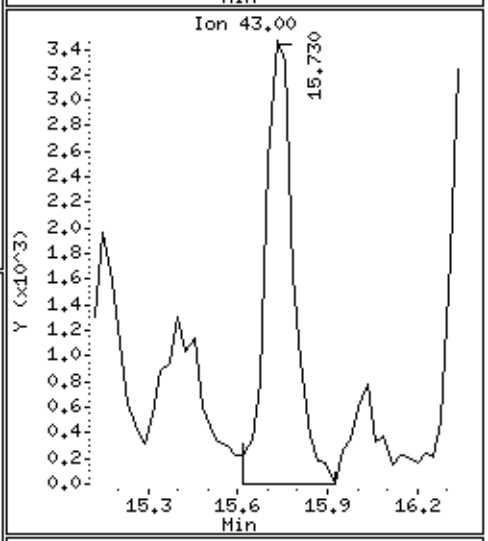


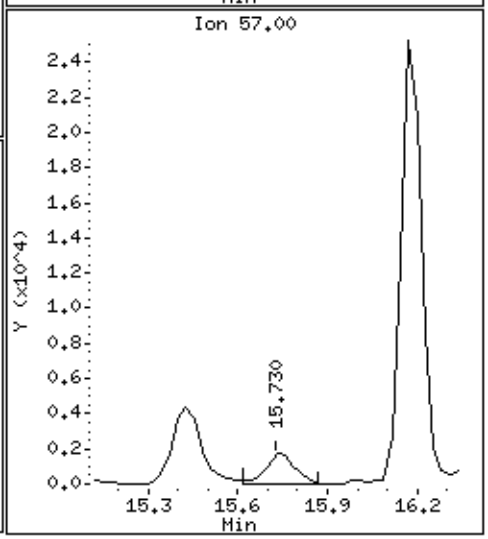












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

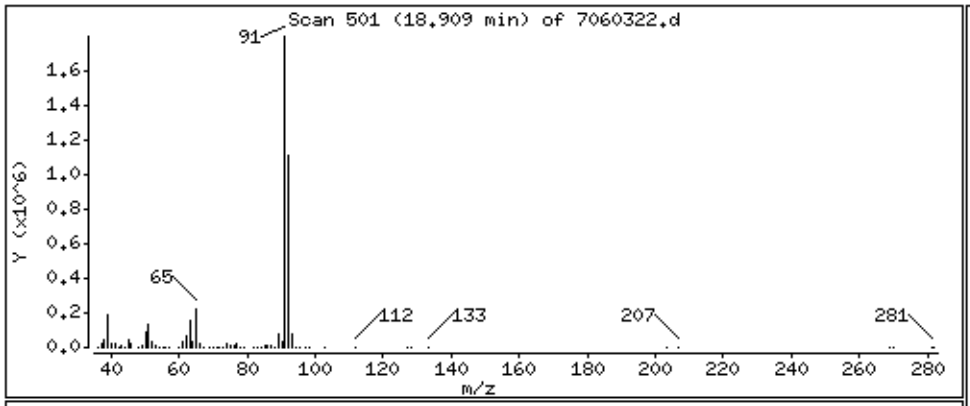
Operator: ab

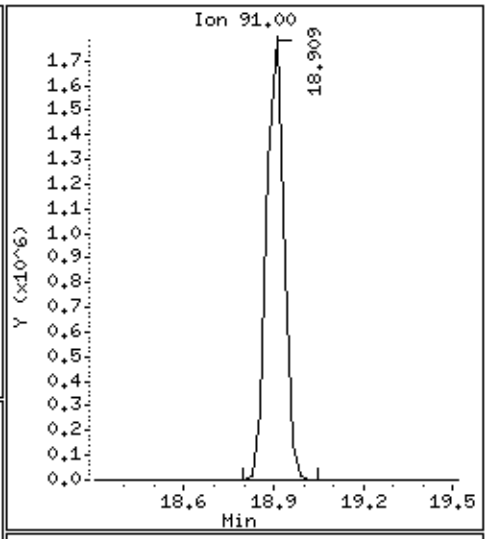
Column phase: RTx-624

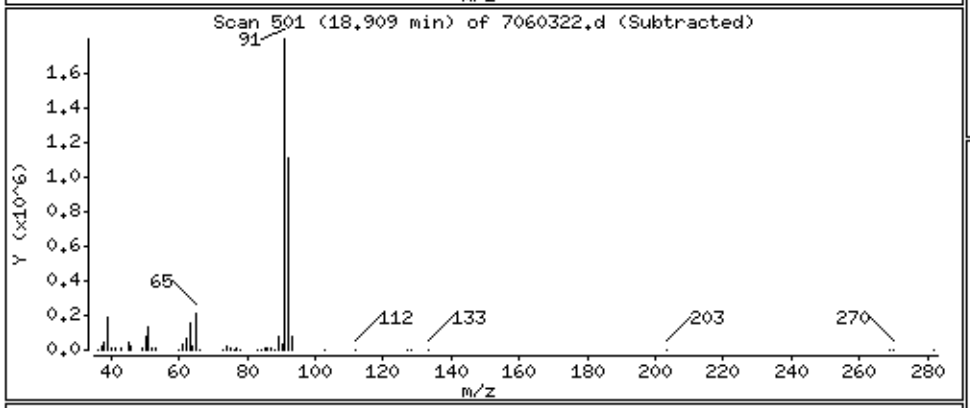
Column diameter: 0.53

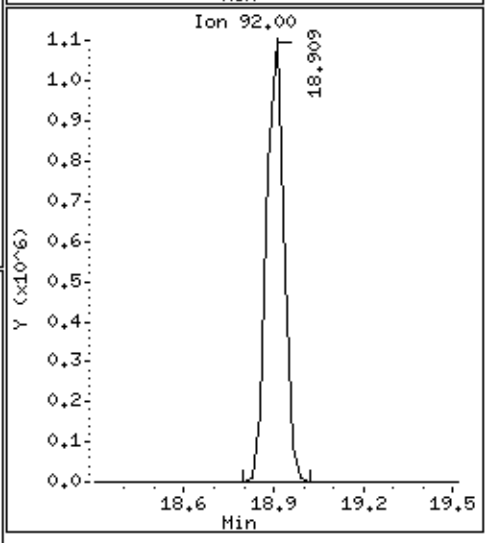
114 Toluene

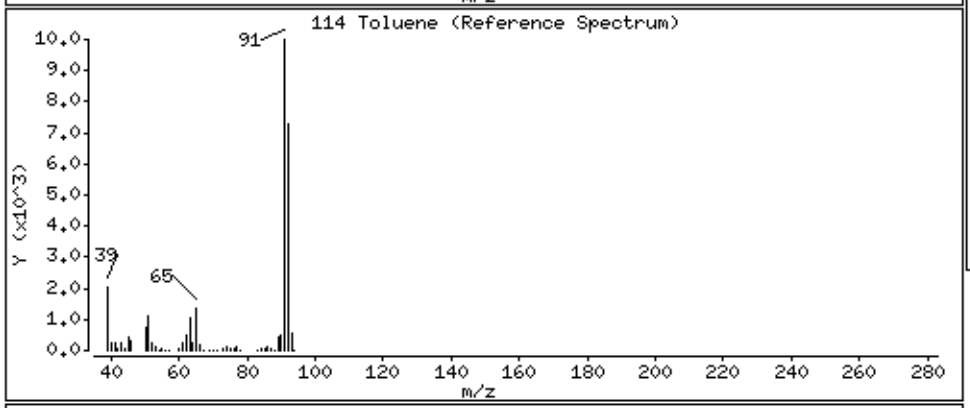
Concentration: 150.05 PPBV

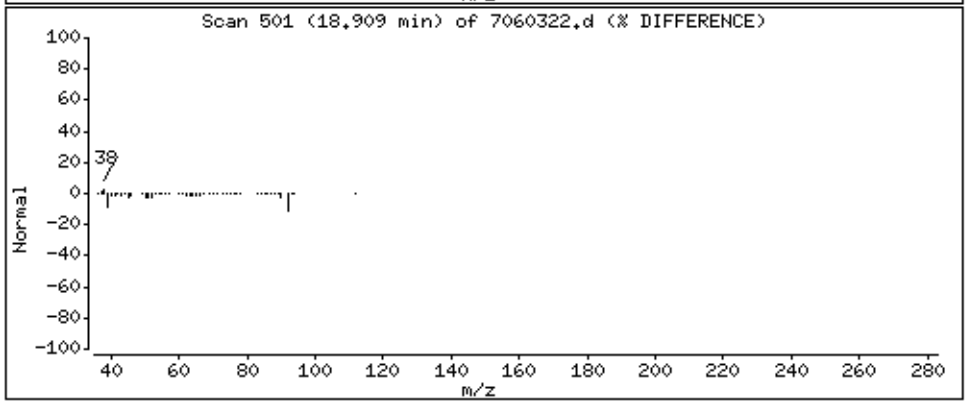












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

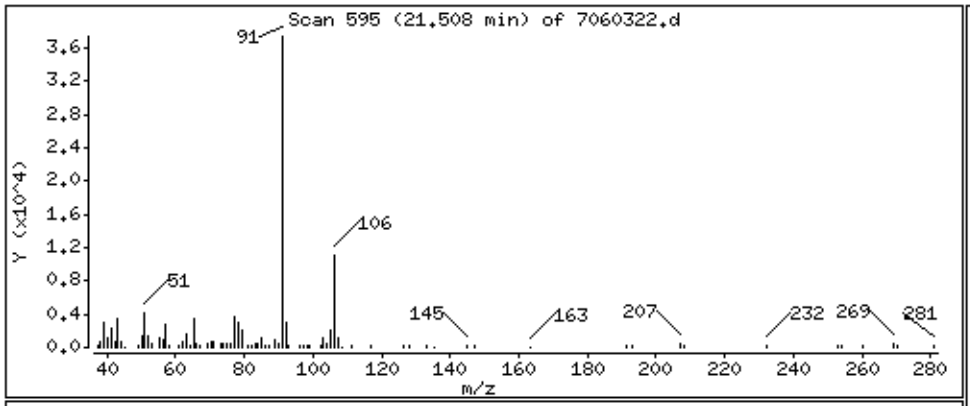
Operator: ab

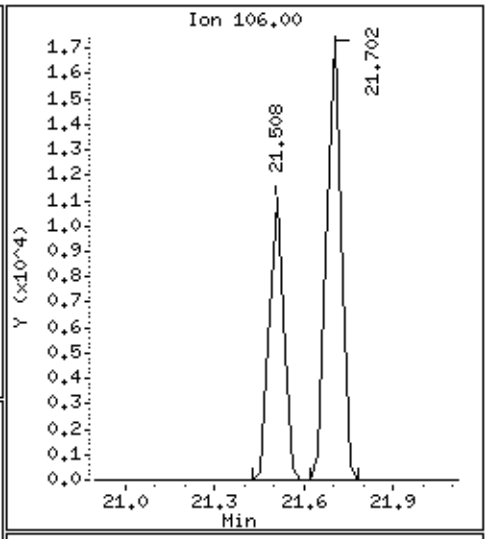
Column phase: RTx-624

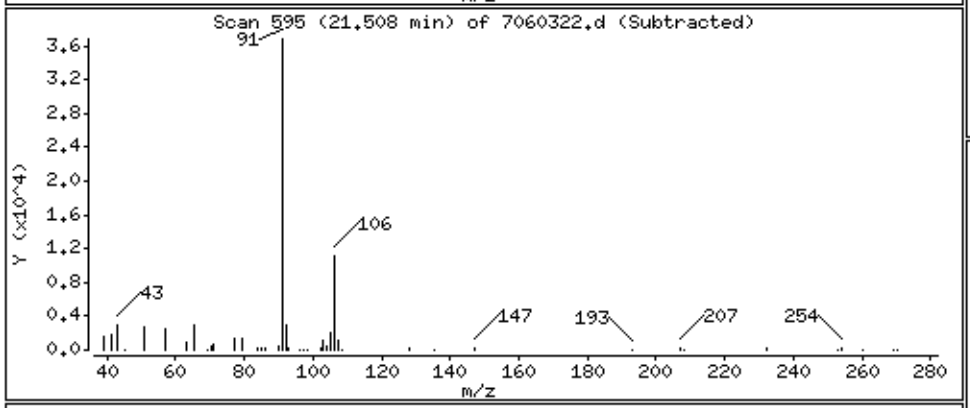
Column diameter: 0.53

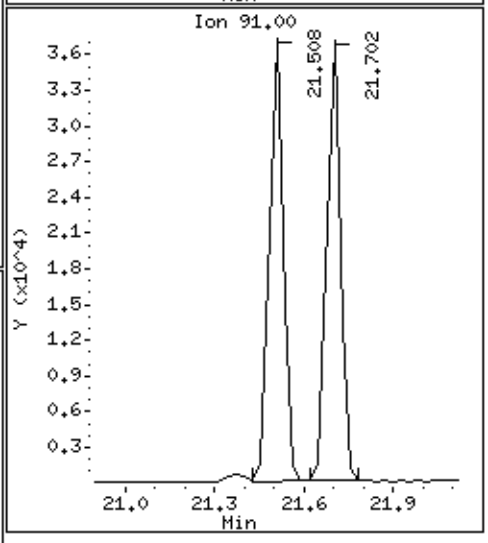
128 Ethyl Benzene

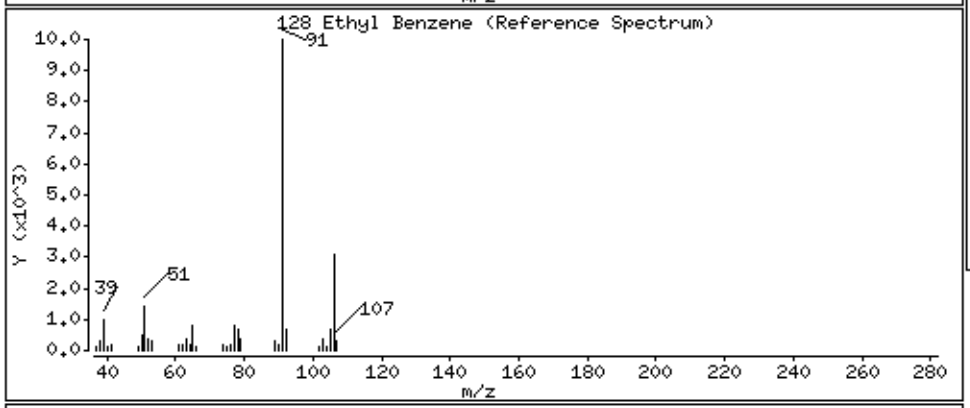
Concentration: 1.892 PPBV

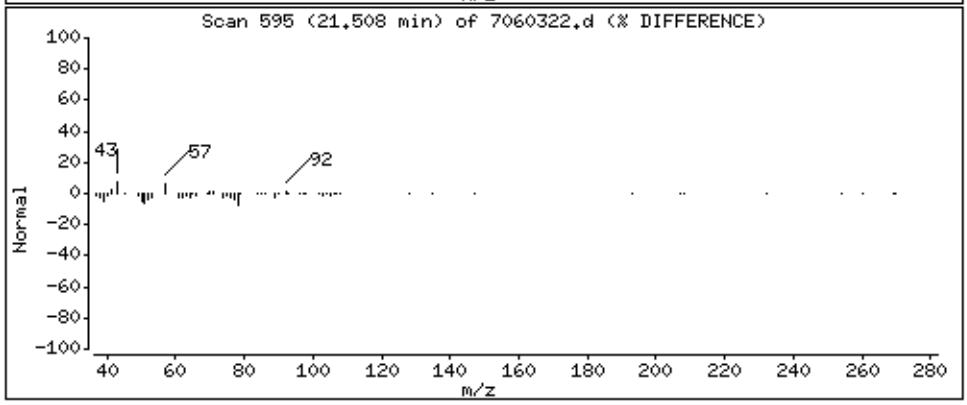












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

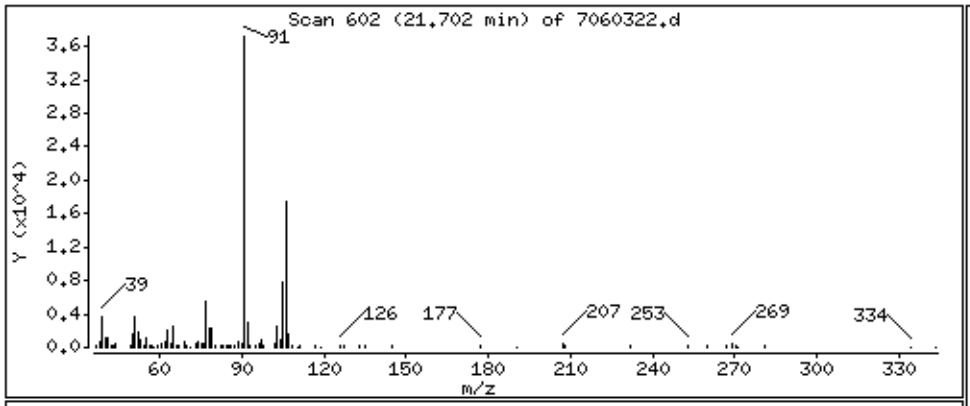
Operator: ab

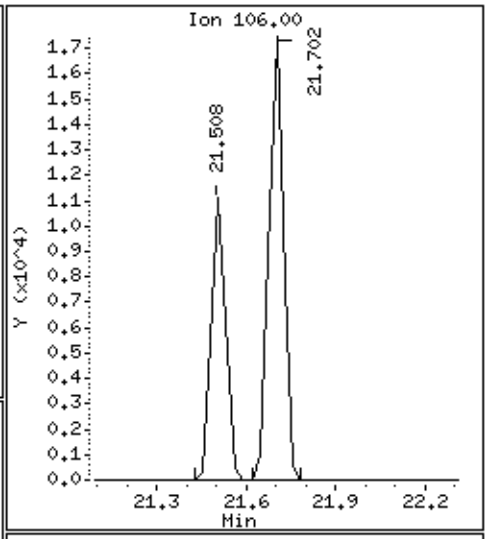
Column phase: RTx-624

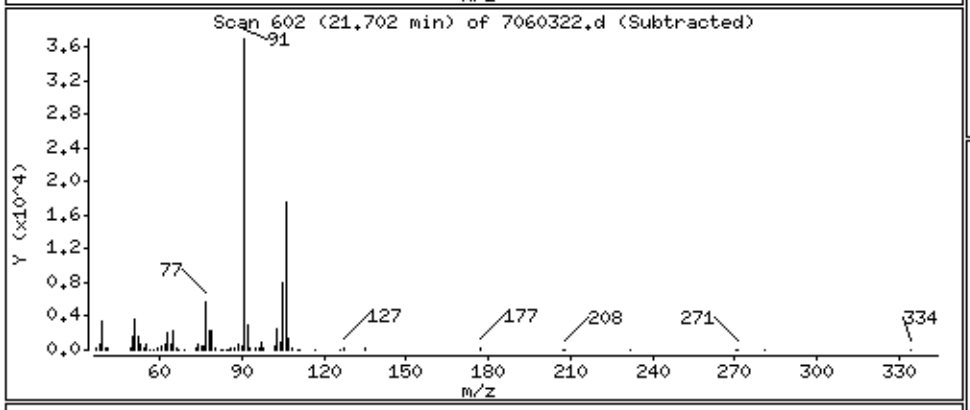
Column diameter: 0.53

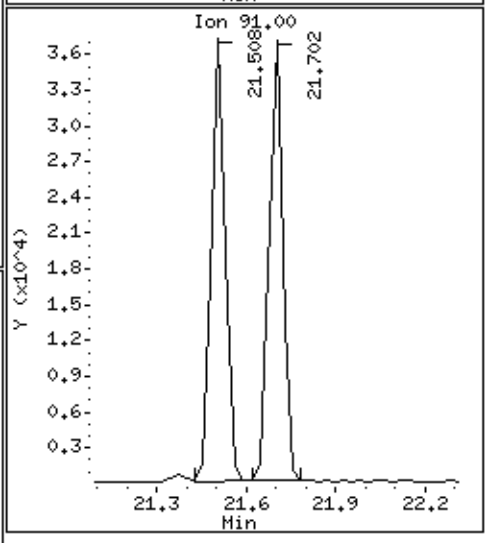
129 m,p-Xylene

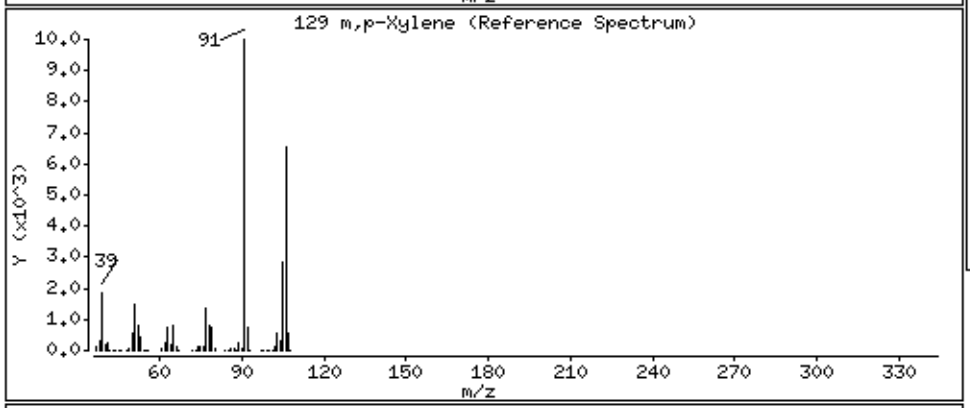
Concentration: 2.401 PPBV

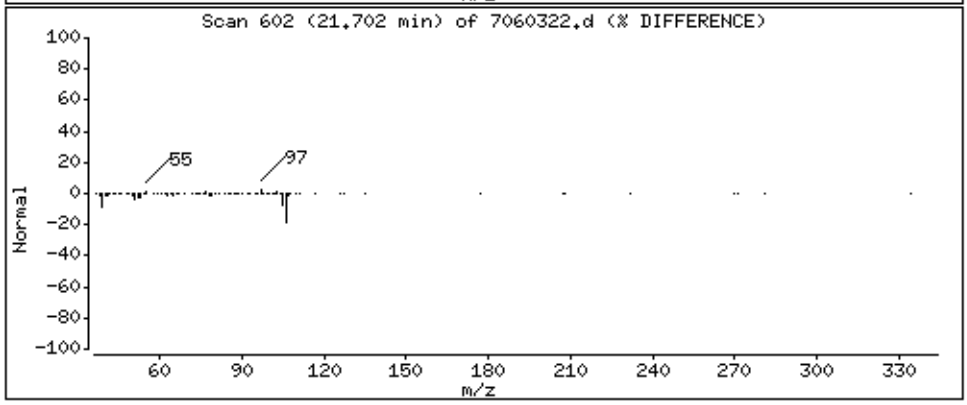












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

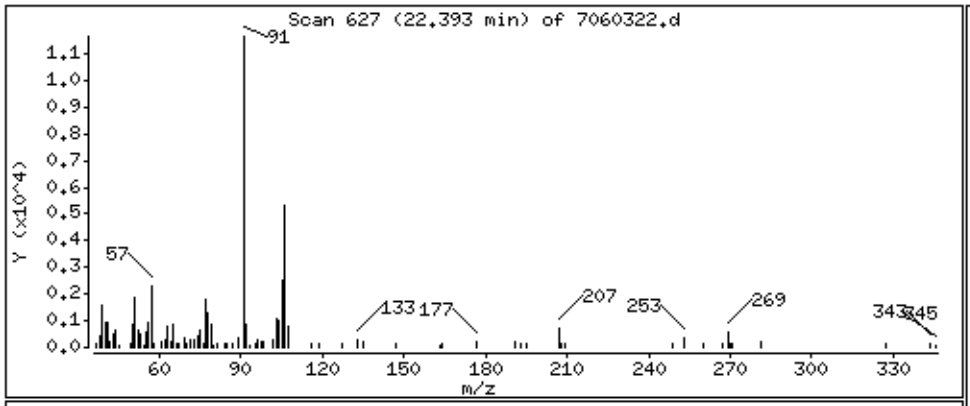
Operator: ab

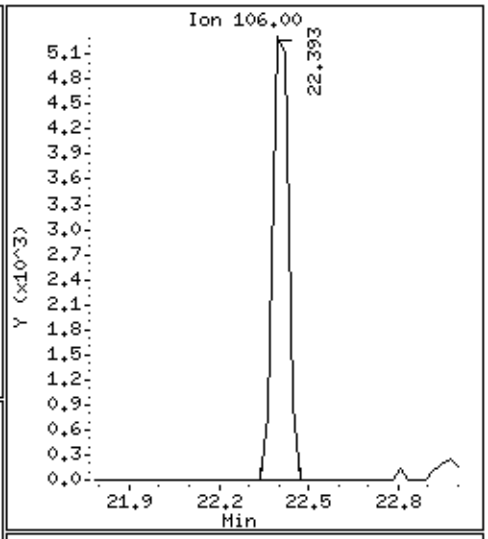
Column phase: RTx-624

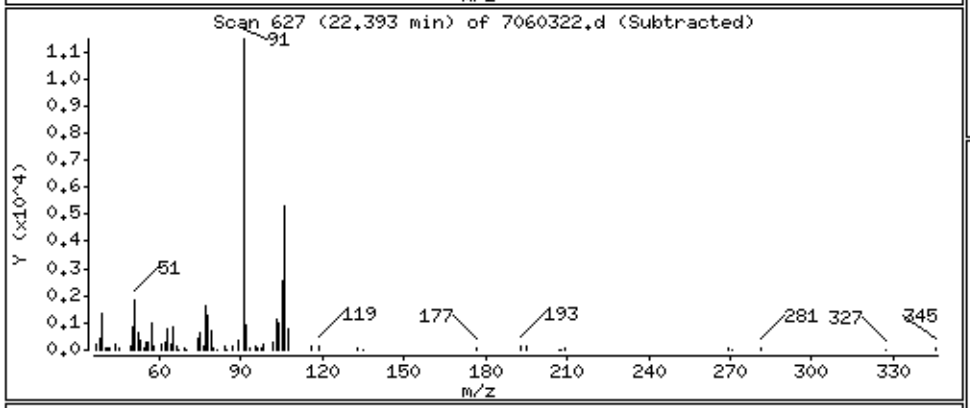
Column diameter: 0.53

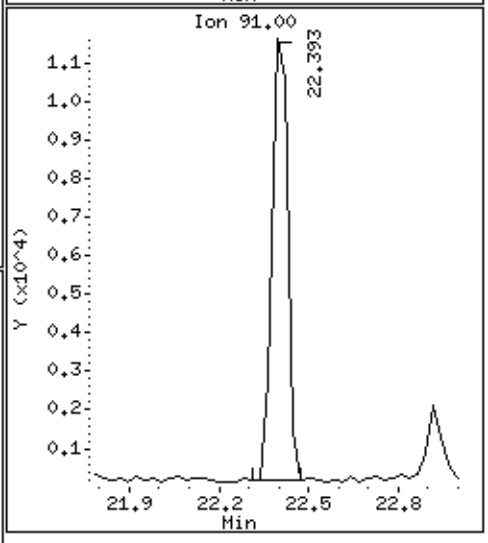
130 o-Xylene

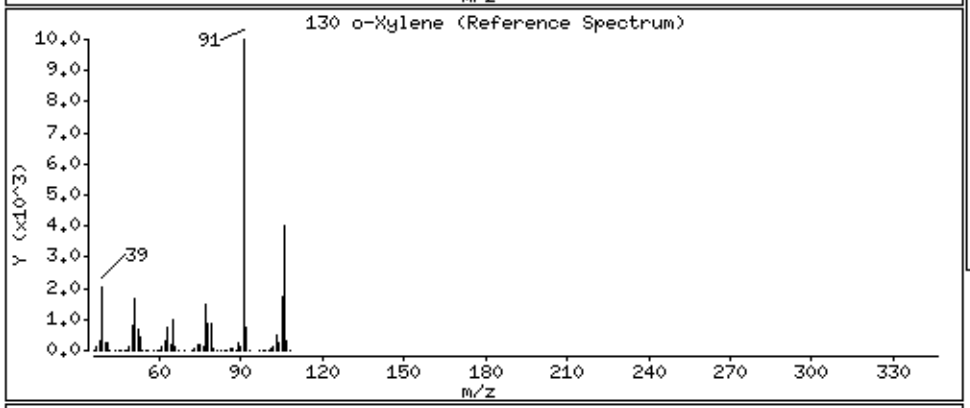
Concentration: 0.9067 PPBV

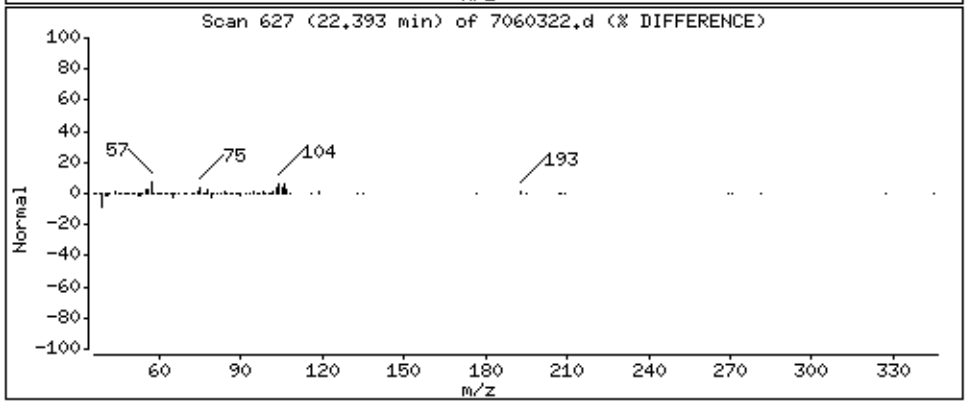












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

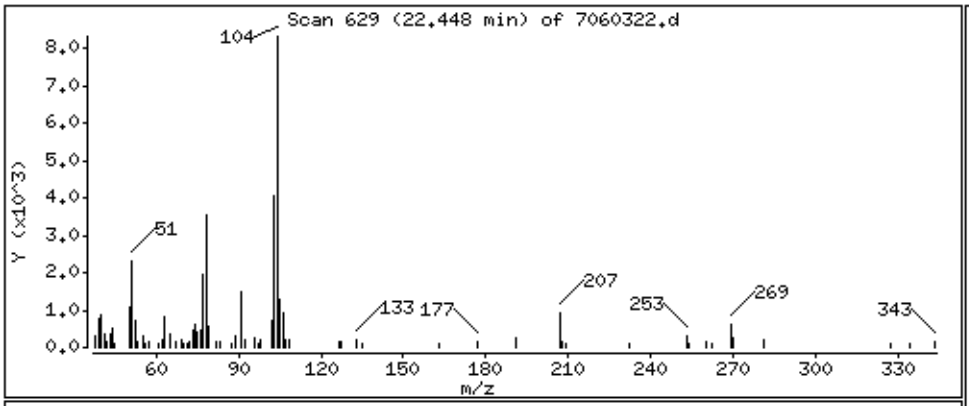
Operator: ab

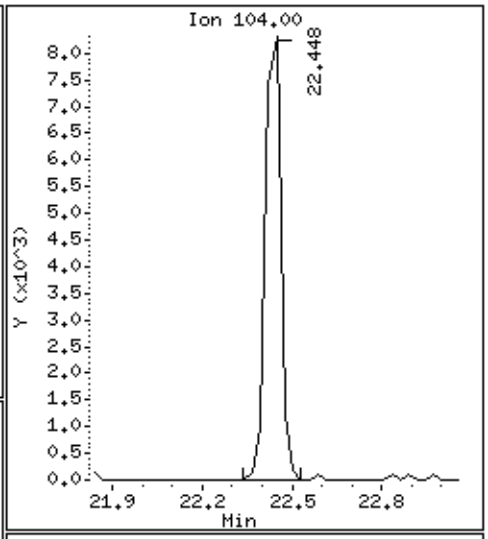
Column phase: RTx-624

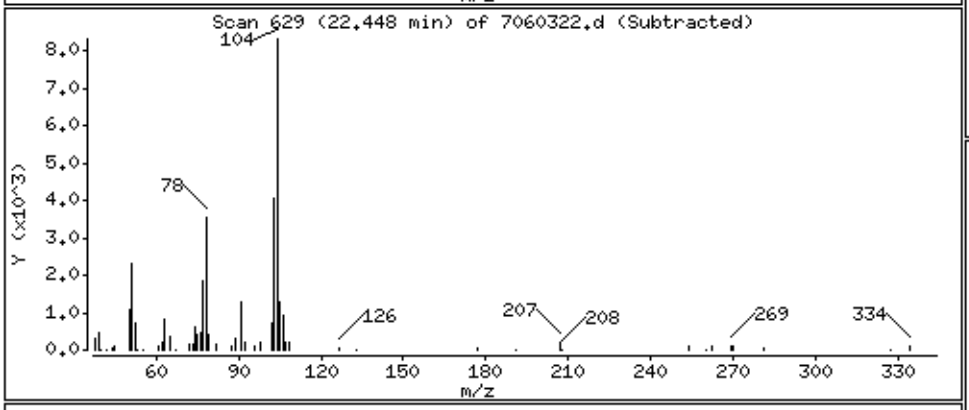
Column diameter: 0.53

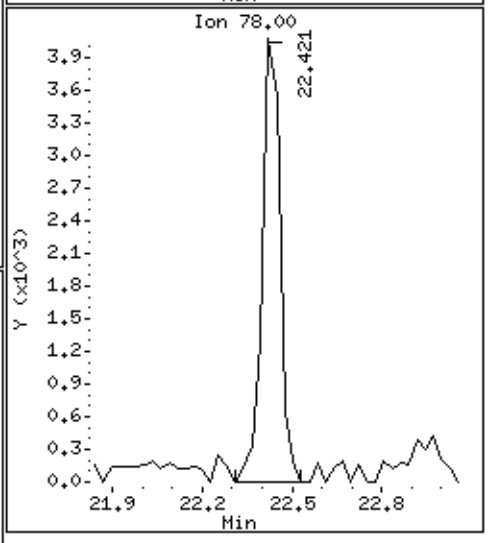
131 Styrene

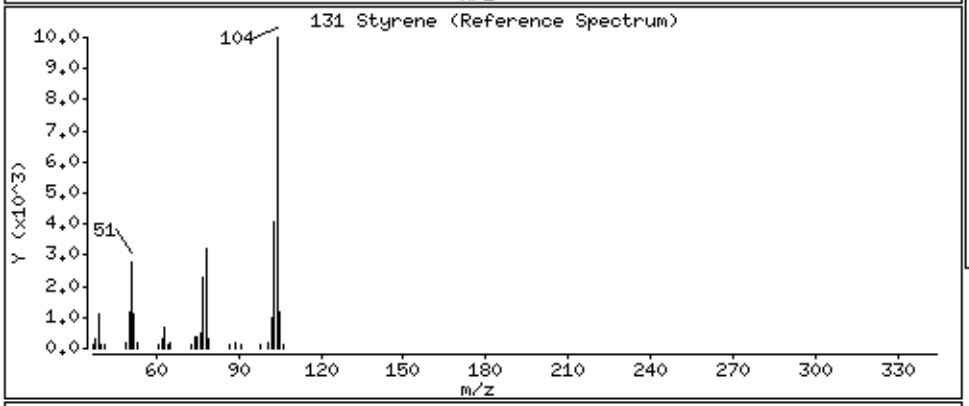
Concentration: 0.8204 PPBV

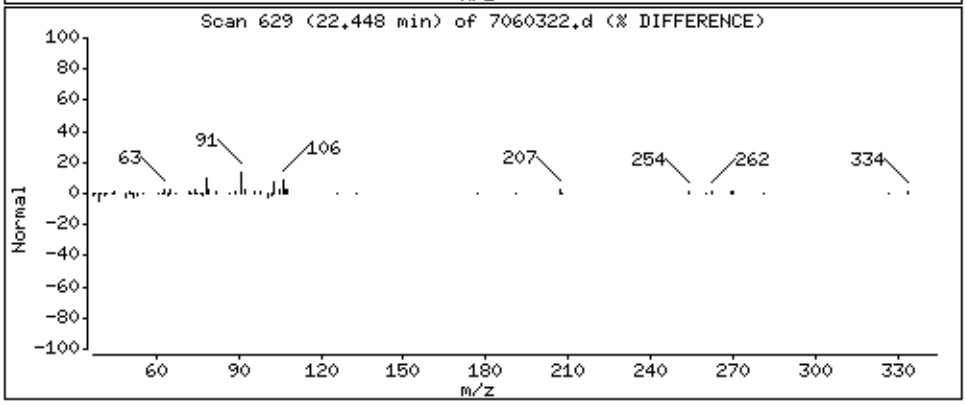












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

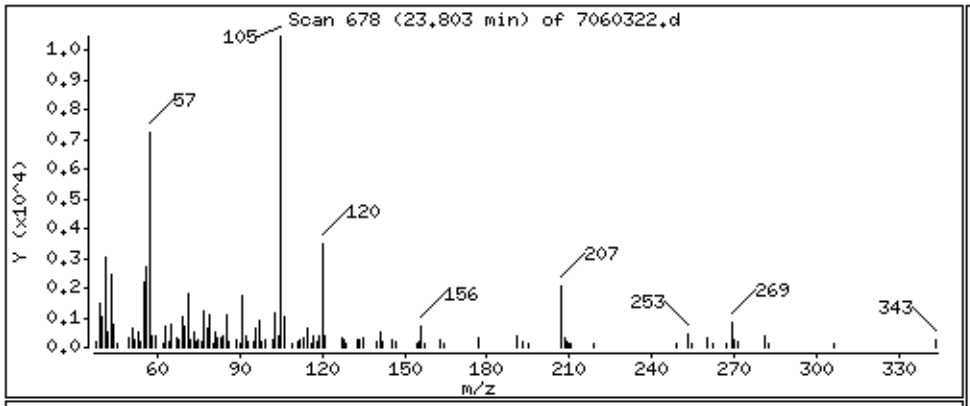
Operator: ab

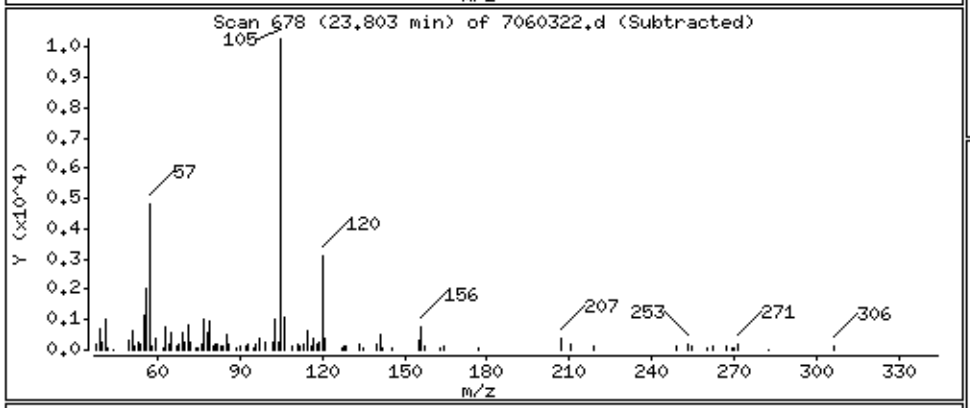
Column phase: RTx-624

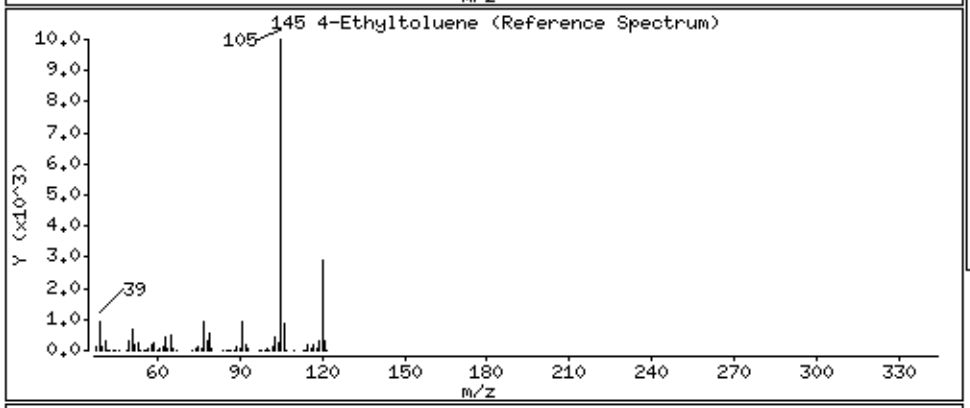
Column diameter: 0.53

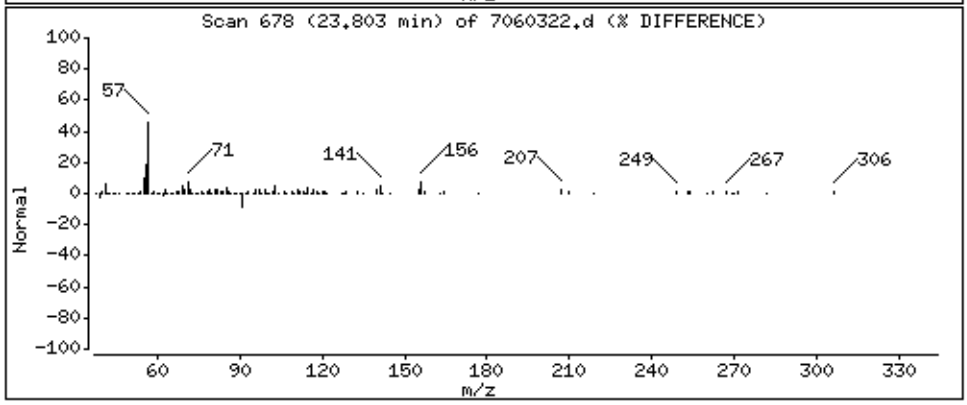
145 4-Ethyltoluene

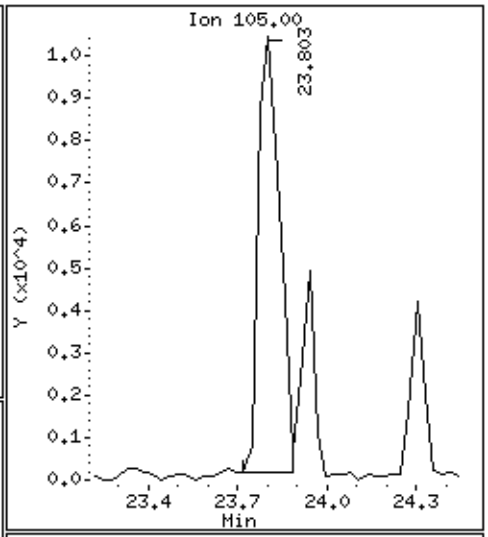
Concentration: 0.8220 PPBV

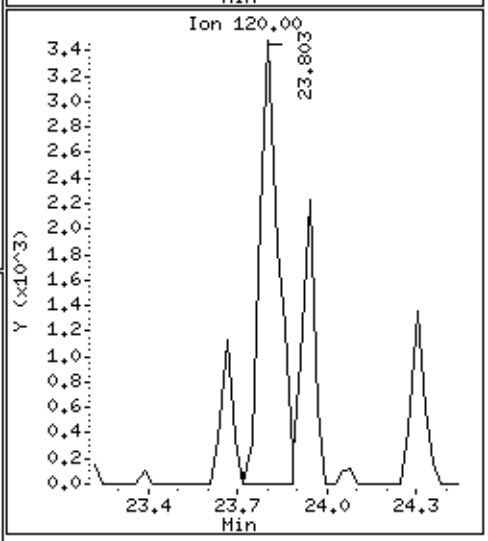












Data File: /chem/msd7.i/7-03jun.b/7060322.d

Date : 04-JUN-2007 00:05

Client ID:

Instrument: msd7.i

Sample Info: 200ml #33908

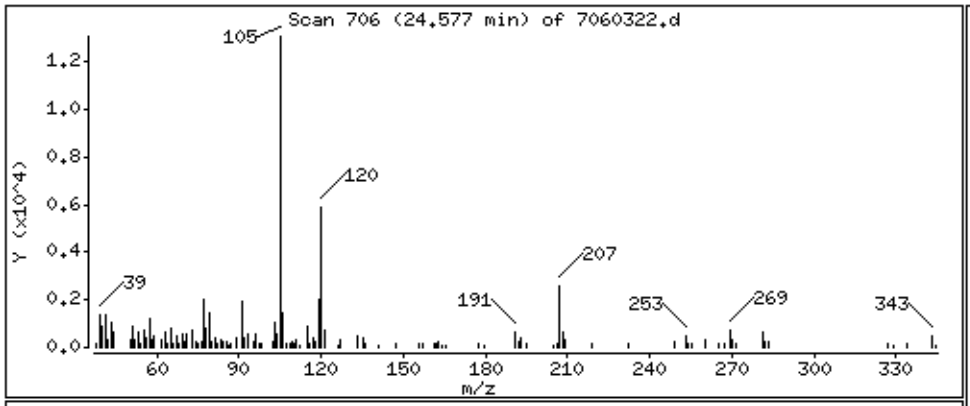
Operator: ab

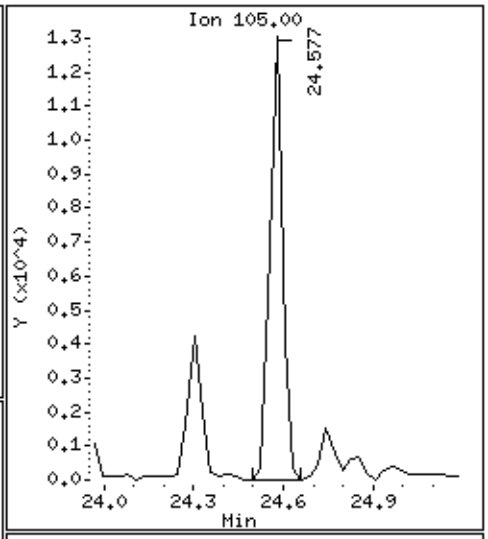
Column phase: RTx-624

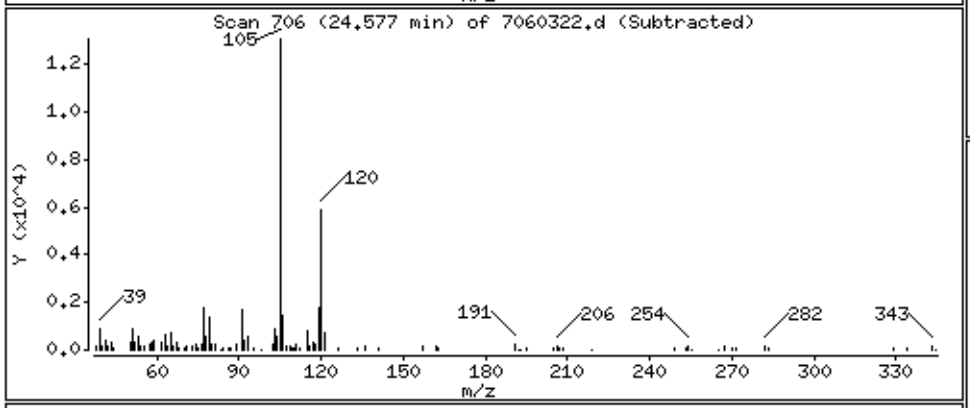
Column diameter: 0.53

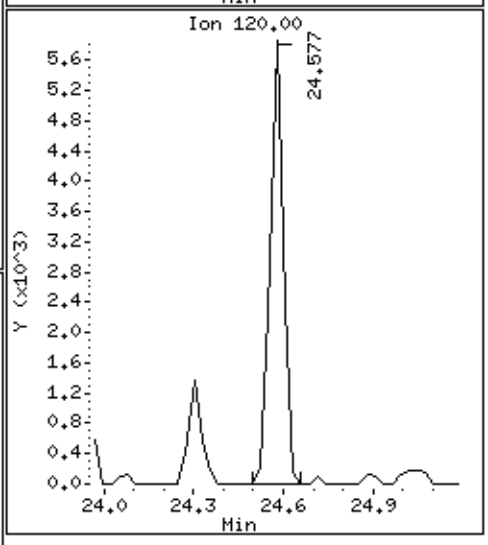
150 1,2,4-Trimethylbenzene

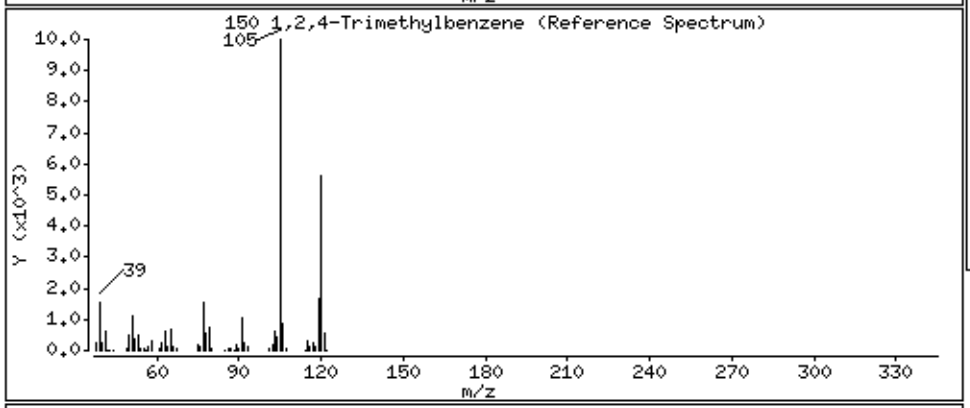
Concentration: 0.7838 PPBV

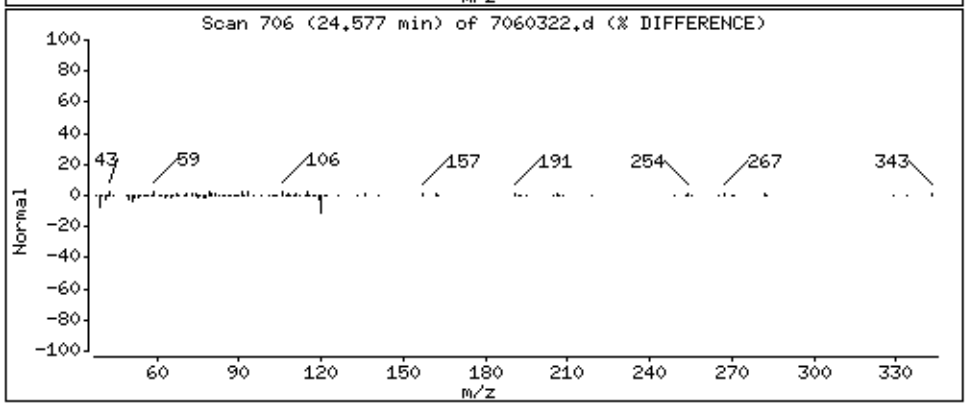












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS2 Downwind

Lab ID#: 0705584-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.90	4.1	3.4	16
Tetrachloroethene	0.90	1.4	6.1	9.8
Styrene	0.90	1.2	3.8	5.0
Acetone	3.6	5.8	8.5	14
2-Butanone (Methyl Ethyl Ketone)	0.90	0.89 J	2.6	2.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS2 Downwind

Lab ID#: 0705584-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060323**	**Date of Collection:**	**5/24/07**
Dil. Factor:	**1.79**	**Date of Analysis:**	**6/4/07 12:56 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.90	Not Detected	4.4	Not Detected
Freon 114	0.90	Not Detected	6.2	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Chloroform	0.90	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.90	Not Detected	3.6	Not Detected
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	4.1	3.4	16
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	1.4	6.1	9.8
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	Not Detected	3.9	Not Detected
m,p-Xylene	0.90	Not Detected	3.9	Not Detected
o-Xylene	0.90	Not Detected	3.9	Not Detected
Styrene	0.90	1.2	3.8	5.0
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS2 Downwind

Lab ID#: 0705584-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060323**	**Date of Collection: 5/24/07**	
Dil. Factor:	**1.79**	**Date of Analysis: 6/4/07 12:56 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.90	Not Detected	3.7	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
Chloromethane	3.6	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected
Acetone	3.6	5.8	8.5	14
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	3.6	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	0.89 J	2.6	2.6
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	3.6	Not Detected	15	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	3.6	Not Detected	6.7	Not Detected
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
3-Chloropropene	3.6	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Naphthalene	3.6	Not Detected	19	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03jun.b/7060323.d
Lab Smp Id: 0705584-02A
Inj Date : 04-JUN-2007 00:56
Operator : ab Inst ID: msd7.i
Smp Info : 200ml #34403
Misc Info : 7.5"Hg -> 5psi
Comment :
Method : /chem/msd7.i/7-03jun.b/t14q524b.m
Meth Date : 05-Jun-2007 08:49 cleonard Quant Type: ISTD
Cal Date : 30-MAY-2007 11:46 Cal File: 7053005.d
Als bottle: 1
Dil Factor: 1.79000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.402	14.402 (1.000)	130	311232	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	240633			26.71- 126.71	77.32
14.402	14.402 (1.000)	49	443506			158.01- 258.01	142.50
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1315023	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	215789			0.00- 66.16	16.41
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1009340	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	615020			11.83- 111.83	60.93
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	489539	23.4356	23.436	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	240277			2.55- 102.55	49.08
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1291488	24.2779	24.278	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	142241			0.00- 61.67	11.01

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.771	18.771 (1.161)	100	848697			16.85- 116.85	65.71
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	549404	25.1965	25.196	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	755206			86.06- 186.06	137.46
23.361	23.361 (1.093)	176	523966			45.53- 145.53	95.37
45 Acetone					CAS #: 67-64-1		
10.504	10.476 (0.729)	58	34225	3.26328	5.841	80.00- 120.00	100.00
10.504	10.476 (0.729)	43	124194			283.72- 383.72	362.87
75 2-Butanone					CAS #: 78-93-3		
13.932	13.905 (0.967)	72	4923	0.49758	0.8907	80.00- 120.00	100.00(a)
13.905	13.905 (0.965)	43	27541			355.61- 455.61	559.33
13.905	13.905 (0.965)	57	1780			0.00- 89.31	36.15
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	148820	2.30942	4.134	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	91420			11.15- 111.15	61.43
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	21372	0.80693	1.444	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	16792			26.17- 126.17	78.57
19.849	19.849 (0.929)	131	16437			22.97- 122.97	76.91
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	31773	0.64995	1.163	80.00- 120.00	100.00
22.448	22.448 (1.050)	78	15153			3.10- 103.10	47.69

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: 7060323.d
Lab Smp Id: 0705584-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 7.5"Hg -> 5psi

Calibration Date: 03-JUN-2007
Calibration Time: 09:11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324266	194560	453972	311232	-4.02
97 1,4-Difluorobenze	1381938	829163	1934713	1315023	-4.84
126 Chlorobenzene-d5	1133267	679960	1586574	1009340	-10.94

		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.

Report Date: 06-Jun-2007 14:16

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-03jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0705584-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 7.5"Hg -> 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.436	93.74	70-130
$ 113 Toluene-d8	25.000	24.278	97.11	70-130
$ 137 Bromofluorobenzene	25.000	25.196	100.79	70-130

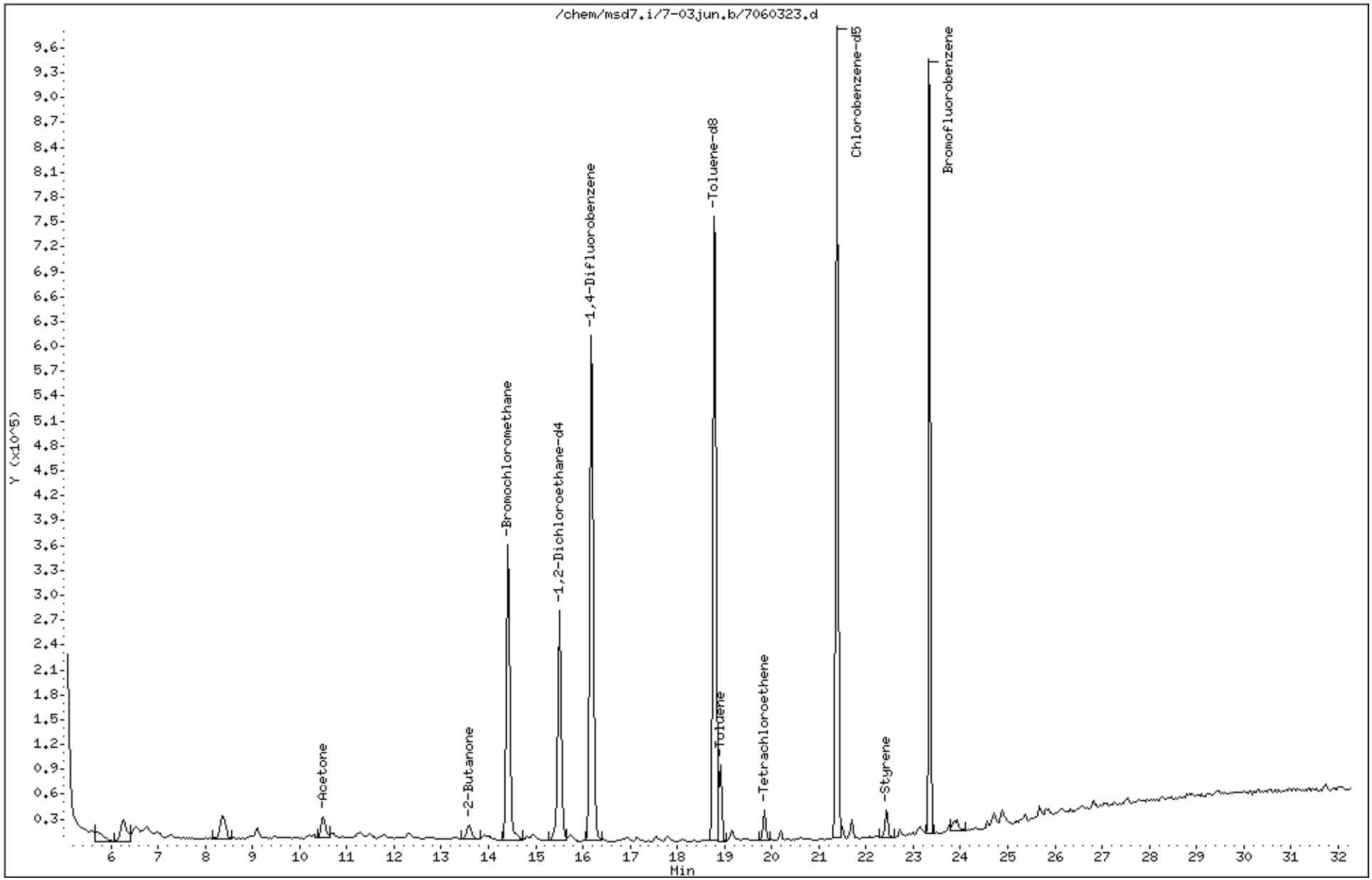
0040

Data File: /chem/msd7.i/7-03jun.b/7060323.d
Date : 04-JUN-2007 00:56
Client ID:
Sample Info: 200ml #34403

Instrument: msd7.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd7.i/7-03jun.b/7060323.d

Date : 04-JUN-2007 00:56

Client ID:

Instrument: msd7.i

Sample Info: 200ml #34403

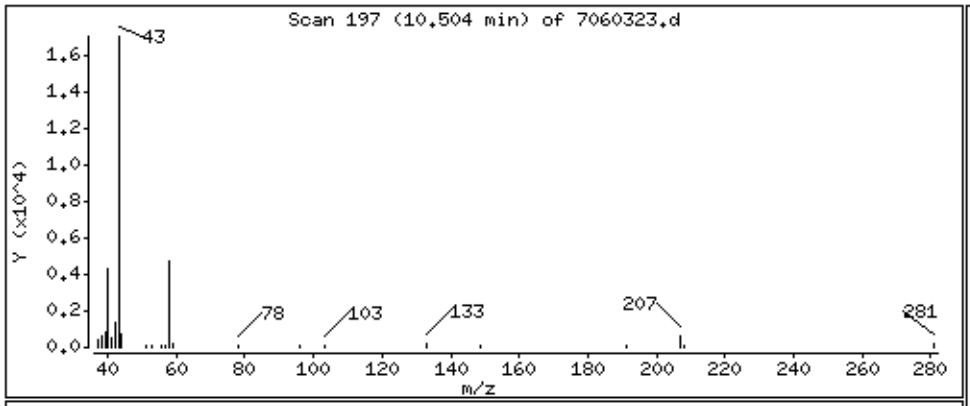
Operator: ab

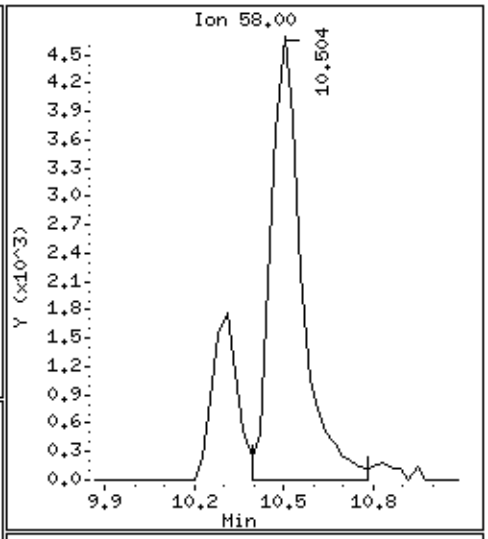
Column phase: RTx-624

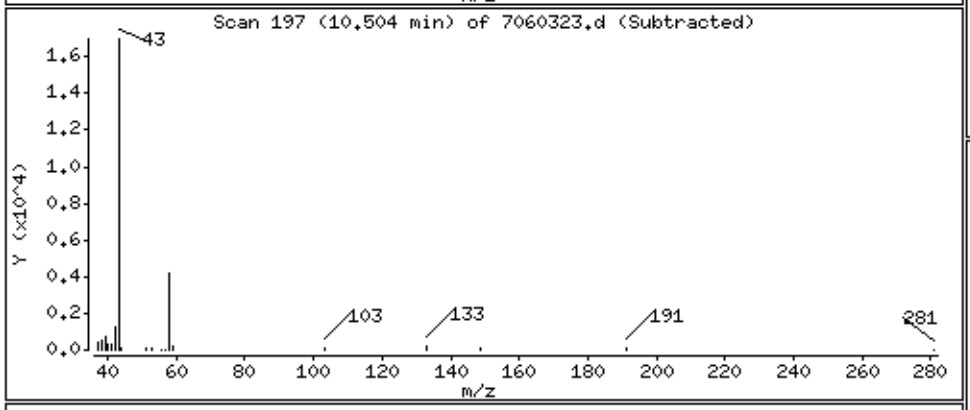
Column diameter: 0.53

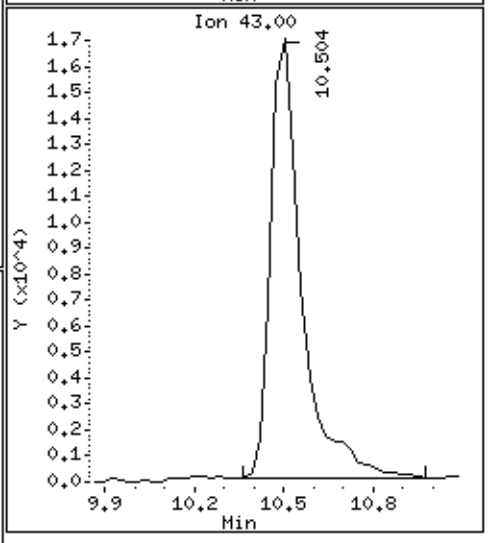
45 Acetone

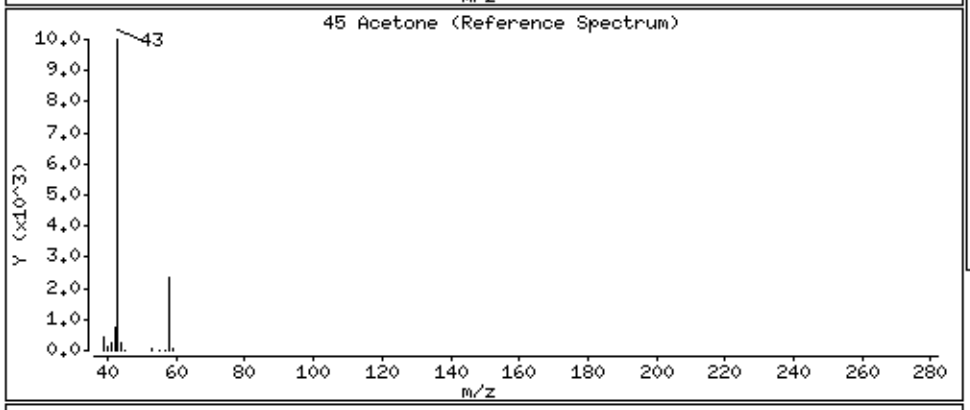
Concentration: 5.841 PPBV

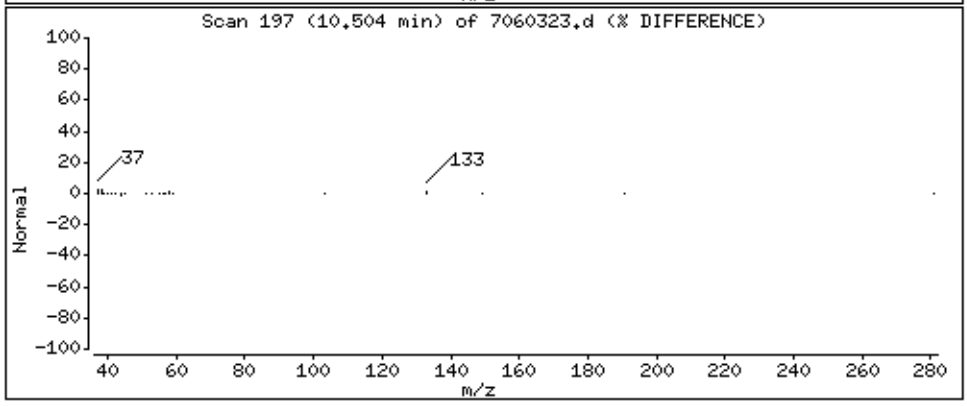












Data File: /chem/msd7.i/7-03jun.b/7060323.d

Date : 04-JUN-2007 00:56

Client ID:

Instrument: msd7.i

Sample Info: 200ml #34403

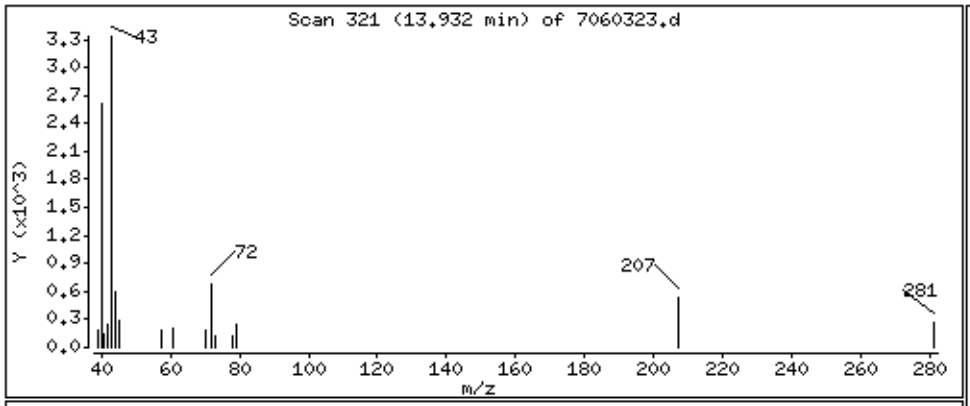
Operator: ab

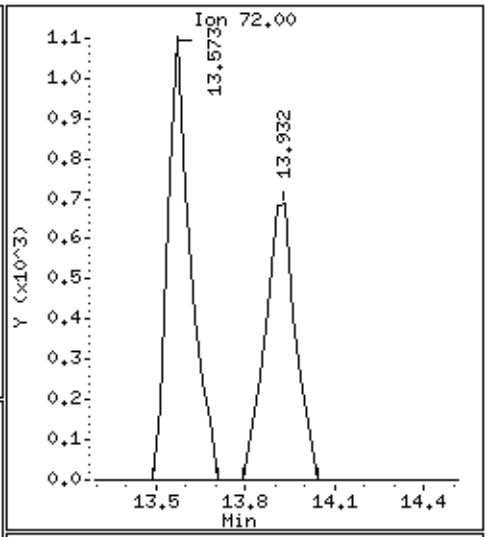
Column phase: RTx-624

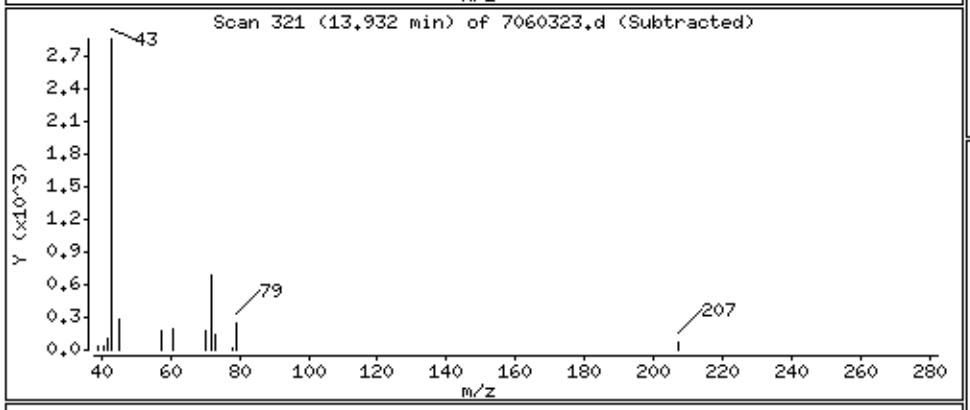
Column diameter: 0.53

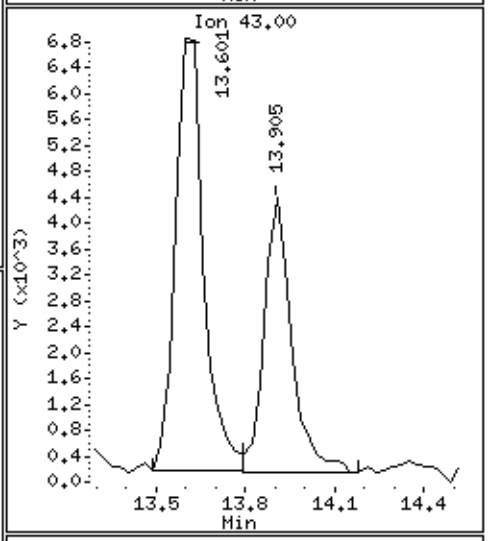
75 2-Butanone

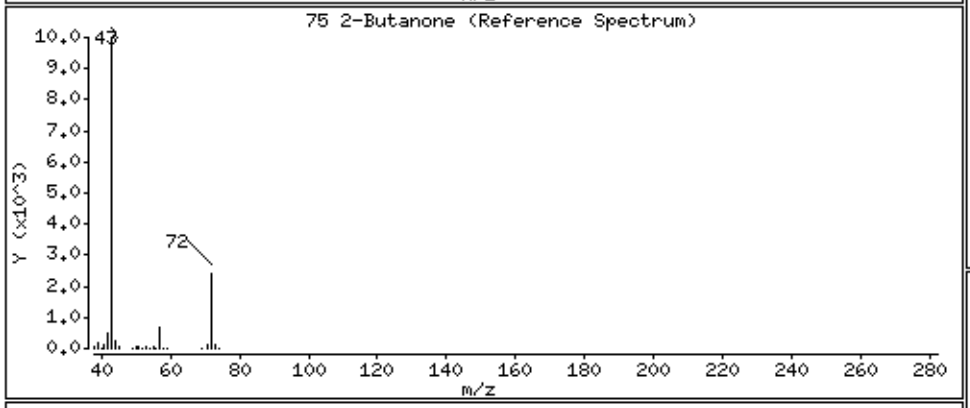
Concentration: 0.8907 PPBV

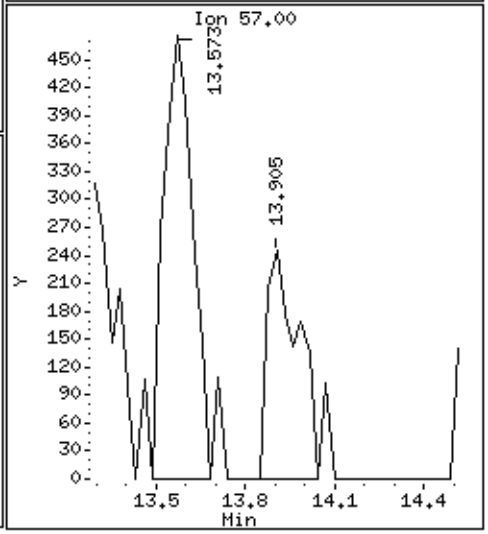


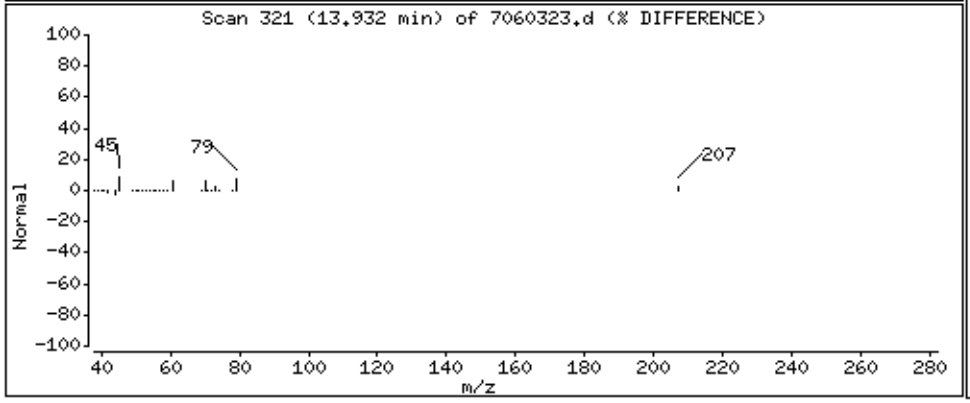












Data File: /chem/msd7.i/7-03jun.b/7060323.d

Date : 04-JUN-2007 00:56

Client ID:

Instrument: msd7.i

Sample Info: 200ml #34403

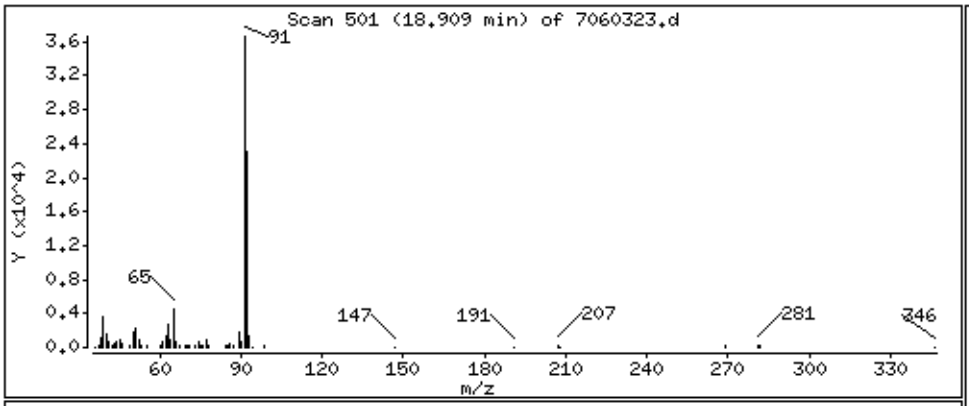
Operator: ab

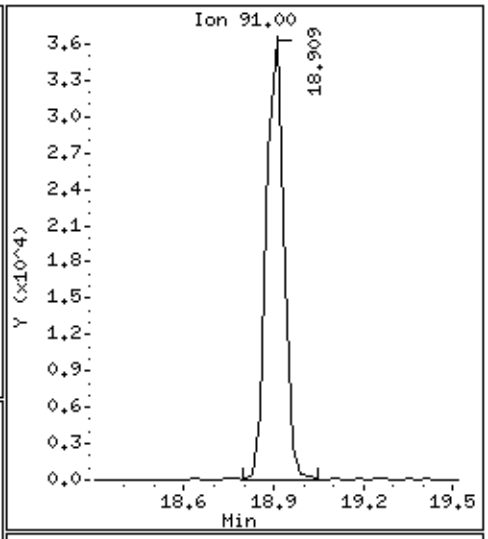
Column phase: RTx-624

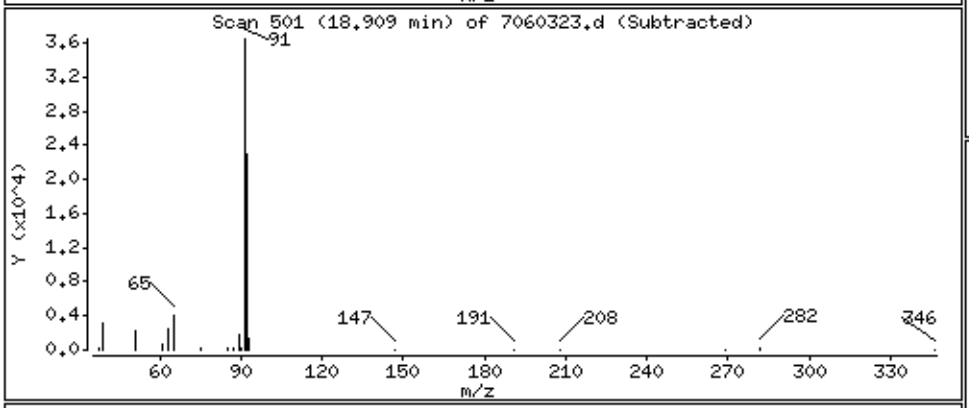
Column diameter: 0.53

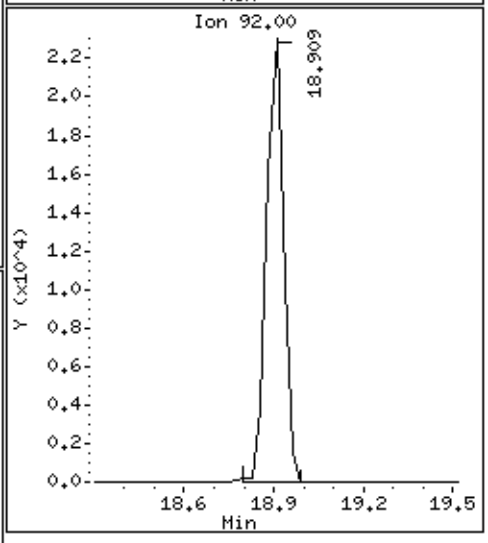
114 Toluene

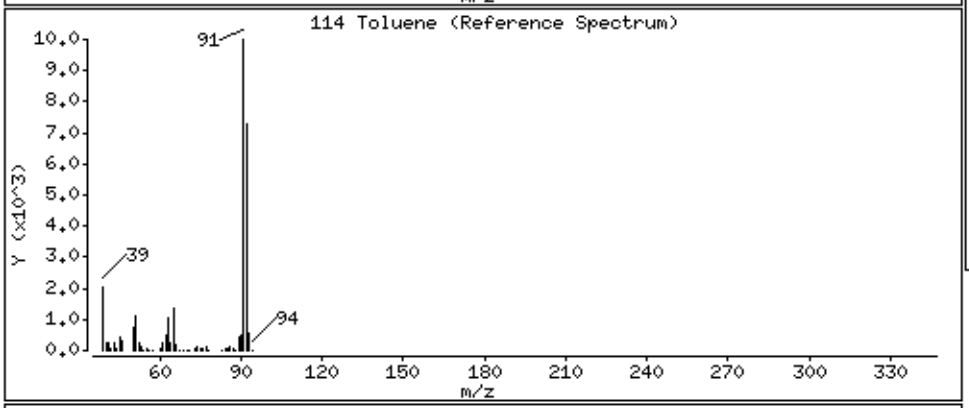
Concentration: 4.134 PPBV

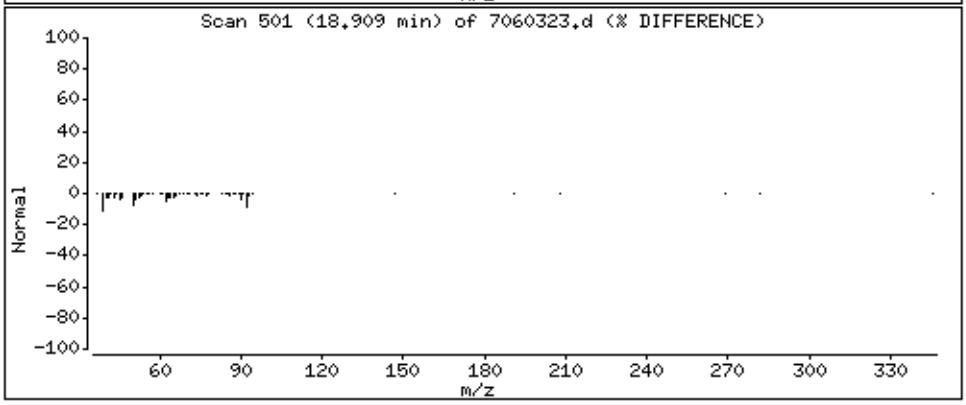












Data File: /chem/msd7.i/7-03jun.b/7060323.d

Date : 04-JUN-2007 00:56

Client ID:

Instrument: msd7.i

Sample Info: 200ml #34403

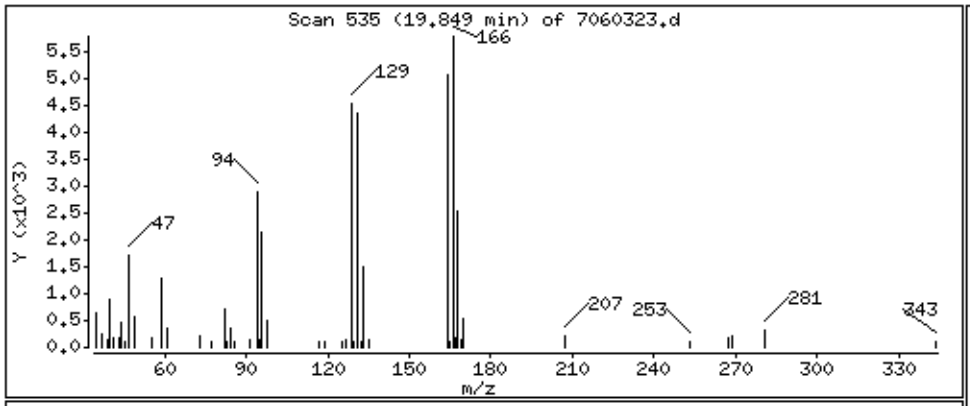
Operator: ab

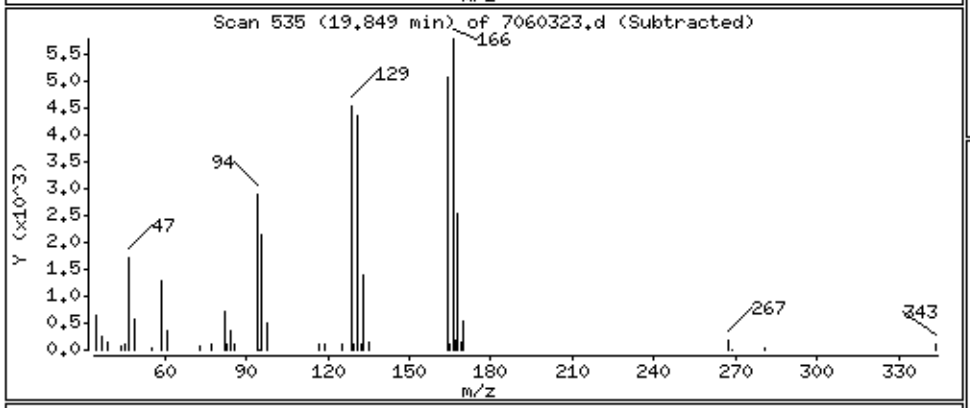
Column phase: RTx-624

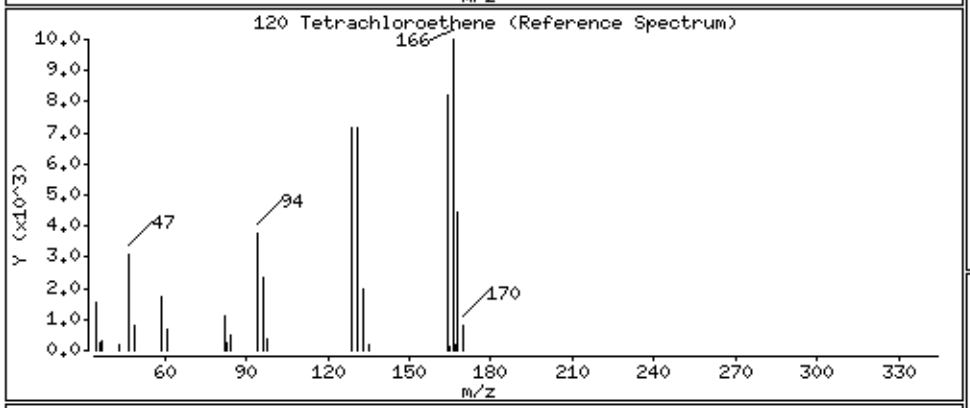
Column diameter: 0.53

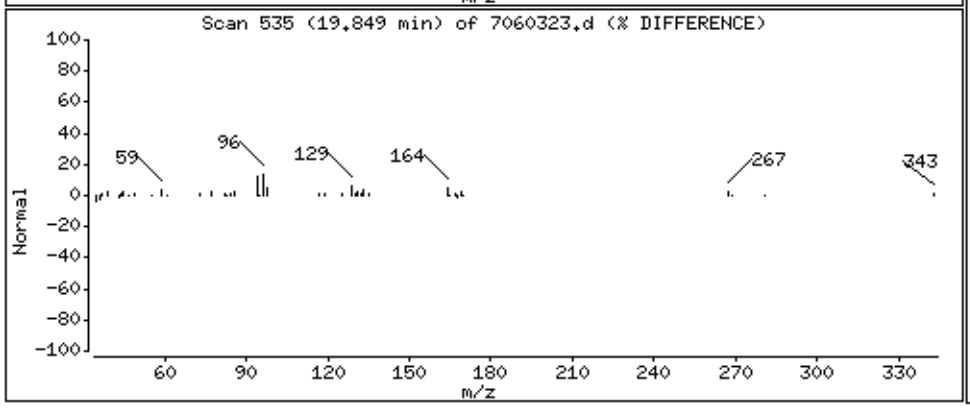
120 Tetrachloroethene

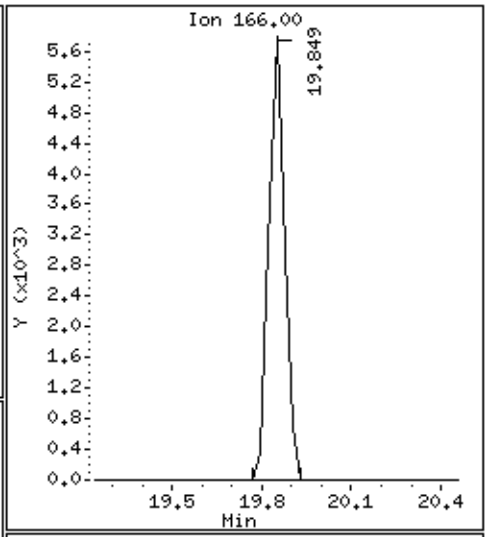
Concentration: 1.444 PPBV

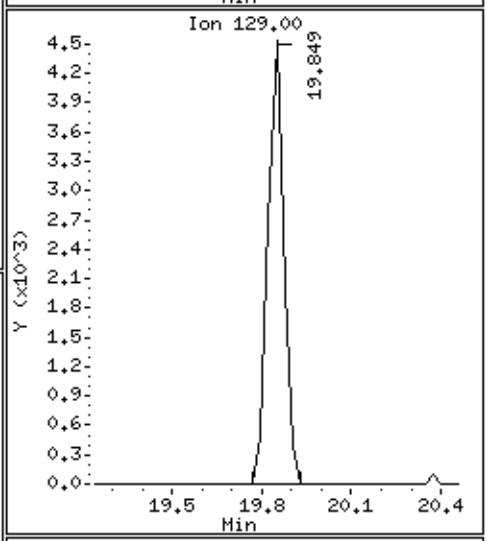


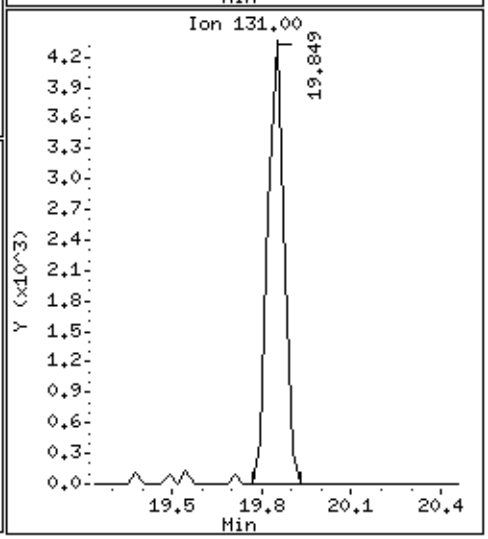












Data File: /chem/msd7.i/7-03jun.b/7060323.d

Date : 04-JUN-2007 00:56

Client ID:

Instrument: msd7.i

Sample Info: 200ml #34403

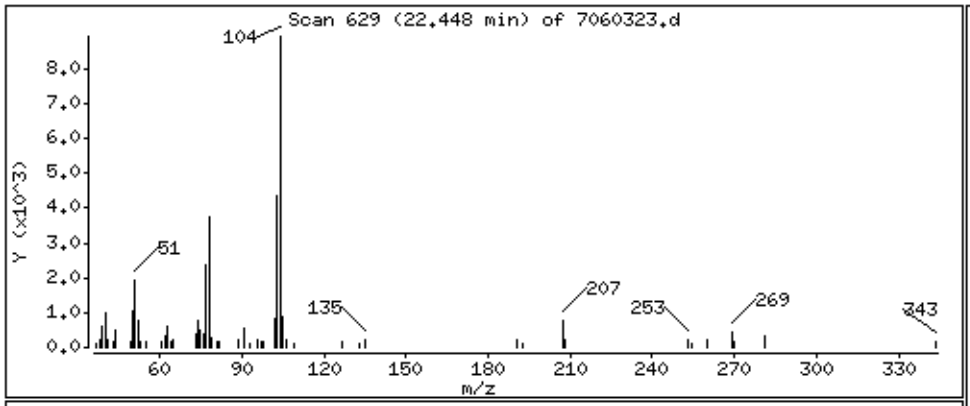
Operator: ab

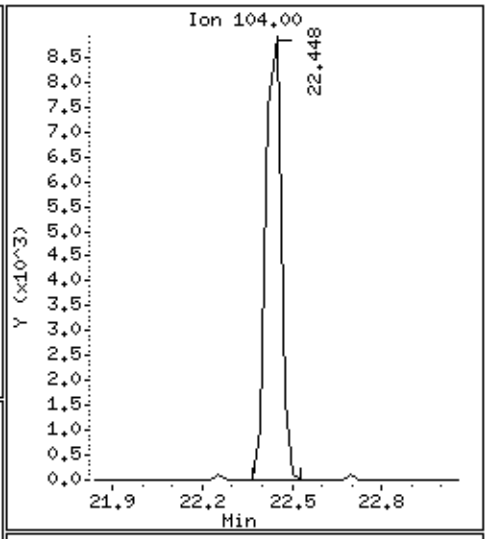
Column phase: RTx-624

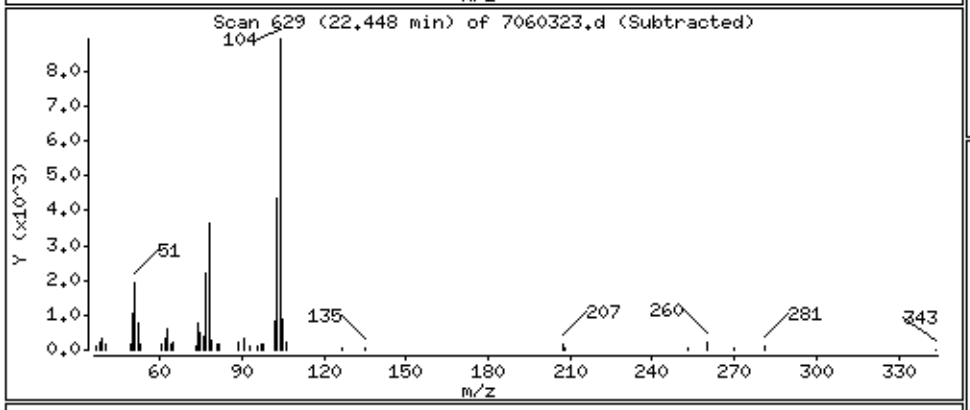
Column diameter: 0.53

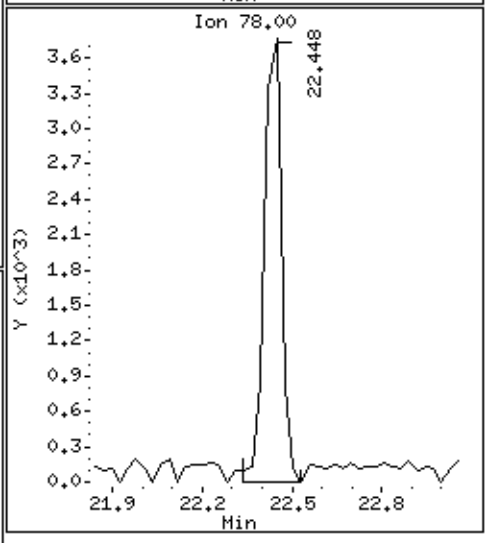
131 Styrene

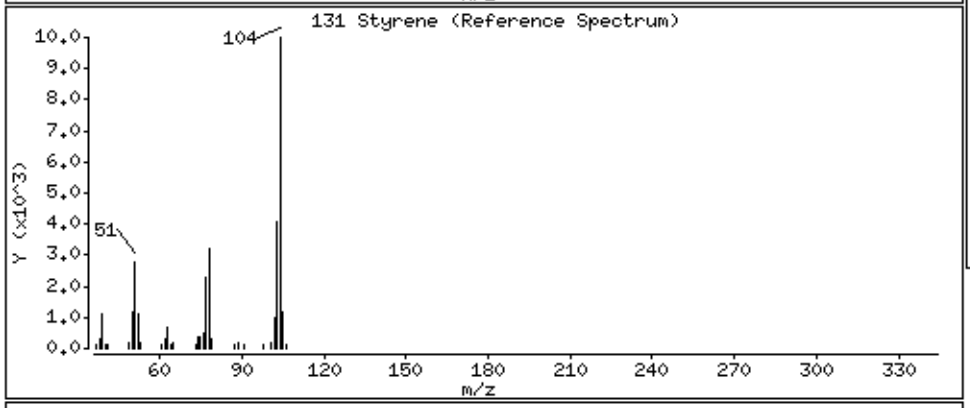
Concentration: 1.163 PPBV

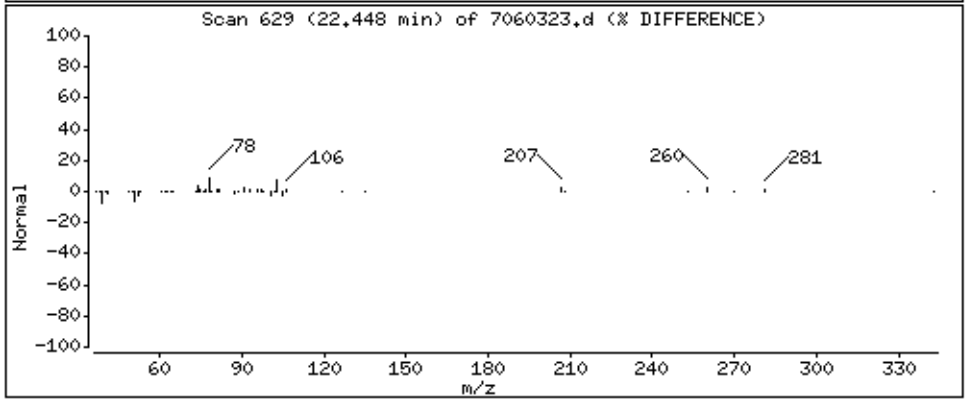












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705584-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 10:40 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0705584-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 10:40 AM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03jun.b/7060304.d
Lab Smp Id: lab blank
Inj Date : 03-JUN-2007 10:40
Operator : lmr Inst ID: msd7.i
Smp Info : 200ml #34393
Misc Info : humid
Comment :
Method : /var/chem/msd7.i/7-03jun.b/t14q524b.m
Meth Date : 03-Jun-2007 09:32 lrandolp Quant Type: ISTD
Cal Date : 30-MAY-2007 11:46 Cal File: 7053005.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.430	14.402 (1.000)	130	321167	25.0000		80.00- 120.00	100.00
14.430	14.402 (1.000)	128	243631			26.71- 126.71	75.86
14.403	14.402 (1.000)	49	431475			158.01- 258.01	134.35
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1310170	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	212533			0.00- 66.16	16.22
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1021469	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	621494			11.83- 111.83	60.84
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.075)	65	485010	22.5005	22.500	80.00- 120.00	100.00
15.508	15.508 (1.075)	67	241583			2.55- 102.55	49.81
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.799	18.771 (1.162)	98	1269609	23.9550	23.955	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	139236			0.00- 61.67	10.97

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 (1.162)	100	838174			16.85- 116.85	66.02
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	563897	25.5541	25.554	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	769757			86.06- 186.06	136.51
23.361	23.361 (1.093)	176	542587			45.53- 145.53	96.22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7060304.d
Lab Smp Id: lab blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /var/chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: humid

Calibration Date: 03-JUN-2007
Calibration Time: 09:11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324266	194560	453972	321167	-0.96
97 1,4-Difluorobenze	1381938	829163	1934713	1310170	-5.19
126 Chlorobenzene-d5	1133267	679960	1586574	1021469	-9.87

		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.

Report Date: 03-Jun-2007 11:00

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-03jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: lab blank
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	22.500	90.00	70-130
$ 113 Toluene-d8	25.000	23.955	95.82	70-130
$ 137 Bromofluorobenzene	25.000	25.554	102.22	70-130

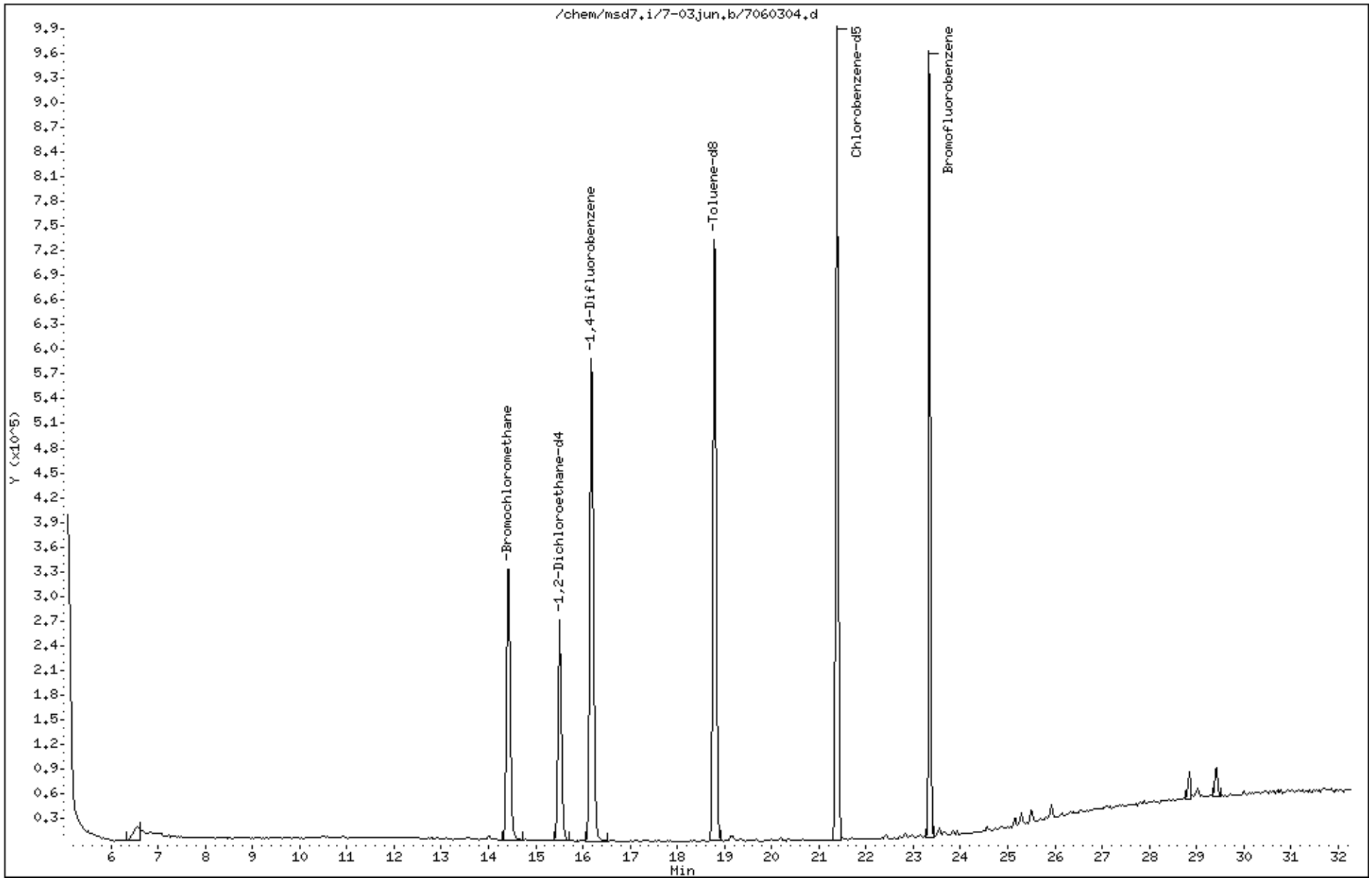
0053

Data File: /chem/msd7.i/7-03jun.b/7060304.d
Date : 03-JUN-2007 10:40
Client ID:
Sample Info: 200ml #34393

Instrument: msd7.i

Operator: lmr
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.: 0705584

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS6 Upwind	92		97		99				0
02	AMS2 Downwind	94		97		101				0
03	Lab Blank	90		96		102				0
04	CCV	98		97		105				0
05	LCS	95		98		107				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: 0705584

Lab File ID: 7060302.d | Date Analyzed: 06/03/2007

Instrument ID: msd7.i | Time Analyzed: 09:11 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1133267		21.37		1381938		16.17		324266		14.4	
	UPPER LIMIT	1586574		21.70		1934713		16.50		453972		14.73	
	LOWER LIMIT	679960		21.04		829163		15.84		194560		14.07	
	CLIENT SAMPLE NO												
01	AMS6 Upwind	1021024		21.37		1330406		16.17		315161		14.43	
02	AMS2 Downwind	1009340		21.37		1315023		16.17		311232		14.4	
03	Lab Blank	1021469		21.37		1310170		16.17		321167		14.43	
04	CCV	1133267		21.37		1381938		16.17		324266		14.4	
05	LCS	1104646		21.37		1350494		16.17		319395		14.43	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 ctaylor
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd7.i/7-24may.b/7052405.d
Level 2: /chem/msd7.i/7-24may.b/7052406.d
Level 3: /chem/msd7.i/7-30may.b/7053002.d
Level 4: /chem/msd7.i/7-30may.b/7053003.d
Level 5: /chem/msd7.i/7-30may.b/7053004.d
Level 6: /chem/msd7.i/7-24may.b/7052410.d
Level 7: /chem/msd7.i/7-30may.b/7053005.d

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
5 Freon 143a	+++++	+++++	1.12462	1.04202	1.05576	+++++		
	1.00919						1.05790	4.592
6 Freon142b	+++++	+++++	3.32207	3.19527	3.34017	+++++		
	3.17807						3.25890	2.578
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 ctaylor
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 Freon 13	+++++	+++++	0.96457	0.92195	1.02828	+++++	0.67309	0.89697	17.338
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Propylene	+++++	+++++	1.32751	1.35651	1.32011	1.26290	1.28773	1.31095	2.772
12 Dichlorodifluoromethane/Fr12	+++++	4.21950	4.93643	5.68942	5.55899	5.24798	5.38150	5.17230	10.339
13 Freon 134a	+++++	+++++	1.71114	1.64737	1.67506	+++++	1.60771	1.66032	2.634
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 Freon 152a	+++++	+++++	0.95994	0.97308	0.94224	+++++	0.92301	0.94957	2.291
16 Freon 114	+++++	2.48078	2.92540	3.46607	3.35155	3.19710	3.11146	3.08873	11.401
17 Freon 22	+++++	+++++	2.88295	2.96528	2.91912	+++++	2.93696	2.92608	1.178

Air Toxics Ltd.

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Start Cal Date : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 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
18 Chloromethane	+++++	+++++	1.38858	1.49455	1.44375	1.40187	1.40791	1.42733	2.996
19 Butane	+++++	+++++	0.42309	0.36167	0.33139	0.33101	0.33221	0.35587	11.178
20 Vinyl Chloride	+++++	1.44902	1.83806	2.05370	1.96160	1.89424	1.89118	1.84797	11.312
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 1,3-Butadiene	+++++	1.10353	1.30840	1.46207	1.42352	1.38745	1.42800	1.35216	9.806
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Bromomethane	+++++	1.23713	1.39905	1.48666	1.42144	1.54611	1.58294	1.44555	8.577
26 Methanol	+++++	+++++	+++++	0.42136	0.43095	+++++	0.43051	0.42761	1.266
27 Chloroethane	+++++	0.85476	0.76354	0.98355	0.96832	0.96369	0.99217	0.92101	9.977

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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	+++++	+++++	2.31531	2.33900	2.26051	2.18956	2.16827	2.25453	3.329
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	3.57158	4.57008	5.55014	5.36336	5.20550	5.17466	4.90589	14.922
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.80910	2.73671	2.78332	+++++	2.71715	2.76157	1.525
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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	+++++	+++++	0.62504	0.64394	0.64089	0.64208	0.62671	0.63573	1.429
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	1.77265	1.74148	1.81049	+++++	1.75825	1.77072	1.661
41 Freon123	+++++	+++++	1.11811	0.98337	1.04536	+++++	1.00978	1.03915	5.624
42 Freon 113	+++++	1.62471	2.40357	2.82722	2.71836	2.61391	2.55914	2.45782	17.604
43 1,1-Dichloroethene	+++++	2.17345	2.86938	3.42424	3.28534	3.12750	3.10318	2.99718	14.835
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Acetone	+++++	+++++	0.80812	0.84979	0.86465	0.84103	0.84869	0.84245	2.494
46 2-Propanol	+++++	+++++	2.59121	3.45922	3.46148	3.38272	3.41260	3.26145	11.533
47 Carbon Disulfide	+++++	3.21956	4.55977	5.75239	5.59627	5.44309	5.47567	5.00779	19.376

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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	+++++	+++++	0.74729	0.99636	0.97424	0.96765	0.97449	0.93201	11.140
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 Methylene Chloride	+++++	1.43614	1.79256	2.20198	2.11315	2.06239	2.09497	1.95020	14.730
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 tert-Butyl-Alcohol	+++++	+++++	3.20368	2.80604	2.58595	+++++	1.76630	2.59049	23.394

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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	+++++	2.18226	2.46440	2.38752	2.44478	2.52884	2.32055	2.38806	5.155
61 trans-1,2-Dichloroethene	+++++	1.27546	1.61696	2.16257	2.05920	1.99828	1.97196	1.84740	18.159
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Hexane	+++++	2.23479	2.64763	3.35922	3.23686	3.09206	3.06044	2.93850	14.312
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 Isopropyl ether	+++++	+++++	4.88685	4.87559	5.18479	+++++	4.95719	4.97610	2.888
69 Vinyl Acetate	+++++	+++++	0.43457	0.47475	0.46366	0.45001	0.44348	0.45329	3.532
70 1,1-Dichloroethane	+++++	2.35827	3.05007	3.89879	3.73665	3.59316	3.52030	3.35954	16.900
71 1-Propanol	+++++	+++++	0.34357	0.31644	0.36858	+++++	0.36222	0.34771	6.726
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	4.21069	3.92608	4.25186	+++++	4.27824	4.16672	3.908
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	+++++	0.52444	0.66683	0.92853	0.89539	0.87031	0.88291	0.79473	20.362
76 cis-1,2-Dichloroethene	+++++	1.51085	2.17378	2.81440	2.70582	2.58841	2.53003	2.38721	20.163
77 Ethyl Acetate	+++++	+++++	0.47591	0.47917	0.51431	+++++	0.50728	0.49417	3.938

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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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 Tetrahydrofuran	+++++	1.46958	1.58451	2.11112	2.04291	1.98184	1.98488	1.86247	14.312
82 Chloroform	3.23744	2.23397	3.18215	3.99464	3.81762	3.69469	3.64646	3.40099	17.433
83 1,1,1-Trichloroethane	+++++	2.35615	2.97304	3.97445	3.85709	3.70163	3.61867	3.41351	18.288
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Cyclohexane	+++++	1.76679	1.97393	2.49651	2.40719	2.28894	2.24965	2.19717	12.546
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 Carbon Tetrachloride	+++++	2.00168	2.85108	3.70065	3.60308	3.44880	3.40585	3.16852	20.303
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
89 2,2,4-Trimethylpentane	+++++	4.44445	6.36510	8.13127	7.80112	7.47968	7.35763	6.92988	19.557
91 Benzene	0.98367	0.70842	0.99379	1.27002	1.22799	1.17273	1.13599	1.07037	18.047
92 tert-amyl-Methyl Ether	+++++	+++++	3.89221	3.52961	3.56394	+++++	3.55409	3.63496	4.735
93 1,2-Dichloroethane	+++++	0.32482	0.50190	0.63304	0.61840	0.58899	0.56841	0.53926	21.266
94 Heptane	+++++	0.24080	0.32927	0.40452	0.39746	0.37641	0.36479	0.35221	17.255
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 2-Heptanone	+++++	+++++	1.84505	2.20421	2.48808	+++++	2.49413	2.25787	13.582
98 1-Butanol	+++++	+++++	0.19013	0.20691	0.28097	+++++	0.29197	0.24250	21.210
99 Isobutanol	+++++	+++++	0.03287	0.04246	0.04110	+++++	0.03948	0.03898	10.906
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 Trichloroethene	+++++	0.35405	0.42562	0.53533	0.51739	0.49506	0.47900	0.46774	14.375
102 Methyl Cyclohexane	+++++	1.89500	2.57537	3.21124	3.06895	2.98197	2.93778	2.77838	17.338
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
104 1,2-Dichloropropane	+++++	0.23176	0.36852	0.45473	0.43916	0.42113	0.40807	0.38723	21.093
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 1,4-Dioxane	+++++	+++++	0.20470	0.29517	0.29119	0.28316	0.28226	0.27130	13.868
107 Bromodichloromethane	+++++	0.50063	0.72581	0.95564	0.93093	0.88870	0.85619	0.80965	21.174
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.38730	0.56748	0.73534	0.71692	0.68707	0.67017	0.62738	20.940

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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	+++++	0.22412	0.28334	0.38179	0.37663	0.35917	0.35660	0.33028	19.055
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Toluene	+++++	0.74807	1.11341	1.45326	1.41112	1.34121	1.28341	1.22508	21.397
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.49236	0.69760	0.93484	0.91633	0.89193	0.88164	0.80245	21.722
117 1,1,2-Trichloroethane	+++++	0.39107	0.50201	0.62115	0.60813	0.58279	0.56776	0.54548	15.828
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Butyl Acetate	+++++	+++++	0.33555	0.36719	0.41351	+++++	0.39560	0.37796	9.024
120 Tetrachloroethene	+++++	0.42749	0.62119	0.77116	0.74824	0.70403	0.66396	0.65601	18.987
121 2-Hexanone	+++++	+++++	0.43758	0.62963	0.62583	0.61303	0.61249	0.58371	14.055

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 Dibromochloromethane	+++++	0.54502	0.82196	1.06322	1.04401	0.99781	0.94223	0.90238	21.648
123 1,2-Dibromoethane	+++++	0.49614	0.76288	0.98403	0.96137	0.91632	0.88642	0.83453	21.930
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 Chlorobenzene	+++++	0.73974	1.12528	1.43598	1.41265	1.33903	1.26157	1.21904	21.368
128 Ethyl Benzene	+++++	0.46449	0.57434	0.74692	0.72624	0.68927	0.65517	0.64274	16.553
129 m,p-Xylene	+++++	0.50769	0.76173	0.94551	0.92539	0.88405	0.83670	0.81018	20.024
130 o-Xylene	+++++	0.54745	0.68188	0.84037	0.82440	0.76703	0.71162	0.72879	14.833
131 Styrene	1.15858	0.83889	1.08538	1.44036	1.40127	1.31670	1.23459	1.21082	17.110
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Bromoform	+++++	0.48244	0.68467	0.91606	0.90028	0.84388	0.77823	0.76759	21.309
134 Cumene	2.16167	1.47542	1.80324	2.21940	2.18502	2.05155	1.91957	1.97370	13.511
135 Cyclohexanone	+++++	+++++	0.50881	0.52103	0.55321	+++++	0.55585	0.53472	4.382
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	0.79049	1.09185	1.23892	1.21704	1.15751	1.10656	1.10040	14.778
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 Propylbenzene	+++++	1.82243	2.31871	2.74450	2.71712	2.53117	2.39614	2.42168	13.989
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
145 4-Ethyltoluene	+++++	1.52751	1.92945	2.37826	2.34128	2.17678	2.04875	2.06700	15.214
146 Diisobutyl Ketone	+++++	+++++	1.26585	1.32385	1.30288	+++++	1.14507	1.25941	6.345
147 1,3,5-Trimethylbenzene	+++++	1.37675	1.64620	1.99614	1.95088	1.82516	1.69081	1.74766	13.052
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	1.22041	1.53411	1.80930	1.80911	1.66836	1.57631	1.60293	13.701
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 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							
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.80261	0.98895	1.16136	1.15080	1.08070		
	1.02685						1.03521	12.790
156 1,4-Dichlorobenzene	+++++	0.88238	1.01400	1.18156	1.16985	1.09446		
	1.05435						1.06610	10.403
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
159 alpha-Chlorotoluene	+++++	1.40477	1.55730	1.82791	1.84334	1.78771		
	1.76594						1.69783	10.418
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
161 1,2-Dichlorobenzene	+++++	0.76012	0.90379	1.03149	1.03076	0.98131		
	0.94420						0.94195	10.824
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 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
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	0.43183	0.37569	0.39659	0.45272	0.49749	0.43086	11.092
166 Hexachlorobutadiene	+++++	+++++	0.35659	0.30162	0.31498	0.32642	0.33803	0.32753	6.449
167 Naphthalene	+++++	+++++	0.86164	0.72310	0.79191	0.92644	1.04300	0.86922	14.190
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 : 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-30may.b/t14q524b.m
Cal Date : 30-May-2007 12:25 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	1.63723	1.62554	1.62588	1.64632	1.64500	1.72367	1.84169	1.67790	4.749
$ 113 Toluene-d8	0.99273	1.01359	1.00290	1.02338	1.01267	1.01994	1.01399	1.01131	1.030
$ 137 Bromofluorobenzene	0.52986	0.51533	0.52723	0.54719	0.55834	0.54890	0.55369	0.54008	2.956

Calibration History

Method : /chem/msd7.i/7-30may.b/t14q524b.m
Start Cal Date: 24-MAY-2007 18:21
End Cal Date : 30-MAY-2007 11:46

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
24-MAY-2007 18:21	AFCEElow	/chem/msd7.i/7-24may.b/7052405.d
Cal Level: 2 , Cal Amount: 0.50000		
24-MAY-2007 19:08	AT04low	/chem/msd7.i/7-24may.b/7052406.d
Cal Level: 3 , Cal Amount: 2.00000		
30-MAY-2007 09:33	sp21b	/chem/msd7.i/7-30may.b/7053002.d
24-MAY-2007 20:12	AT04mdl+ENSR	/chem/msd7.i/7-24may.b/7052407.d
Cal Level: 4 , Cal Amount: 25.00000		
30-MAY-2007 10:16	sp21b	/chem/msd7.i/7-30may.b/7053003.d
24-MAY-2007 20:51	AT04mdl+ENSR	/chem/msd7.i/7-24may.b/7052408.d
Cal Level: 5 , Cal Amount: 50.00000		
30-MAY-2007 11:07	sp21b	/chem/msd7.i/7-30may.b/7053004.d
24-MAY-2007 21:34	AT04mdl+ENSR	/chem/msd7.i/7-24may.b/7052409.d
Cal Level: 6 , Cal Amount: 100.00000		
24-MAY-2007 22:13	AT04mdl+ENSR	/chem/msd7.i/7-24may.b/7052410.d
Cal Level: 7 , Cal Amount: 200.00000		
30-MAY-2007 11:46	sp21b	/chem/msd7.i/7-30may.b/7053005.d
24-MAY-2007 22:54	AT04mdl+ENSR	/chem/msd7.i/7-24may.b/7052411.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
30-MAY-2007 11:07	sp21bCCV	/chem/msd7.i/7-30may.b/7053004a.d
Ccal Level: 5 , Ccal Amount: 50.000		
30-MAY-2007 11:07	sp21b	/chem/msd7.i/7-30may.b/7053004.d

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MSD-7

Logbook #: 1546

0079

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.02
75	30.0 – 60.0% of mass 95	48.89
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	(0.00)[1]
174	Greater than 50.0% of mass 95	69.08
175	5.0 – 9.0% of mass 174	(7.95)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.23)[1]
177	5.0 – 9.0% of mass 176	(6.64)[2]

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

BFB Injection Date: 5/24/07
BFB Injection Time: 1752
BFB File ID: 7052404
Tekmar Purge Flow: 23.1 mL/min
Vacuum: 3.1 x10⁻⁵

IS/S Std.#:	1487-276	Exp. Date: 8-18-07
BCM	307119	
1,4-DFB	1303937	
CB-d5	1085808	

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

Verify 176/174 m/z Ratio: (568960) x100 = 95.223 (597504)

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(505211)}{(307119)} \times \frac{(25)}{(1.67790)}$ = 24.510

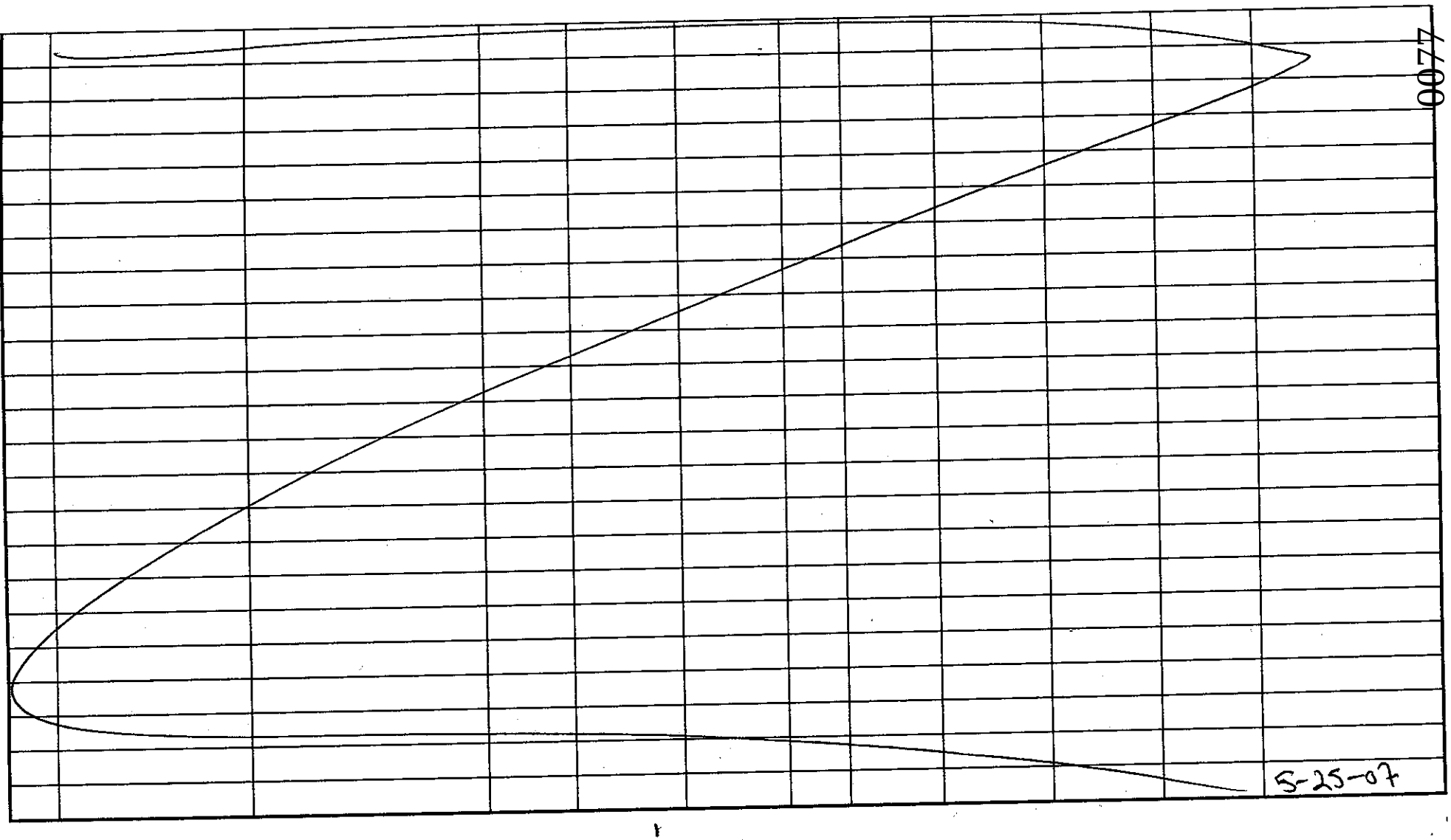
Reported Result 24.510

File ID:	7052409
Compound:	1,2-DCA-d4
Initials:	CJ

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7052404	BFB Tune Check	843-2917	30 psig	20 µl	1.00	SS	5/24/07	1752	SS	
2	✓	05	ICAL; Level #1	1487-28le	0.3 ppbv	0.3 ml	1.00	SS		1821	SS	
3	✓	06	#2		0.5 ppbv	0.5 ml	1.00	SS		1908	SS	TIC 524a
4	✓	07	#3		20 ppbv	20 ml	1.00	SS		2012	SS	
5	✓	08	#4		25 ppbv	25 ml	1.00	SS		2051	SS	
6	✓	09	#5		50 ppbv	50 ml	1.00	SS		2134	SS	CCV
7	✓	10	#6		100 ppbv	100 ml	1.00	SS		2213	SS	
8	✓	11	#7		200 ppbv	200 ml	1.00	SS		2254	CT	
9												5-25-07 CJ

C Taylor
Signature

5-25-07
Date



Comments: Flow controller S/N AA99123141 Nominal 23.2 Actual 25m2/min

Nist Flow meter 05E27601

EXP 8-19-07

C Taylor
Signature

5-25-07
Date

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MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.86
75	30.0 – 60.0% of mass 95	48.45
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.80
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	68.78
175	5.0 – 9.0% of mass 174	(7.79)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.24)[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: 5-25-07
BFB Injection Time: 07:57
BFB File ID: 7052501
Tekmar Purge Flow: 22.5 mL/min
Vacuum: 2.6X10^{-5} torr

IS/S Std.#:	1487-276	Exp. Date: 8-18-07
BCM	324659	
1,4-DFB	1357091	
CB-d5	1144837	

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

Verify 176/174 m/z Ratio: 576320/592640 x 100 = 97.25

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 521730\ )}{(\ \text{or } 1357091 \text{ or } 324659\ )} \times \frac{(\ 25\ )}{(\ 1.67790\ )} = 23.944$

Reported Result 23.944

File ID:	7052502
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	✓	7052501	BFB Tune Check	8483-2917	50psig	2mL	1.00	C.T.	5-25-07	0757	C.T.	
2	✓	02	CCV (200ppbv)	1487-276	50ppbv	50mL	|	C.T.	|	0814		Hex/Hep
3	✓	03	LCS (200ppbv)	1487-272	50ppbv	50mL	|	C.T.	|	0853		ICAL LCS
4		04	Gas Std # 1408-403B	25ppmv - 2500ppbv		20mL	|	JL	|			
5		05	LAB Blank	34190	Humid	200mL	|	JL	|			
6												
7												
8												
9											5-25-07 C.T.	

Signature

5/25/07
Date

0078

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MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.16
75	30.0 – 60.0% of mass 95	48.08
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.64
173	Less than 2.0% of mass 174	(0.90)[1]
174	Greater than 50.0% of mass 95	73.27
175	5.0 – 9.0% of mass 174	(7.79)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.55)[1]
177	5.0 – 9.0% of mass 176	(6.45)[2]

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

BFB Injection Date: 5-30-07
BFB Injection Time: 0905
BFB File ID: 7053001
Tekmar Purge Flow: 19.6mL/min
Vacuum: 2.8X10-5

IS/S Std.#:	1487-276	Exp. Date: 8-18-07
BCM	327127	
1,4-DFB	1387783	
CB-d5	1126029	

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

Verify 176/174 m/z Ratio: 60/664/616832 x 100 = 97.54

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 532268\ )}{(\ 327127\ )} \times \frac{(\ 25\ )}{(\ 1.67790\ )} =$ 24.243

Reported Result 24.243

File ID:	7053006
Compound:	1,2-DCA-d4
Initials:	CT

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7053001	BFB Tune Check	8437-2917	50ng	2µl	1.00	C.T.	5-30-07	0905	C.T.	
2	✓	02	ICAL Level 3 (200/1200ppbv)	1443-96	2.0/12 ppbv	2.0mL		C.T.		0933	C.T.	T1405246
3	✓	03	ICAL Level 4 (200/1200ppbv)		8.0/48 ppbv	8.0mL		C.T.		1016	C.T.	5ppbv CCVsp
4	✓	04	ICAL Level 5		50/300 ppbv	50mL		C.T.		1107	C.T.	
5	✓	05	ICAL Level 6 5-30-07 CT		200/1200ppbv	200mL		C.T.		1146	C.T.	
6	✓	06	CCV (200ppbv)	1487-286	50ppbv	50mL		C.T.		1226	C.T.	MTBE↑
7	✓	07	LCS (200ppbv)	1487-272	50ppbv	50mL	↓	C.T.		1306	C.T.	
8		08	Lab Blank	34393	Humid	200mL	1.00	C.T.				
9		09										

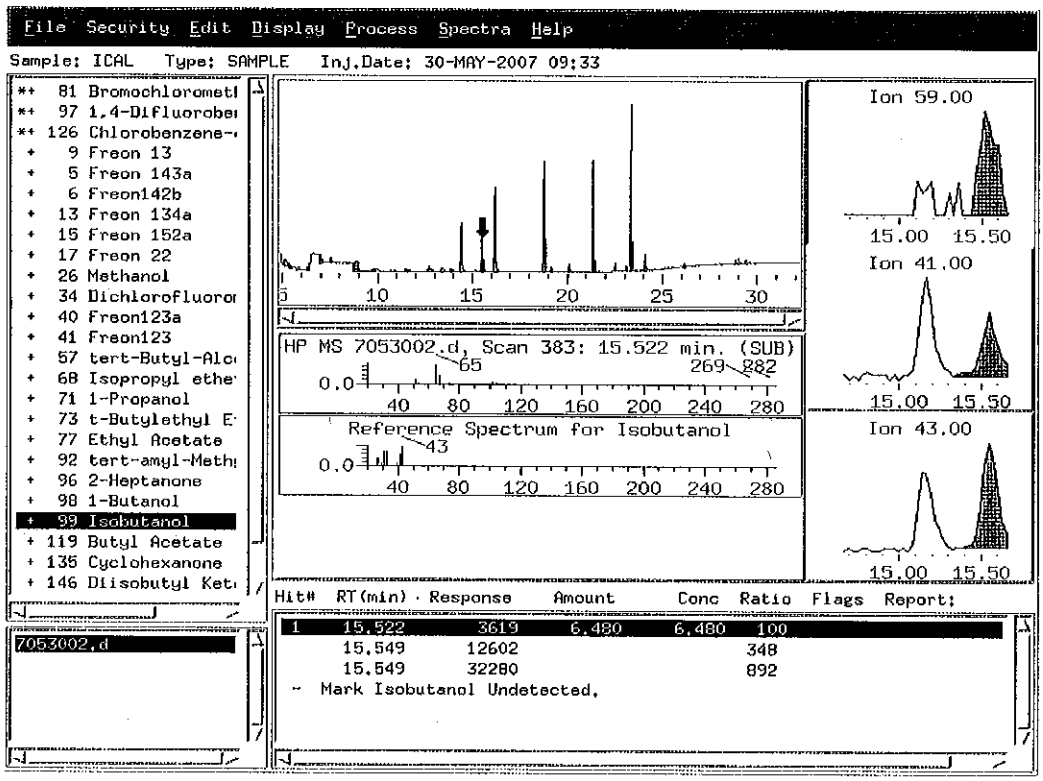
C Taylor
Signature

5-30-07
Date

0079

Team VOC

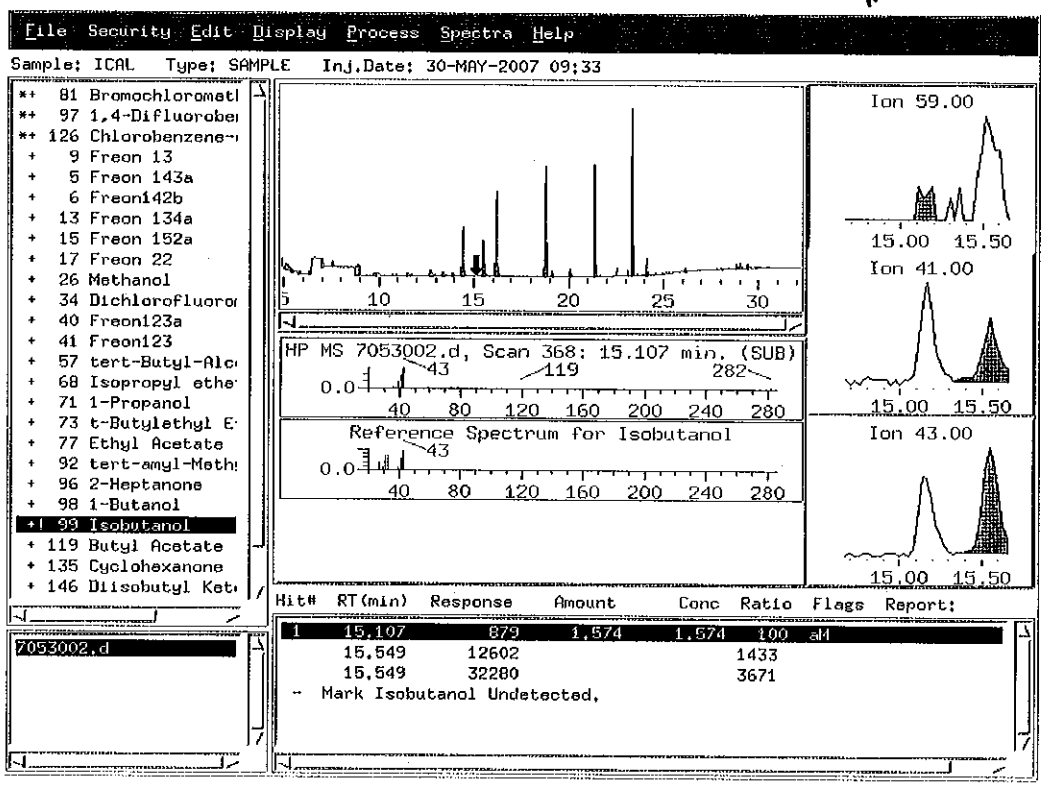
Date / Initial	5-30-07 CP
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	X
Merged Peaks	



Team VOC

Date / Initial	5-30-07 CT.
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

NC Standard



Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-7 on 05/24/2007.

The following compounds used either 0.2 or 0.3ppbv as the lowest calibration concentration:
Chloroform, Benzene and Styrene.

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-25may.b/7052503.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 25-MAY-2007 08:53
Operator : ct Inst ID: msd7.i
Smp Info : 50mL #1487-272
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd7.i/7-25may.b/t14q524a.m
Meth Date : 25-May-2007 08:51 ctaylor Quant Type: ISTD
Cal Date : 24-MAY-2007 22:54 Cal File: 7052411.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	14.402 (1.000)	130	312028	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	242948			27.90- 127.90	77.86
14.402	14.402 (1.000)	49	673244			168.21- 268.21	215.76
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1334716	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	219965			0.00- 67.11	16.48
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1120233	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	702510			12.65- 112.65	62.71
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	518002	24.7349	24.735	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	286476			2.55- 102.55	55.30
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1366005	25.2998	25.300	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	158552			0.00- 61.67	11.61

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	904483			16.85- 116.85	66.21
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	634188	26.2057	26.206	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	900419			93.55- 193.55	141.98
23.361	23.361 (1.093)	176	606789			45.57- 145.57	95.68
11 Propylene					CAS #: 115-07-1		
5.582	5.582 (0.388)	41	811579	49.6010	49.601	80.00- 120.00	100.00
5.582	5.582 (0.388)	42	552477			16.44- 116.44	68.07
5.582	5.582 (0.388)	39	662505			28.16- 128.16	81.63
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.720	5.721 (0.397)	85	3270711	50.6646	50.665	80.00- 120.00	100.00
5.720	5.721 (0.397)	87	1050822			0.00- 83.79	32.13
16 Freon 114					CAS #: 76-14-2		
6.190	6.191 (0.430)	135	1992155	51.6761	51.676	80.00- 120.00	100.00
6.190	6.191 (0.430)	137	631238			0.00- 81.74	31.69
18 Chloromethane					CAS #: 74-87-3		
6.412	6.412 (0.445)	50	882236	49.5229	49.523	80.00- 120.00	100.00
6.412	6.412 (0.445)	52	281930			0.00- 85.14	31.96
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	1168556	50.6643	50.664	80.00- 120.00	100.00
6.854	6.854 (0.476)	64	374050			0.00- 85.30	32.01
22 1,3-Butadiene					CAS #: 106-99-0		
6.909	6.909 (0.480)	54	826652	48.9824	48.982	80.00- 120.00	100.00
6.909	6.909 (0.480)	39	863693			62.71- 162.71	104.48
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.557)	94	946451	52.4579	52.458	80.00- 120.00	100.00
8.015	8.015 (0.557)	96	905606			44.17- 144.17	95.68
27 Chloroethane					CAS #: 75-00-3		
8.319	8.320 (0.578)	64	588365	51.1836	51.184	80.00- 120.00	100.00
8.319	8.320 (0.578)	49	163955			0.00- 76.89	27.87
8.319	8.320 (0.578)	66	182277			0.00- 82.89	30.98
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.955	8.956 (0.622)	101	3237561	52.8746	52.874	80.00- 120.00	100.00
8.955	8.956 (0.622)	103	2120128			14.94- 114.94	65.49

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	437261	55.1077	55.108	80.00- 120.00	100.00
9.453	9.426 (0.656)	43	95223			0.00- 74.71	21.78
9.453	9.453 (0.656)	46	155553			0.00- 90.99	35.57
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	1844831	60.1386	60.138	80.00- 120.00	100.00
10.200	10.200 (0.708)	153	1176778			13.68- 113.68	63.79
10.200	10.200 (0.708)	101	2400068			80.76- 180.76	130.10
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.310 (0.716)	61	2191723	58.5894	58.589	80.00- 120.00	100.00
10.310	10.310 (0.716)	96	1221073			6.16- 106.16	55.71
10.310	10.310 (0.716)	98	777727			0.00- 85.48	35.48
45 Acetone					CAS #: 67-64-1		
10.476	10.476 (0.727)	58	538129	51.1785	51.178	80.00- 120.00	100.00
10.476	10.476 (0.727)	43	1808359			283.72- 383.72	336.05
46 2-Propanol					CAS #: 67-63-0		
10.670	10.670 (0.741)	45	2147648	52.7593	52.759	80.00- 120.00	100.00
10.670	10.670 (0.741)	43	540295			0.00- 75.96	25.16
10.670	10.670 (0.741)	59	88519			0.00- 54.18	4.12
47 Carbon Disulfide					CAS #: 75-15-0		
10.863	10.863 (0.754)	76	3408103	54.5272	54.527	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.140	11.167 (0.773)	76	600614	51.6325	51.632	80.00- 120.00	100.00
11.140	11.167 (0.773)	41	1529893			206.85- 306.85	254.72
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	1391141	57.1530	57.153	80.00- 120.00	100.00
11.472	11.472 (0.796)	84	1055744			24.97- 124.97	75.89
11.472	11.472 (0.796)	51	418248			0.00- 83.13	30.07
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	1664359	55.8404	55.840	80.00- 120.00	100.00
11.831	11.831 (0.821)	57	355481			0.00- 71.36	21.36
11.831	11.831 (0.821)	41	337761			0.00- 76.24	20.29
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	1275886	55.3346	55.334	80.00- 120.00	100.00
11.942	11.942 (0.829)	61	1939036			103.54- 203.54	151.98
11.942	11.942 (0.829)	98	807040			16.45- 116.45	63.25

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	12.301 (0.854)	57	1934785	52.7538	52.754	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	1201026			6.95- 106.95	62.08
12.301	12.301 (0.854)	86	299569			0.00- 65.49	15.48
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	287488	50.8146	50.815	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	3280569			1062.71-1162.71	1141.12
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	2355501	56.1759	56.176	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	752233			0.00- 81.81	31.94
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	553084	55.7591	55.759	80.00- 120.00	100.00
13.905	13.905 (0.965)	43	2289431			356.50- 456.50	413.94
13.905	13.905 (0.965)	57	180404			0.00- 89.31	32.62
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	1657103	55.6166	55.617	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	1182283			20.11- 120.11	71.35
13.932	13.932 (0.967)	98	756328			0.00- 95.58	45.64
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (1.000)	42	1229971	52.9117	52.912	80.00- 120.00	100.00
14.402	14.402 (1.000)	71	507469			0.00- 91.54	41.26
14.402	14.402 (1.000)	72	537524			0.00- 92.26	43.70
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	2400211	56.5444	56.544	80.00- 120.00	100.00
14.485	14.485 (1.006)	85	1490636			12.25- 112.25	62.10
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	2395797	56.2336	56.234	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	1535776			14.43- 114.43	64.10
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	1471783	53.6694	53.669	80.00- 120.00	100.00
14.845	14.845 (1.031)	56	1694338			65.62- 165.62	115.12
14.845	14.845 (1.031)	41	967592			16.32- 116.32	65.74
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.121 (1.048)	119	2219433	56.1218	56.122	80.00- 120.00	100.00
15.094	15.094 (1.048)	117	2295193			53.79- 153.79	103.41
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	4706549	54.4156	54.416	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	15.425 (1.071)	56	1540195			0.00- 84.27	32.72
15.425	15.425 (1.071)	41	1311036			0.00- 79.95	27.86
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	3196488	55.9357	55.936	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	725752			0.00- 72.72	22.70
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1627406	56.5261	56.526	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	524680			0.00- 83.63	32.24
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	1026314	54.5798	54.580	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1803041			137.75- 237.75	175.68
15.730	15.730 (0.973)	57	985157			45.48- 145.48	95.99
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	1349180	54.0274	54.027	80.00- 120.00	100.00
16.642	16.642 (1.029)	130	1273289			43.85- 143.85	94.38
16.642	16.642 (1.029)	97	873146			15.10- 115.10	64.72
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	1132012	54.7565	54.756	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	816737			21.16- 121.16	72.15
17.140	17.140 (1.060)	41	735204			14.66- 114.66	64.95
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	773138	53.3783	53.378	80.00- 120.00	100.00
17.250	17.278 (1.067)	58	499000			15.48- 115.48	64.54
17.250	17.278 (1.067)	57	179510			0.00- 74.40	23.22
107 Bromodichloromethane					CAS #: 75-27-4		
17.554	17.554 (1.085)	83	2431864	56.2592	56.259	80.00- 120.00	100.00
17.554	17.554 (1.085)	85	1508734			11.64- 111.64	62.04
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1825848	54.5111	54.511	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	591346			0.00- 82.16	32.39
18.356	18.356 (1.135)	39	1039783			6.21- 106.21	56.95
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	981550	55.6654	55.665	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2511968			200.34- 300.34	255.92
18.522	18.522 (1.145)	85	429777			0.00- 99.51	43.79

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	3780467	57.8005	57.800	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	2356174			12.36- 112.36	62.32
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1978311	55.0184	55.018	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	624775			0.00- 81.92	31.58
19.324	19.324 (0.904)	39	1032306			2.97- 102.97	52.18
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	1302666	53.2946	53.294	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	817672			12.69- 112.69	62.77
19.683	19.683 (0.921)	83	1110196			34.13- 134.13	85.22
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1639797	55.7841	55.784	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	1268950			27.28- 127.28	77.38
19.849	19.849 (0.929)	131	1213598			24.08- 124.08	74.01
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1342952	51.3444	51.344	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2495422			135.65- 235.65	185.82
19.988	19.988 (0.935)	100	259423			0.00- 68.82	19.32
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	2296175	56.7870	56.787	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1776558			33.20- 133.20	77.37
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	2013971	53.8573	53.857	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1898534			44.52- 144.52	94.27
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	3036993	55.5976	55.598	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	980692			0.00- 82.24	32.29
21.425	21.425 (1.003)	77	2283402			25.48- 125.48	75.19
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1533655	53.2509	53.251	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	4923935			263.64- 363.64	321.06
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1968806	54.2317	54.232	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	4017316			155.97- 255.97	204.05
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	1770997	54.2307	54.231	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	3767358			162.89- 262.89	212.73
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2999062	55.2759	55.276	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	1616437			4.36- 104.36	53.90
133 Bromoform					CAS #: 75-25-2		
22.835	22.836 (1.069)	173	1987392	57.7809	57.781	80.00- 120.00	100.00
22.835	22.836 (1.069)	171	1031416			1.53- 101.53	51.90
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	4764223	53.8695	53.870	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	1226540			0.00- 75.30	25.74
22.974	22.974 (1.075)	51	479394			0.00- 61.22	10.06
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	2604661	52.8244	52.824	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1621276			12.48- 112.48	62.25
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	5852165	53.9302	53.930	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	1284580			0.00- 71.84	21.95
23.665	23.665 (1.107)	105	219653			0.00- 53.86	3.75
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	4978663	53.7530	53.753	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	1441174			0.00- 79.15	28.95
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.942 (1.120)	105	4129549	52.7325	52.732	80.00- 120.00	100.00
23.941	23.942 (1.120)	120	1970077			0.00- 97.89	47.71
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	3760772	52.3592	52.359	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1707165			0.00- 95.99	45.39
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	2443648	52.6794	52.679	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1562305			15.22- 115.22	63.93
25.158	25.158 (1.177)	111	1102539			0.00- 95.49	45.12
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	2488052	52.0826	52.083	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1581924			12.87- 112.87	63.58
25.296	25.296 (1.184)	111	1076641			0.00- 94.15	43.27

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	25.518 (1.194)	91	4126591	54.2412	54.241	80.00- 120.00	100.00
25.517	25.518 (1.194)	126	779456			0.00- 68.04	18.89
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	2204406	52.2272	52.227	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1405008			13.70- 113.70	63.74
25.932	25.932 (1.213)	111	1024180			0.00- 96.46	46.46
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	946967	49.0486	49.049	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	908428			43.73- 143.73	95.93
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	707264	48.1910	48.191	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	444096			15.56- 115.56	62.79
29 Isopentane					CAS #: 78-78-4		
8.347	8.347 (0.580)	43	1330169	47.2713	47.271	80.00- 120.00	100.00
8.347	8.347 (0.580)	57	961002			19.65- 119.65	72.25
19 Butane					CAS #: 106-97-8		
6.743	6.744 (0.468)	58	208569	46.9569	46.957	80.00- 120.00	100.00
6.743	6.744 (0.468)	43	1630855			703.35- 803.35	781.93
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.919 (1.175)	83	1888277	54.4528	54.453	80.00- 120.00	100.00
16.918	16.919 (1.175)	98	831695			0.00- 95.72	44.05
16.918	16.919 (1.175)	55	1512343			29.18- 129.18	80.09
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1845171	47.3740	47.374	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	232578			0.00- 63.92	12.60

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7052503.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /var/chem/msd7.i/7-25may.b/t14q524a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 25-MAY-2007
Calibration Time: 08:14
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324659	194795	454523	312028	-3.89
97 1,4-Difluorobenze	1357091	814255	1899927	1334716	-1.65
126 Chlorobenzene-d5	1144937	686962	1602912	1120233	-2.16

		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.

Report Date: 25-May-2007 09:24

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-25may
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: ct
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd7.i/7-25may.b/t14q524a.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	50.665	101.33	70-130
16 Freon 114	50.000	51.676	103.35	70-130
18 Chloromethane	50.000	49.523	99.05	70-130
20 Vinyl Chloride	50.000	50.664	101.33	70-130
22 1,3-Butadiene	50.000	48.982	97.96	60-140
25 Bromomethane	50.000	52.458	104.92	70-130
27 Chloroethane	50.000	51.184	102.37	70-130
31 Trichlorofluoromet	50.000	52.874	105.75	70-130
38 Ethanol	50.000	55.108	110.22	60-140
42 Freon 113	50.000	60.138	120.28	70-130
43 1,1-Dichloroethene	50.000	58.589	117.18	70-130
45 Acetone	50.000	51.178	102.36	60-140
47 Carbon Disulfide	50.000	54.527	109.05	60-140
46 2-Propanol	50.000	52.759	105.52	60-140
54 Methylene Chloride	50.000	57.153	114.31	70-130
60 MTBE	50.000	55.840	111.68	60-140
61 trans-1,2-Dichloro	50.000	55.334	110.67	60-140
65 Hexane	50.000	52.754	105.51	60-140
69 Vinyl Acetate	50.000	50.815	101.63	60-140
70 1,1-Dichloroethane	50.000	56.176	112.35	70-130
76 cis-1,2-Dichloroet	50.000	55.617	111.23	70-130
75 2-Butanone	50.000	55.759	111.52	60-140
80 Tetrahydrofuran	50.000	52.912	105.82	60-140
82 Chloroform	50.000	56.544	113.09	70-130
85 Cyclohexane	50.000	53.669	107.34	60-140
83 1,1,1-Trichloroeth	50.000	56.234	112.47	70-130
87 Carbon Tetrachlori	50.000	56.122	112.24	70-130
91 Benzene	50.000	55.936	111.87	70-130
93 1,2-Dichloroethane	50.000	56.526	113.05	70-130
94 Heptane	50.000	54.580	109.16	60-140
101 Trichloroethene	50.000	54.027	108.05	70-130
104 1,2-Dichloropropan	50.000	54.756	109.51	70-130
106 1,4-Dioxane	50.000	53.378	106.76	60-140

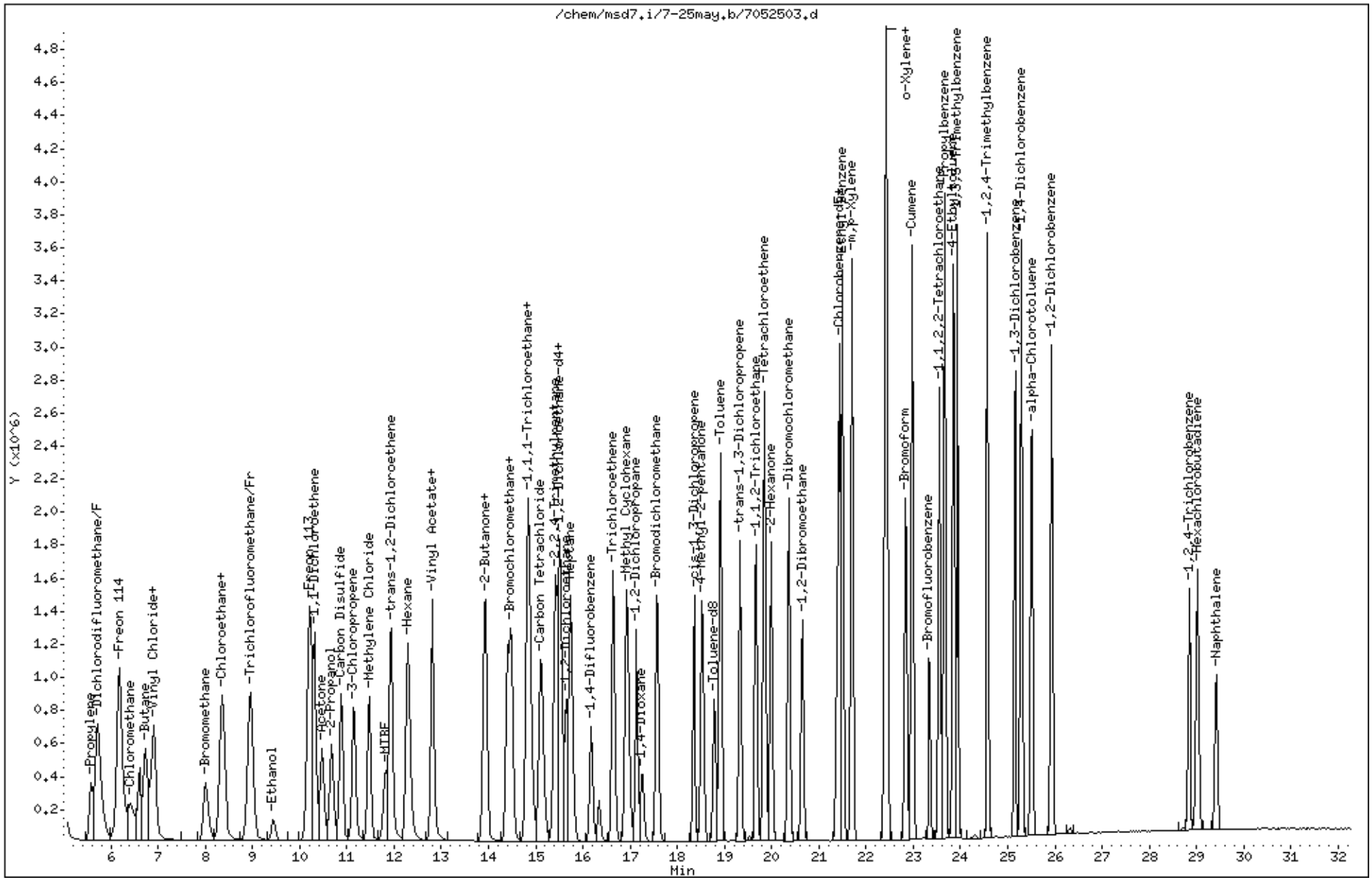
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	56.259	112.52	60-140
110 cis-1,3-Dichloropr	50.000	54.511	109.02	70-130
111 4-Methyl-2-pentano	50.000	55.665	111.33	60-140
114 Toluene	50.000	57.800	115.60	70-130
116 trans-1,3-Dichloro	50.000	55.018	110.04	70-130
117 1,1,2-Trichloroeth	50.000	53.294	106.59	70-130
120 Tetrachloroethene	50.000	55.784	111.57	70-130
121 2-Hexanone	50.000	51.344	102.69	60-140
122 Dibromochlorometha	50.000	56.787	113.57	60-140
123 1,2-Dibromoethane	50.000	53.857	107.71	70-130
127 Chlorobenzene	50.000	55.598	111.20	70-130
128 Ethyl Benzene	50.000	53.251	106.50	70-130
129 m,p-Xylene	50.000	54.232	108.46	70-130
130 o-Xylene	50.000	54.231	108.46	70-130
131 Styrene	50.000	55.276	110.55	70-130
133 Bromoform	50.000	57.781	115.56	60-140
140 1,1,2,2-Tetrachlor	50.000	52.824	105.65	70-130
145 4-Ethyltoluene	50.000	53.753	107.51	60-140
147 1,3,5-Trimethylben	50.000	52.732	105.46	70-130
150 1,2,4-Trimethylben	50.000	52.359	104.72	70-130
155 1,3-Dichlorobenzen	50.000	52.679	105.36	70-130
156 1,4-Dichlorobenzen	50.000	52.083	104.17	70-130
159 alpha-Chlorotoluen	50.000	54.241	108.48	70-130
161 1,2-Dichlorobenzen	50.000	52.227	104.45	70-130
165 1,2,4-Trichloroben	50.000	49.049	98.10	70-130
166 Hexachlorobutadien	50.000	48.191	96.38	70-130
142 Propylbenzene	50.000	53.930	107.86	60-140
134 Cumene	50.000	53.870	107.74	60-140
51 3-Chloropropene	50.000	51.632	103.27	60-140
89 2,2,4-Trimethylpen	50.000	54.416	108.83	60-140
29 Isopentane	50.000	47.271	94.54	70-130
19 Butane	50.000	46.957	93.91	70-130
102 Methyl Cyclohexane	50.000	54.453	108.91	70-130
11 Propylene	50.000	49.601	99.20	60-140
167 Naphthalene	50.000	47.374	94.75	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.735	98.94	70-130
$ 113 Toluene-d8	25.000	25.300	101.20	70-130
$ 137 Bromofluorobenzene	25.000	26.206	104.82	70-130

Data File: /chem/msd7.i/7-25may.b/7052503.d
Date : 25-MAY-2007 08:53
Client ID: LCS-1
Sample Info: 50mL #1487-272

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

Column phase: RTx-624



0095

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052405.d
Lab Smp Id: ICAL Client Smp ID: Level #1
Inj Date : 24-MAY-2007 18:21
Operator : srs Inst ID: msd7.i
Smp Info : 0.3mL #1487-286
Misc Info : 200ppbv -> 0.3ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 24-May-2007 21:57 sscott Quant Type: ISTD
Cal Date : 24-MAY-2007 18:21 Cal File: 7052405.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		
14.402	14.402 (1.000)	130	309478	25.0000		50.00- 150.00	100.00
14.402	14.402 (1.000)	128	239861			27.42- 127.42	77.51
14.402	14.402 (1.000)	49	486997			137.35- 237.35	157.36
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1312598	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	221783			0.00- 66.89	16.90
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1050422	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	664665			12.93- 112.93	63.28
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	506688	25.0000	24.941	50.00- 150.00	100.00
15.508	15.508 (1.077)	67	245032			1.48- 101.48	48.36
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1303049	25.0000	24.751	50.00- 150.00	100.00
18.771	18.771 (1.161)	70	155013			0.00- 61.83	11.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.771	18.771 (1.161)	100	889919			17.23- 117.23	68.30
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	556572	25.0000	24.346	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	804525			93.58- 193.58	144.55
23.361	23.361 (1.093)	176	541892			47.05- 147.05	97.36
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	12023	0.30000	0.2753	50.00- 150.00	100.00(a)
14.485	14.485 (1.006)	85	7272			11.63- 111.63	60.48
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	15494	0.30000	0.2668	50.00- 150.00	100.00(a)
15.508	15.508 (0.959)	77	3359			0.00- 72.19	21.68
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	14604	0.30000	0.2716	50.00- 150.00	100.00(a)
22.421	22.421 (1.049)	78	10028			11.41- 111.41	68.67
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	27248	0.30000	0.2984	50.00- 150.00	100.00(a)
22.974	22.974 (1.075)	120	6718			0.00- 74.88	24.66
22.974	22.974 (1.075)	51	3216			0.00- 60.94	11.80

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: 7052405.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 0.3ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	309478	0.77
97 1,4-Difluorobenze	1303937	782362	1825512	1312598	0.66
126 Chlorobenzene-d5	1085808	651485	1520131	1050422	-3.26

		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.

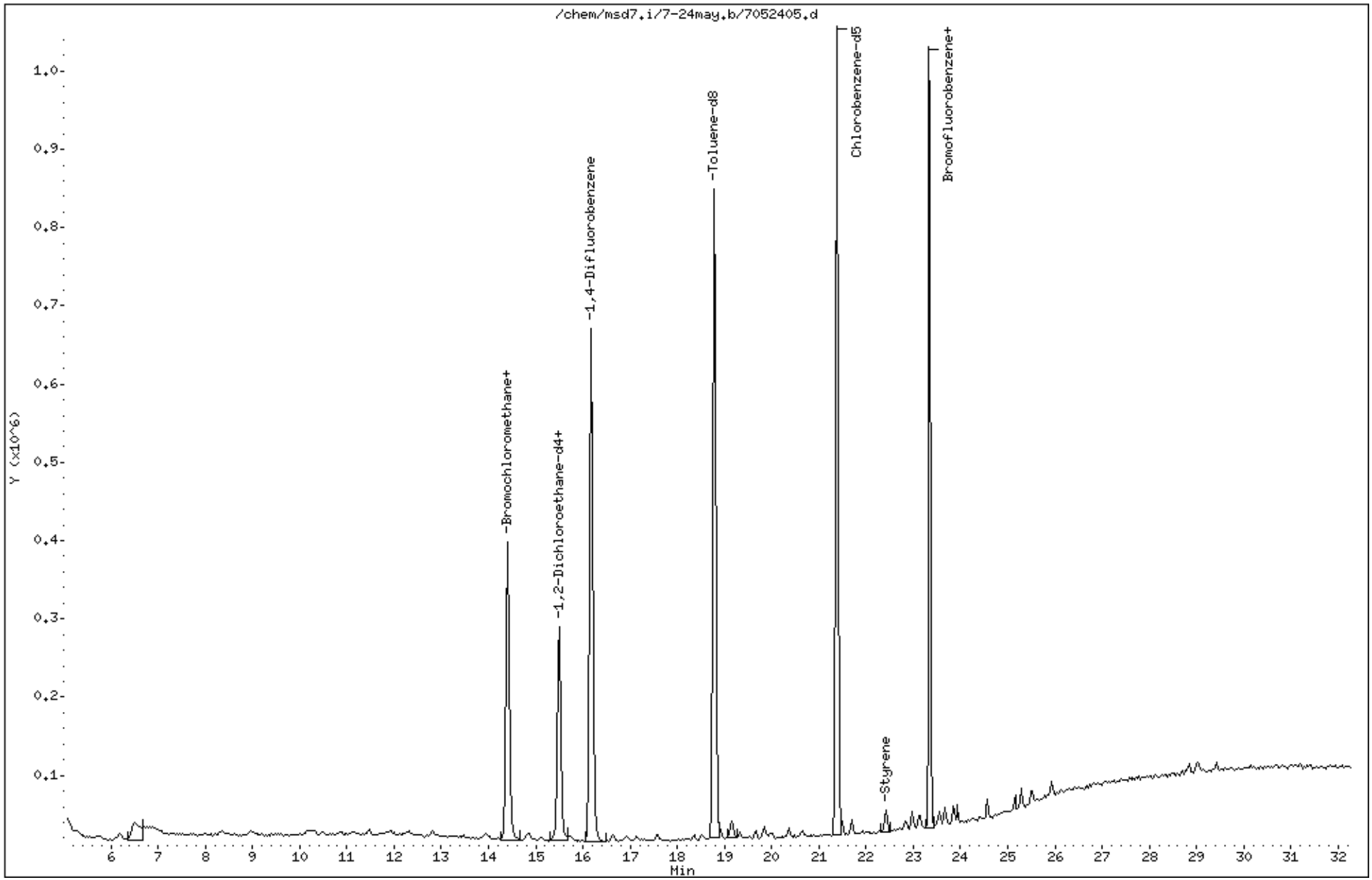
0099

Data File: /chem/msd7.i/7-24may.b/7052405.d
Date : 24-MAY-2007 18:21
Client ID: Level #1
Sample Info: 0.3mL #1487-286

Instrument: msd7.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052406.d
Lab Smp Id: ICAL Client Smp ID: Level #2
Inj Date : 24-MAY-2007 19:08
Operator : srs Inst ID: msd7.i
Smp Info : 0.5mL #1487-286
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 24-May-2007 21:57 sscott Quant Type: ISTD
Cal Date : 24-MAY-2007 19:08 Cal File: 7052406.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		
14.402	14.402 (1.000)	130	306517	25.0000		50.00- 150.00	100.00
14.402	14.402 (1.000)	128	238869			27.59- 127.59	77.93
14.402	14.402 (1.000)	49	477134			126.79- 226.79	155.66
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1294857	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	216636			0.00- 66.84	16.73
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1047394	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	649020			12.61- 112.61	61.97
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	498255	25.0000	24.841	50.00- 150.00	100.00
15.508	15.508 (1.077)	67	247705			0.89- 100.89	49.71
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1312449	25.0000	25.180	50.00- 150.00	100.00
18.771	18.771 (1.161)	70	153553			0.00- 61.79	11.70

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	873025			16.99- 116.99	66.52
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	539750	25.0000	24.103	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	784985			94.20- 194.20	145.43
23.361	23.361 (1.093)	176	524137			47.07- 147.07	97.11
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.399)	85	25867	0.50000	0.4315	50.00- 150.00	100.00(a)
5.748	5.748 (0.399)	87	9107			0.00- 83.82	35.21
16 Freon 114					CAS #: 76-14-2		
6.191	6.191 (0.430)	135	15208	0.50000	0.4253	50.00- 150.00	100.00(a)
6.163	6.163 (0.428)	137	4470			0.00- 80.41	29.39
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	8883	0.50000	0.4248	50.00- 150.00	100.00(a)
6.882	6.882 (0.478)	64	4087			0.00- 88.81	46.01
22 1,3-Butadiene					CAS #: 106-99-0		
6.909	6.909 (0.480)	54	6765	0.50000	0.4367	50.00- 150.00	100.00(a)
6.909	6.909 (0.480)	39	8492			65.25- 165.25	125.53
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.557)	94	7584	0.50000	0.4653	50.00- 150.00	100.00(a)
8.015	8.015 (0.557)	96	5612			34.05- 134.05	74.00
27 Chloroethane					CAS #: 75-00-3		
8.320	8.320 (0.578)	64	5240	0.50000	0.4688	50.00- 150.00	100.00(a)
8.347	8.347 (0.580)	49	1161			0.00- 75.33	22.16
8.320	8.320 (0.578)	66	1861			0.00- 83.37	35.52
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.956	8.956 (0.622)	101	21895	0.50000	0.3997	50.00- 150.00	100.00(a)
8.956	8.956 (0.622)	103	16193			19.37- 119.37	73.96
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	9960	0.50000	0.3741	50.00- 150.00	100.00(a)
10.200	10.200 (0.708)	153	6173			12.74- 112.74	61.98
10.200	10.200 (0.708)	101	13267			82.14- 182.14	133.20
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.310 (0.716)	61	13324	0.50000	0.3982	50.00- 150.00	100.00(a)
10.310	10.310 (0.716)	96	7679			6.28- 106.28	57.63
10.338	10.338 (0.718)	98	5338			0.00- 87.50	40.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.756)	76	19737	0.50000	0.3652	50.00- 150.00	100.00(a)
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	8804	0.50000	0.4046	50.00- 150.00	100.00(a)
11.472	11.472 (0.796)	84	7900			32.60- 132.60	89.73
11.472	11.472 (0.796)	51	3555			0.00- 85.31	40.38
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	13378	0.50000	0.4716	50.00- 150.00	100.00(a)
11.803	11.803 (0.820)	57	3592			0.00- 74.22	26.85
11.803	11.803 (0.820)	41	5618			0.00- 81.39	41.99
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.914	11.914 (0.827)	96	7819	0.50000	0.3825	50.00- 150.00	100.00(a)
11.942	11.942 (0.829)	61	11404			100.37- 200.37	145.85
11.942	11.942 (0.829)	98	5515			17.47- 117.47	70.53
65 Hexane					CAS #: 110-54-3		
12.329	12.329 (0.856)	57	13700	0.50000	0.4084	50.00- 150.00	100.00(a)
12.301	12.301 (0.854)	43	4291			0.00- 96.08	31.32
12.329	12.329 (0.856)	86	1876			0.00- 64.53	13.69
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	14457	0.50000	0.3869	50.00- 150.00	100.00(a)
12.826	12.826 (0.891)	65	5668			0.00- 85.75	39.21
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	3215	0.50000	0.3694	50.00- 150.00	100.00(a)
13.905	13.905 (0.965)	43	11113			331.30- 431.30	345.66
13.905	13.905 (0.965)	57	2020			0.00- 97.63	62.83
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	9262	0.50000	0.3583	50.00- 150.00	100.00(a)
13.932	13.932 (0.967)	96	6765			21.54- 121.54	73.04
13.932	13.932 (0.967)	98	4592			0.00- 97.36	49.58
80 Tetrahydrofuran					CAS #: 109-99-9		
14.430	14.430 (1.002)	42	9009	0.50000	0.4184	50.00- 150.00	100.00(a)
14.402	14.402 (1.000)	71	3938			0.00- 92.37	43.71
14.375	14.375 (0.998)	72	3340			0.00- 90.49	37.07
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	13695	0.50000	0.3607	50.00- 150.00	100.00(a)
14.485	14.485 (1.006)	85	10333			16.24- 116.24	75.45

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 (1.031)	97	14444	0.50000	0.3792	50.00- 150.00	100.00(a)
14.845	14.845 (1.031)	99	8090			9.89- 109.89	56.01
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	10831	0.50000	0.4233	50.00- 150.00	100.00(a)
14.845	14.845 (1.031)	56	11885			62.82- 162.82	109.73
14.845	14.845 (1.031)	41	10174			30.66- 130.66	93.93
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	12271	0.50000	0.3571	50.00- 150.00	100.00(a)
15.094	15.094 (1.048)	117	11903			50.19- 150.19	97.00
91 Benzene					CAS #: 71-43-2		
15.508	15.508 (0.959)	78	18346	0.50000	0.3639	50.00- 150.00	100.00(a)
15.508	15.508 (0.959)	77	4023			0.00- 72.11	21.93
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	27246	0.50000	0.3629	50.00- 150.00	100.00(a)
15.453	15.453 (1.073)	56	10700			0.00- 86.17	39.27
15.453	15.453 (1.073)	41	10121			0.00- 82.65	37.15
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	8412	0.50000	0.3444	50.00- 150.00	100.00(a)
15.647	15.647 (0.968)	64	3107			0.00- 84.69	36.94
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	6236	0.50000	0.3773	50.00- 150.00	100.00(a)
15.730	15.730 (0.973)	43	14250			153.18- 253.18	228.51
15.730	15.730 (0.973)	57	5995			47.52- 147.52	96.14
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	9169	0.50000	0.4063	50.00- 150.00	100.00(a)
16.642	16.642 (1.029)	130	6596			33.06- 133.06	71.94
16.670	16.670 (1.031)	97	5823			14.52- 114.52	63.51
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.175)	83	11617	0.50000	0.3818	50.00- 150.00	100.00(a)
16.946	16.946 (1.177)	98	5962			0.00- 97.50	51.32
16.919	16.919 (1.175)	55	9173			29.83- 129.83	78.96
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.112	17.112 (1.058)	63	6002	0.50000	0.3454	50.00- 150.00	100.00(a)
17.140	17.140 (1.060)	62	4391			22.85- 122.85	73.16
17.140	17.140 (1.060)	41	6627			38.49- 138.49	110.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
107 Bromodichloromethane					CAS #: 75-27-4		
17.554	17.554 (1.085)	83	12965	0.50000	0.3497	50.00- 150.00	100.00(a)
17.554	17.554 (1.085)	85	8562			13.92- 113.92	66.04
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	10030	0.50000	0.3507	50.00- 150.00	100.00(a)
18.356	18.356 (1.135)	77	4728			0.00- 89.66	47.14
18.356	18.356 (1.135)	39	5828			7.42- 107.42	58.11
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	5804	0.50000	0.3731	50.00- 150.00	100.00(a)
18.522	18.522 (1.145)	43	12481			186.23- 286.23	215.04
18.522	18.522 (1.145)	85	4047			6.72- 106.72	69.73
114 Toluene					CAS #: 108-88-3		
18.909	18.909 (1.169)	91	19373	0.50000	0.3464	50.00- 150.00	100.00(a)
18.909	18.909 (1.169)	92	12986			14.52- 114.52	67.03
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	10314	0.50000	0.3495	50.00- 150.00	100.00(a)
19.324	19.324 (0.904)	77	5467			0.00- 92.39	53.01
19.324	19.324 (0.904)	39	8163			15.84- 115.84	79.14
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.656	19.656 (0.920)	97	8192	0.50000	0.3914	50.00- 150.00	100.00(a)
19.683	19.683 (0.921)	99	4615			9.15- 109.15	56.34
19.656	19.656 (0.920)	83	6380			31.31- 131.31	77.88
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	8955	0.50000	0.3636	50.00- 150.00	100.00(a)
19.849	19.849 (0.929)	129	6891			26.99- 126.99	76.95
19.849	19.849 (0.929)	131	6783			24.76- 124.76	75.75
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	11417	0.50000	0.3430	50.00- 150.00	100.00(a)
20.375	20.375 (0.953)	127	11650			39.82- 139.82	102.04
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	10393	0.50000	0.3404	50.00- 150.00	100.00(a)
20.651	20.651 (0.966)	109	9846			44.54- 144.54	94.74
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	15496	0.50000	0.3437	50.00- 150.00	100.00(a)
21.425	21.425 (1.003)	114	6269			0.00- 86.18	40.46
21.370	21.370 (1.000)	77	23320			62.95- 162.95	150.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	9730	0.50000	0.3901	50.00- 150.00	100.00(a)
21.508	21.508 (1.006)	91	28313			255.87- 355.87	290.99
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	10635	0.50000	0.3543	50.00- 150.00	100.00(a)
21.702	21.702 (1.016)	91	23200			161.38- 261.38	218.15
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	11468	0.50000	0.3991	50.00- 150.00	100.00(a)
22.393	22.393 (1.048)	91	24554			163.70- 263.70	214.11
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	17573	0.50000	0.3702	50.00- 150.00	100.00(a)
22.448	22.448 (1.050)	78	10549			10.95- 110.95	60.03
133 Bromoform					CAS #: 75-25-2		
22.836	22.836 (1.069)	173	10106	0.50000	0.3489	50.00- 150.00	100.00(a)
22.836	22.836 (1.069)	171	5587			3.49- 103.49	55.28
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	30907	0.50000	0.3801	50.00- 150.00	100.00(a)
22.974	22.974 (1.075)	120	8109			0.00- 75.33	26.24
22.974	22.974 (1.075)	51	4479			0.00- 62.12	14.49
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	16559	0.50000	0.3938	50.00- 150.00	100.00(a)
23.554	23.554 (1.102)	85	10682			13.31- 113.31	64.51
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	38176	0.50000	0.4014	50.00- 150.00	100.00(a)
23.665	23.665 (1.107)	120	8502			0.00- 72.01	22.27
23.665	23.665 (1.107)	105	1817			0.00- 54.24	4.76
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	31998	0.50000	0.3948	50.00- 150.00	100.00(a)
23.831	23.831 (1.115)	120	10279			0.00- 80.67	32.12
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	28840	0.50000	0.4137	50.00- 150.00	100.00(a)
23.942	23.942 (1.120)	120	13862			0.00- 97.98	48.07
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	25565	0.50000	0.4028	50.00- 150.00	100.00(a)
24.577	24.577 (1.150)	120	12513			0.00- 96.96	48.95

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	16813	0.50000	0.4109	50.00- 150.00	100.00(a)
25.158	25.158 (1.177)	148	11978			17.17- 117.17	71.24
25.158	25.158 (1.177)	111	7779			0.00- 95.44	46.27
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	18484	0.50000	0.4300	50.00- 150.00	100.00(a)
25.296	25.296 (1.184)	148	10528			10.40- 110.40	56.96
25.296	25.296 (1.184)	111	8374			0.00- 94.38	45.30
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	29427	0.50000	0.4325	50.00- 150.00	100.00(a)
25.518	25.518 (1.194)	126	4255			0.00- 66.60	14.46
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	15923	0.50000	0.4244	50.00- 150.00	100.00(a)
25.932	25.932 (1.213)	148	10511			14.48- 114.48	66.01
25.932	25.932 (1.213)	111	8834			0.82- 100.82	55.48

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: 7052406.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	306517	-0.20
97 1,4-Difluorobenze	1303937	782362	1825512	1294857	-0.70
126 Chlorobenzene-d5	1085808	651485	1520131	1047394	-3.54

		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/7-24may.b/7052406.d

Date : 24-MAY-2007 19:08

Client ID: Level #2

Sample Info: 0.5mL #1487-286

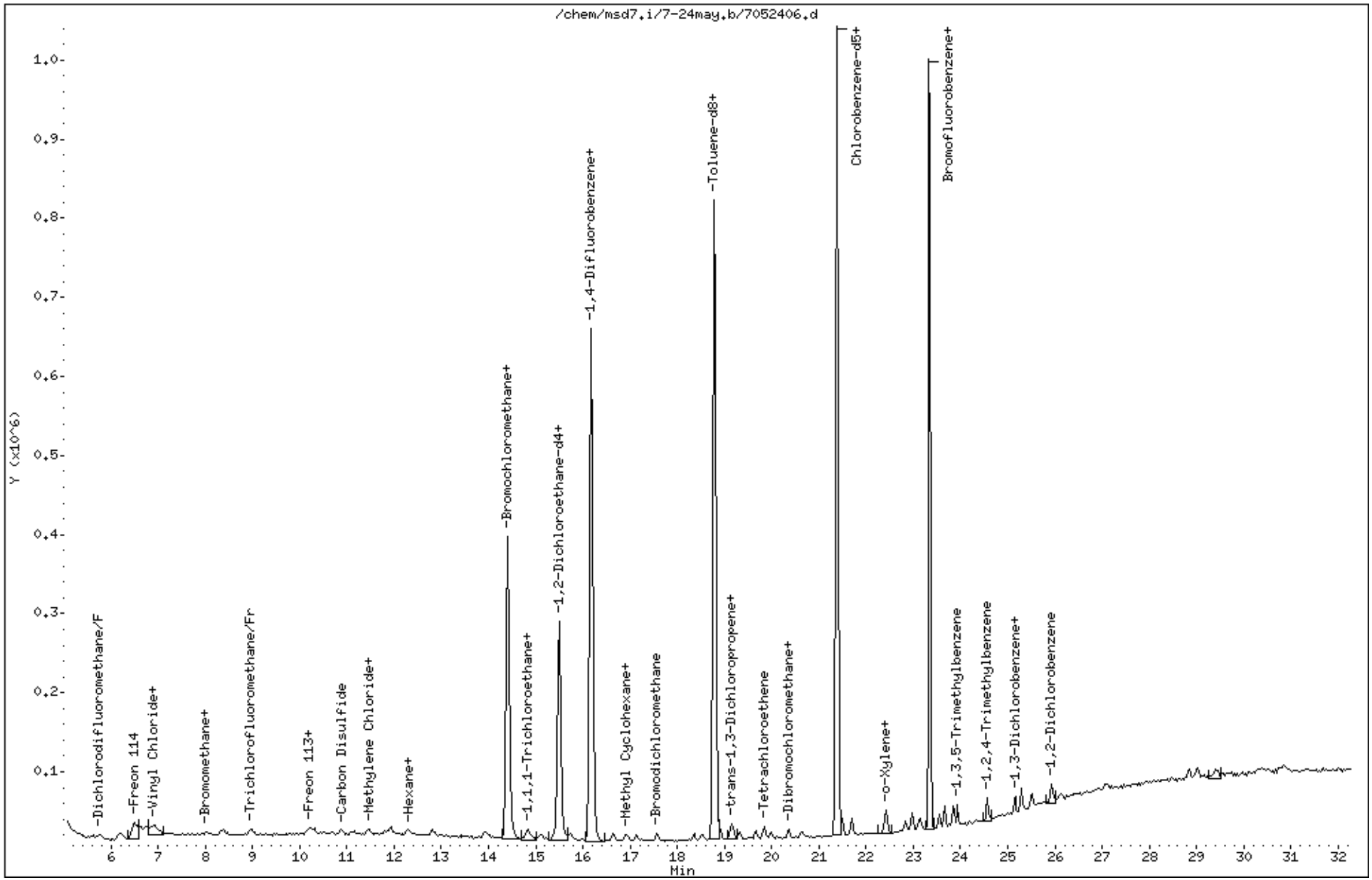
Column phase: RTx-624

Instrument: msd7.i

Operator: srs

Column diameter: 0.53

0108



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30may.b/7053002.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 30-MAY-2007 09:33
Operator : ct Inst ID: msd7.i
Smp Info : 2.0mL #1443-96
Misc Info : 2.0/12ppbv (200/1200ppbv)
Comment :
Method : /chem/msd7.i/7-30may.b/t14q524b.m
Meth Date : 30-May-2007 12:25 ctaylor Quant Type: ISTD
Cal Date : 30-MAY-2007 09:33 Cal File: 7053002.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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		
14.416	14.416 (1.000)	130	334280	25.0000		50.00- 150.00	100.00
14.416	14.416 (1.000)	128	259253			27.68- 127.68	77.56
14.416	14.416 (1.000)	49	448035			139.48- 239.48	134.03
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.185	16.185 (1.000)	114	1366167	25.0000		50.00- 150.00	100.00
16.185	16.185 (1.000)	88	224138			0.00- 66.75	16.41
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.383	21.383 (1.000)	117	1072996	25.0000		50.00- 150.00	100.00
21.356	21.356 (1.000)	82	650118			12.35- 112.35	60.59
9 Freon 13					CAS #: 75-72-9		
5.166	5.166 (0.358)	85	25795	2.00000	2.000	50.00- 150.00	100.00
5.222	5.222 (0.362)	87	9024			0.00- 84.98	34.98
5.251	5.251 (0.364)	69	195960			709.68- 809.68	759.68
5 Freon 143a					CAS #: 420-46-2		
5.279	5.279 (0.366)	65	30075	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
5 Freon 143a (continued)							
5.251	5.251 (0.364)	69	195960			0.00- 50.00	651.57
5.279	5.279 (0.366)	64	7846			0.00- 76.09	26.09
6 Freon142b					CAS #: 75-68-3		
6.321	6.321 (0.438)	65	88840	2.00000	2.000	50.00- 150.00	100.00
6.321	6.321 (0.438)	45	20671			0.00- 73.27	23.27
13 Freon 134a					CAS #: 811-97-2		
5.448	5.448 (0.378)	83	45760	2.00000	2.000	50.00- 150.00	100.00
5.786	5.786 (0.401)	69	5866			0.00- 62.82	12.82
5.448	5.448 (0.378)	63	6667			0.00- 64.57	14.57
15 Freon 152a					CAS #: 75-37-6		
5.645	5.645 (0.392)	65	25671	2.00000	2.000	50.00- 150.00	100.00
5.645	5.645 (0.392)	51	43273			118.57- 218.57	168.57
5.617	5.617 (0.390)	47	13103			1.04- 101.04	51.04
17 Freon 22					CAS #: 75-45-6		
5.786	5.786 (0.401)	51	77097	2.00000	2.000	50.00- 150.00	100.00
5.786	5.786 (0.401)	67	13166			0.00- 67.08	17.08
5.814	5.814 (0.403)	85	1314			0.00- 51.70	1.70
26 Methanol					CAS #: 67-56-1		
7.560	7.560 (0.524)	31	122310	12.0000		0.00- 50.00	100.00(a)
7.532	7.532 (0.522)	32	193082			107.86- 207.86	157.86
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.912	8.912 (0.618)	67	75122	2.00000	2.000	50.00- 150.00	100.00
8.912	8.912 (0.618)	69	24049			0.00- 82.01	32.01
8.912	8.912 (0.618)	35	5085			0.00- 56.77	6.77
40 Freon123a					CAS #: 354-23-4		
9.798	9.798 (0.680)	67	47405	2.00000	2.000	50.00- 150.00	100.00
9.798	9.798 (0.680)	117	34588			22.96- 122.96	72.96
41 Freon123					CAS #: 306-83-2		
9.937	9.937 (0.689)	83	29901	2.00000	2.000	50.00- 150.00	100.00
9.964	9.964 (0.691)	133	8076			0.00- 77.01	27.01
9.964	9.964 (0.691)	85	18297			11.19- 111.19	61.19
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.513	11.513 (0.799)	59	85674	2.00000	2.000	50.00- 150.00	100.00
11.513	11.513 (0.799)	41	17870			0.00- 70.86	20.86
11.485	11.485 (0.797)	57	8007			0.00- 59.35	9.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether					CAS #: 108-20-3		
12.702	12.702 (0.881)	45	130686	2.00000	2.000	50.00- 150.00	100.00
12.702	12.702 (0.881)	87	35457			0.00- 77.13	27.13
12.702	12.702 (0.881)	59	11536			0.00- 58.83	8.83
71 1-Propanol					CAS #: 71-23-8		
12.840	12.840 (0.891)	42	9188	2.00000	2.000	50.00- 150.00	100.00
12.840	12.840 (0.891)	59	11560			75.82- 175.82	125.82
12.702	12.702 (0.881)	41	29893			275.35- 375.35	325.35
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.365	13.365 (0.927)	59	112604	2.00000	2.000	50.00- 150.00	100.00
13.393	13.393 (0.929)	87	44864			0.00- 89.84	39.84
13.365	13.365 (0.927)	41	24655			0.00- 71.90	21.90
77 Ethyl Acetate					CAS #: 141-78-6		
13.890	13.890 (0.964)	45	12727	2.00000	2.000	50.00- 150.00	100.00
13.890	13.890 (0.964)	61	12523			48.40- 148.40	98.40
13.890	13.890 (0.964)	43	86486			629.55- 729.55	679.55
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.549	15.549 (1.079)	73	104087	2.00000	2.000	50.00- 150.00	100.00
15.549	15.549 (1.079)	87	23126			0.00- 72.22	22.22
15.549	15.549 (1.079)	55	24320			0.00- 73.37	23.37
96 2-Heptanone					CAS #: 110-43-0		
22.517	22.517 (1.562)	58	49341	2.00000	2.000	50.00- 150.00	100.00
22.517	22.517 (1.562)	43	74565			101.12- 201.12	151.12
98 1-Butanol					CAS #: 71-36-3		
16.324	16.324 (1.009)	56	20780	2.00000	2.000	50.00- 150.00	100.00
16.351	16.351 (1.010)	41	17167			32.61- 132.61	82.61
16.351	16.351 (1.010)	43	11087			3.35- 103.35	53.35
99 Isobutanol					CAS #: 78-83-1		
15.107	15.107 (1.048)	59	879	2.00000	2.000	50.00- 150.00	100.00(M)
15.549	15.549 (1.079)	41	12602			1383.67-1483.67	1433.67
15.549	15.549 (1.079)	43	32280			3622.35-3722.35	3672.35
119 Butyl Acetate					CAS #: 123-86-4		
20.084	20.084 (1.241)	56	36673	2.00000	2.000	50.00- 150.00	100.00
20.084	20.084 (1.241)	73	13807			0.00- 87.65	37.65
20.084	20.084 (1.241)	43	87406			188.34- 288.34	238.34
135 Cyclohexanone					CAS #: 108-94-1		
23.291	23.291 (1.089)	55	43676	2.00000	2.000	50.00- 150.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
23.291	23.291 (1.089)	98	19370			0.00- 94.35	44.35
23.291	23.291 (1.089)	42	28033			14.18- 114.18	64.18
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.093	24.093 (1.127)	57	108660	2.00000	2.000	50.00- 150.00	100.00
24.093	24.093 (1.127)	85	88763			31.69- 131.69	81.69
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).
M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7053002.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30may.b/t14q524b.m
Misc Info: 2.0/12ppbv (200/1200ppbv)

Calibration Date: 30-MAY-2007
Calibration Time: 11:07
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	337478	202487	472469	334280	-0.95
97 1,4-Difluorobenze	1376875	826125	1927625	1366167	-0.78
126 Chlorobenzene-d5	1101780	661068	1542492	1072996	-2.61

		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	21.38	21.05	21.71	21.38	0.00

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

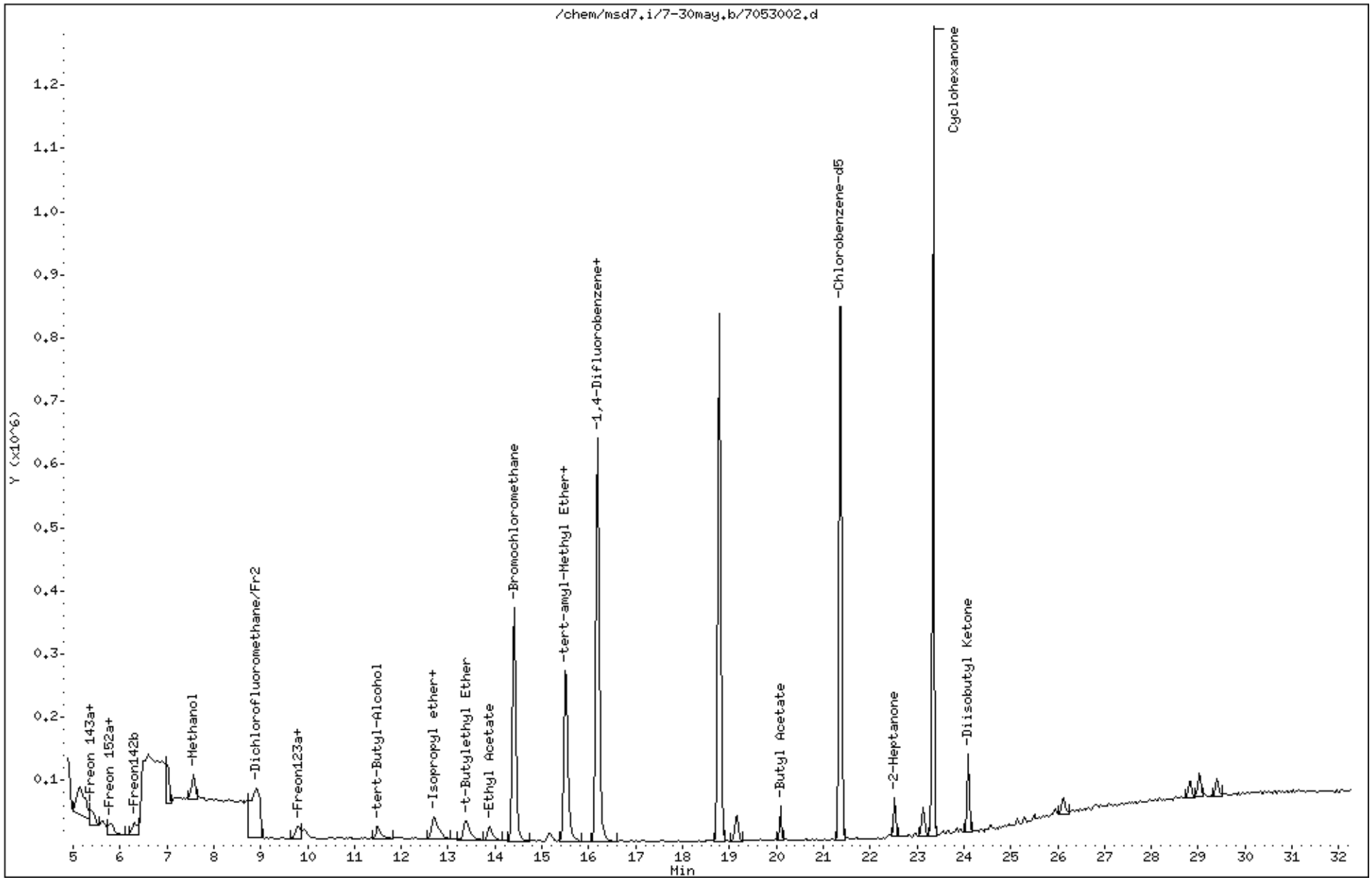
0114

Data File: /chem/msd7.i/7-30may.b/7053002.d
Date : 30-MAY-2007 09:33
Client ID: Level 3
Sample Info: 2.0mL #1443-96

Column phase: RTx-624

Instrument: msd7.i

Operator: ct
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052407.d
Lab Smp Id: ICAL Client Smp ID: Level #3
Inj Date : 24-MAY-2007 20:12
Operator : srs Inst ID: msd7.i
Smp Info : 2.0mL #1487-286
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 24-May-2007 21:57 sscott Quant Type: ISTD
Cal Date : 24-MAY-2007 20:12 Cal File: 7052407.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		
14.403	14.403 (1.000)	130	309300	25.0000		50.00- 150.00	100.00
14.403	14.403 (1.000)	128	237777			27.41- 127.41	76.88
14.403	14.403 (1.000)	49	477722			121.20- 221.20	154.45
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1291543	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	218891			0.00- 66.87	16.95
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1046054	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	652894			12.56- 112.56	62.41
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	502885	25.0000	24.885	50.00- 150.00	100.00
15.508	15.508 (1.077)	67	246198			0.41- 100.41	48.96
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1295290	25.0000	24.936	50.00- 150.00	100.00
18.771	18.771 (1.161)	70	149965			0.00- 61.73	11.58

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	867496			16.99- 116.99	66.97
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	551506	25.0000	24.744	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	779448			93.48- 193.48	141.33
23.361	23.361 (1.093)	176	529471			46.80- 146.80	96.00
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	32848	2.00000	2.006	50.00- 150.00	100.00
5.610	5.610 (0.390)	42	21174			15.73- 115.73	64.46
5.610	5.610 (0.390)	39	23467			25.38- 125.38	71.44
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.399)	85	122147	2.00000	2.013	50.00- 150.00	100.00
5.748	5.748 (0.399)	87	44227			0.00- 84.62	36.21
16 Freon 114					CAS #: 76-14-2		
6.218	6.218 (0.432)	135	72386	2.00000	2.004	50.00- 150.00	100.00
6.218	6.218 (0.432)	137	24483			0.00- 81.55	33.82
18 Chloromethane					CAS #: 74-87-3		
6.467	6.467 (0.449)	50	34359	2.00000	1.961	50.00- 150.00	100.00(a)
6.522	6.522 (0.453)	52	13763			0.00- 86.69	40.06
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.478)	62	45481	2.00000	2.101	50.00- 150.00	100.00
6.882	6.882 (0.478)	64	15729			0.00- 87.40	34.58
22 1,3-Butadiene					CAS #: 106-99-0		
6.937	6.937 (0.482)	54	32375	2.00000	2.047	50.00- 150.00	100.00
6.937	6.937 (0.482)	39	39540			67.55- 167.55	122.13
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.558)	94	34618	2.00000	2.069	50.00- 150.00	100.00
8.043	8.043 (0.558)	96	29029			33.98- 133.98	83.86
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.580)	64	18893	2.00000	1.771	50.00- 150.00	100.00
8.347	8.347 (0.580)	49	5191			0.00- 76.05	27.48
8.320	8.320 (0.578)	66	6816			0.00- 84.27	36.08
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.956	8.956 (0.622)	101	113082	2.00000	2.030	50.00- 150.00	100.00
8.956	8.956 (0.622)	103	74254			18.14- 118.14	65.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.656)	45	15466	2.00000	1.975	50.00- 150.00	100.00(a)
9.453	9.453 (0.656)	43	5151			0.00- 77.35	33.31
9.481	9.481 (0.658)	46	8270			0.00- 94.66	53.47
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	59474	2.00000	2.138	50.00- 150.00	100.00
10.200	10.200 (0.708)	153	36972			12.55- 112.55	62.16
10.227	10.227 (0.710)	101	73864			79.49- 179.49	124.20
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.310 (0.716)	61	71000	2.00000	2.067	50.00- 150.00	100.00
10.338	10.338 (0.718)	96	40695			6.62- 106.62	57.32
10.338	10.338 (0.718)	98	29365			0.00- 88.79	41.36
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.729)	58	19996	2.00000	1.932	50.00- 150.00	100.00(a)
10.476	10.476 (0.727)	43	59171			266.29- 366.29	295.91
46 2-Propanol					CAS #: 67-63-0		
10.670	10.670 (0.741)	45	64117	2.00000	1.712	50.00- 150.00	100.00(a)
10.670	10.670 (0.741)	43	20620			0.00- 78.13	32.16
10.670	10.670 (0.741)	59	2948			0.00- 54.33	4.60
47 Carbon Disulfide					CAS #: 75-15-0		
10.863	10.863 (0.754)	76	112827	2.00000	2.045	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.168 (0.775)	76	18491	2.00000	1.736	50.00- 150.00	100.00
11.140	11.140 (0.773)	41	46256			205.26- 305.26	250.15
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	44355	2.00000	2.013	50.00- 150.00	100.00
11.472	11.472 (0.796)	84	34284			30.83- 130.83	77.29
11.444	11.444 (0.795)	51	15121			0.00- 84.91	34.09
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	60979	2.00000	2.085	50.00- 150.00	100.00
11.831	11.831 (0.821)	57	13925			0.00- 73.76	22.84
11.803	11.803 (0.820)	41	16225			0.00- 79.80	26.61
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	40010	2.00000	1.959	50.00- 150.00	100.00
11.914	11.914 (0.827)	61	66054			105.28- 205.28	165.09
11.942	11.942 (0.829)	98	28672			18.87- 118.87	71.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	65513	2.00000	1.956	50.00- 150.00	100.00
12.301	12.301 (0.854)	43	45859			4.05- 104.05	70.00
12.301	12.301 (0.854)	86	11209			0.00- 65.39	17.11
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	10753	2.00000	1.935	50.00- 150.00	100.00(a)
12.799	12.799 (0.889)	43	103903			1013.10-1113.10	966.27
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	75471	2.00000	2.001	50.00- 150.00	100.00
12.826	12.826 (0.891)	65	27814			0.00- 86.12	36.85
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	16500	2.00000	1.917	50.00- 150.00	100.00
13.905	13.905 (0.965)	43	71440			348.53- 448.53	432.97
13.905	13.905 (0.965)	57	6143			0.00- 94.16	37.23
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	53788	2.00000	2.041	50.00- 150.00	100.00
13.932	13.932 (0.967)	96	38813			21.75- 121.75	72.16
13.932	13.932 (0.967)	98	26892			0.00- 98.24	50.00
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.403 (1.000)	42	39207	2.00000	1.865	50.00- 150.00	100.00
14.403	14.403 (1.000)	71	17888			0.00- 93.46	45.62
14.375	14.375 (0.998)	72	17266			0.00- 91.67	44.04
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	78739	2.00000	2.041	50.00- 150.00	100.00
14.458	14.458 (1.004)	85	48734			15.15- 115.15	61.89
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	73565	2.00000	1.942	50.00- 150.00	100.00
14.845	14.845 (1.031)	99	47609			11.50- 111.50	64.72
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	48843	2.00000	1.926	50.00- 150.00	100.00
14.845	14.845 (1.031)	56	60183			66.29- 166.29	123.22
14.845	14.845 (1.031)	41	35421			27.95- 127.95	72.52
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	70547	2.00000	2.023	50.00- 150.00	100.00
15.094	15.094 (1.048)	117	73415			51.48- 151.48	104.07
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	102682	2.00000	2.031	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)							
15.508	15.508 (0.959)	77	24967			0.00- 72.66	24.31
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.426 (1.071)	57	157498	2.00000	2.052	50.00- 150.00	100.00
15.426	15.426 (1.071)	56	52187			0.00- 85.16	33.14
15.426	15.426 (1.071)	41	43865			0.00- 81.05	27.85
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	51858	2.00000	2.084	50.00- 150.00	100.00
15.647	15.647 (0.968)	64	17384			0.00- 84.30	33.52
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	34021	2.00000	2.042	50.00- 150.00	100.00
15.730	15.730 (0.973)	43	59374			143.62- 243.62	174.52
15.730	15.730 (0.973)	57	29684			44.10- 144.10	87.25
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	43977	2.00000	1.969	50.00- 150.00	100.00
16.642	16.642 (1.029)	130	41908			37.14- 137.14	95.30
16.642	16.642 (1.029)	97	29136			15.10- 115.10	66.25
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	38077	2.00000	2.127	50.00- 150.00	100.00
17.140	17.140 (1.060)	62	26696			21.93- 121.93	70.11
17.140	17.140 (1.060)	41	26014			31.77- 131.77	68.32
106 1,4-Dioxane					CAS #: 123-91-1		
17.250	17.250 (1.067)	88	21150	2.00000	1.651	50.00- 150.00	100.00(a)
17.250	17.250 (1.067)	58	15826			20.13- 120.13	74.83
17.250	17.250 (1.067)	57	5658			0.00- 75.10	26.75
107 Bromodichloromethane					CAS #: 75-27-4		
17.555	17.555 (1.085)	83	74993	2.00000	2.018	50.00- 150.00	100.00
17.555	17.555 (1.085)	85	47936			13.92- 113.92	63.92
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	58634	2.00000	2.037	50.00- 150.00	100.00
18.356	18.356 (1.135)	77	19023			0.00- 87.26	32.44
18.329	18.329 (1.133)	39	31341			6.10- 106.10	53.45
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	29276	2.00000	1.923	50.00- 150.00	100.00
18.522	18.522 (1.145)	43	77476			195.70- 295.70	264.64
18.522	18.522 (1.145)	85	13368			3.03- 103.03	45.66

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	115041	2.00000	2.041	50.00- 150.00	100.00
18.909	18.909 (1.169)	92	72098			13.91- 113.91	62.67
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	58378	2.00000	1.987	50.00- 150.00	100.00
19.324	19.324 (0.904)	77	20944			0.00- 90.22	35.88
19.324	19.324 (0.904)	39	33175			12.84- 112.84	56.83
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.684 (0.921)	97	42010	2.00000	2.006	50.00- 150.00	100.00
19.684	19.684 (0.921)	99	26046			10.10- 110.10	62.00
19.684	19.684 (0.921)	83	37320			33.82- 133.82	88.84
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	51984	2.00000	2.074	50.00- 150.00	100.00
19.849	19.849 (0.929)	129	40706			27.43- 127.43	78.30
19.849	19.849 (0.929)	131	38983			24.84- 124.84	74.99
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	36619	2.00000	1.646	50.00- 150.00	100.00(a)
19.988	19.988 (0.935)	43	66822			135.70- 235.70	182.48
19.988	19.988 (0.935)	100	6706			0.00- 68.69	18.31
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	68785	2.00000	2.046	50.00- 150.00	100.00
20.375	20.375 (0.953)	127	55700			36.88- 136.88	80.98
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	63841	2.00000	2.061	50.00- 150.00	100.00
20.651	20.651 (0.966)	109	61323			45.05- 145.05	96.06
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	94168	2.00000	2.060	50.00- 150.00	100.00
21.425	21.425 (1.003)	114	31238			0.00- 85.18	33.17
21.425	21.425 (1.003)	77	83597			54.89- 154.89	88.77
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	48063	2.00000	1.952	50.00- 150.00	100.00
21.508	21.508 (1.006)	91	152756			259.85- 359.85	317.82
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	63745	2.00000	2.082	50.00- 150.00	100.00
21.702	21.702 (1.016)	91	127509			157.59- 257.59	200.03
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	57063	2.00000	1.992	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	122858			164.24- 264.24	215.30
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	90829	2.00000	1.936	50.00- 150.00	100.00
22.421	22.421 (1.049)	78	52189			10.08- 110.08	57.46
133 Bromoform					CAS #: 75-25-2		
22.836	22.836 (1.069)	173	57296	2.00000	1.987	50.00- 150.00	100.00
22.836	22.836 (1.069)	171	28639			2.32- 102.32	49.98
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	150903	2.00000	1.892	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	38480			0.00- 75.37	25.50
22.974	22.974 (1.075)	51	16284			0.00- 61.79	10.79
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	91371	2.00000	2.114	50.00- 150.00	100.00
23.554	23.554 (1.102)	85	56464			12.80- 112.80	61.80
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	194040	2.00000	2.028	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	41426			0.00- 71.79	21.35
23.665	23.665 (1.107)	105	6534			0.00- 53.95	3.37
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	161465	2.00000	1.996	50.00- 150.00	100.00
23.831	23.831 (1.115)	120	46252			0.00- 79.99	28.65
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	137761	2.00000	1.986	50.00- 150.00	100.00
23.942	23.942 (1.120)	120	67023			0.00- 98.21	48.65
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.578 (1.150)	105	128381	2.00000	2.017	50.00- 150.00	100.00
24.578	24.578 (1.150)	120	58527			0.00- 96.51	45.59
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	82760	2.00000	2.017	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	53527			16.34- 116.34	64.68
25.158	25.158 (1.177)	111	38334			0.00- 95.73	46.32
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	84856	2.00000	1.984	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	55968			12.25- 112.25	65.96
25.296	25.296 (1.184)	111	37481			0.00- 94.31	44.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.518	25.518 (1.194)	91	130322	2.00000	1.944	50.00- 150.00	100.00
25.518	25.518 (1.194)	126	25228			0.00- 67.52	19.36
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	75633	2.00000	2.012	50.00- 150.00	100.00
25.932	25.932 (1.213)	148	47993			14.14- 114.14	63.46
25.932	25.932 (1.213)	111	35389			0.00- 99.48	46.79
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.836 (1.349)	180	36137	2.00000	2.085	50.00- 150.00	100.00
28.836	28.836 (1.349)	182	32197			42.30- 142.30	89.10
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	29841	2.00000	2.124	50.00- 150.00	100.00
29.029	29.029 (1.358)	223	21564			17.56- 117.56	72.26
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	72106	2.00000	2.084	50.00- 150.00	100.00
29.416	29.416 (1.377)	127	12522			0.00- 65.05	17.37
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.581)	43	57290	2.00000	2.024	50.00- 150.00	100.00
8.375	8.375 (0.581)	57	37085			17.99- 117.99	64.73
19 Butane					CAS #: 106-97-8		
6.771	6.771 (0.470)	58	10469	2.00000	2.243	50.00- 150.00	100.00
6.771	6.771 (0.470)	43	65579			669.96- 769.96	626.41
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.175)	83	63725	2.00000	2.050	50.00- 150.00	100.00
16.919	16.919 (1.175)	98	28873			0.00- 96.77	45.31
16.919	16.919 (1.175)	55	48686			28.68- 128.68	76.40

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: 7052407.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	309300	0.71
97 1,4-Difluorobenze	1303937	782362	1825512	1291543	-0.95
126 Chlorobenzene-d5	1085808	651485	1520131	1046054	-3.66

		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/7-24may.b/7052407.d

Date : 24-MAY-2007 20:12

Client ID: Level #3

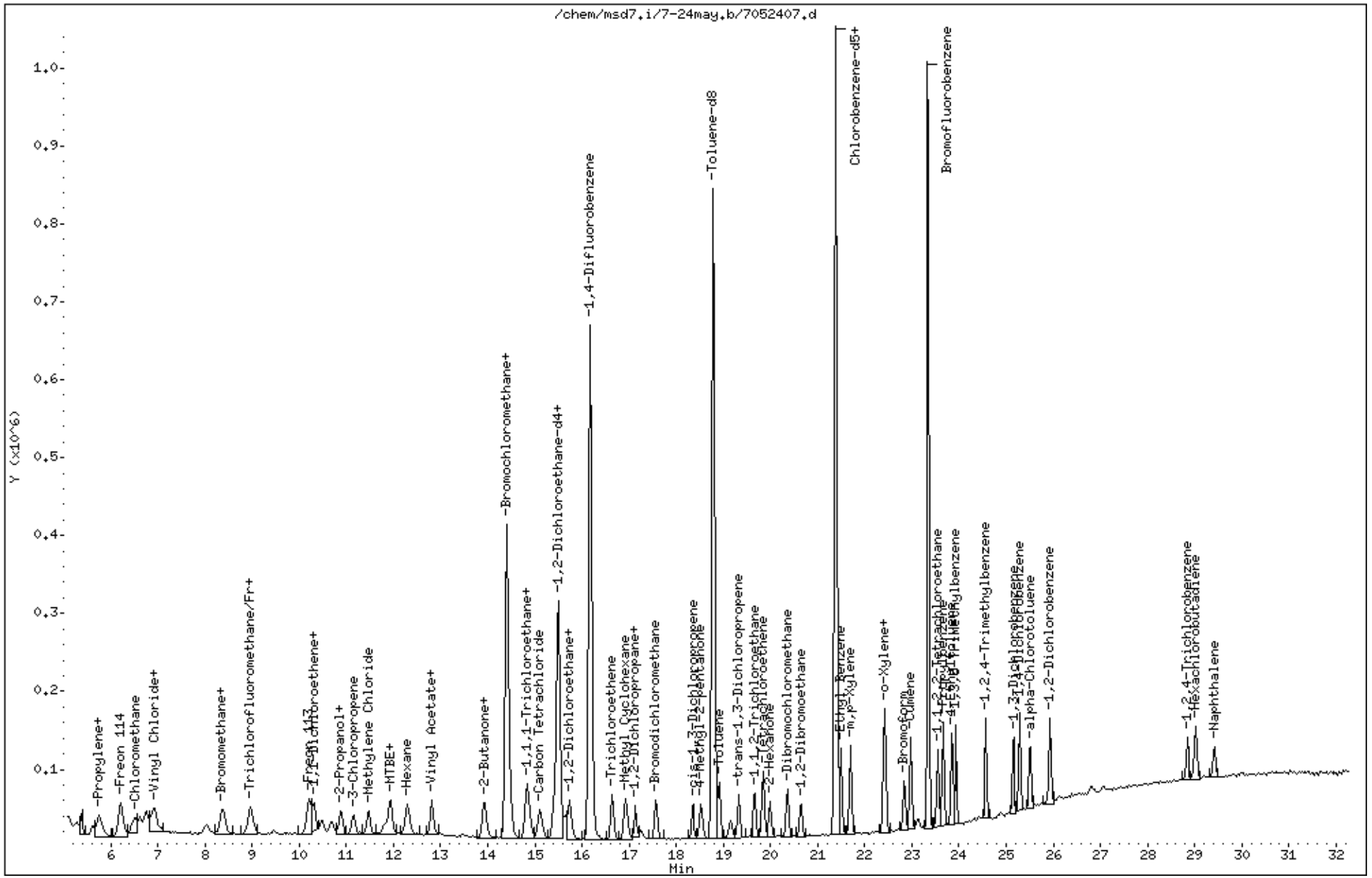
Sample Info: 2.0mL #1487-286

Column phase: RTx-624

Instrument: msd7.i

Operator: srs

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30may.b/7053003.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 30-MAY-2007 10:16
Operator : ct Inst ID: msd7.i
Smp Info : 8.0mL #1443-96
Misc Info : 8.0/48ppbv (200/1200ppbv)
Comment :
Method : /chem/msd7.i/7-30may.b/t14q524b.m
Meth Date : 30-May-2007 12:25 ctaylor Quant Type: ISTD
Cal Date : 30-MAY-2007 10:16 Cal File: 7053003.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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		
14.416	14.416 (1.000)	130	330421	25.0000		50.00- 150.00	100.00
14.416	14.416 (1.000)	128	250613			27.16- 127.16	75.85
14.416	14.416 (1.000)	49	443870			130.32- 230.32	134.33
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.185	16.185 (1.000)	114	1336087	25.0000		50.00- 150.00	100.00
16.185	16.185 (1.000)	88	218500			0.00- 66.65	16.35
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.384	21.384 (1.000)	117	1063039	25.0000		50.00- 150.00	100.00
21.356	21.356 (1.000)	82	649948			12.15- 112.15	61.14
9 Freon 13					CAS #: 75-72-9		
5.222	5.222 (0.362)	85	97482	8.00000	7.819	50.00- 150.00	100.00
5.194	5.194 (0.360)	87	30838			0.00- 83.31	31.63
5.279	5.279 (0.366)	69	746056			712.50- 812.50	765.33
5 Freon 143a					CAS #: 420-46-2		
5.307	5.307 (0.368)	65	110178	8.00000	7.695	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
5 Freon 143a (continued)							
5.279	5.279 (0.366)	69	749282			630.06- 730.06	680.06
5.335	5.335 (0.370)	64	29061			0.00- 76.23	26.38
6 Freon142b					CAS #: 75-68-3		
6.349	6.349 (0.440)	65	337851	8.00000	7.844	50.00- 150.00	100.00
6.349	6.349 (0.440)	45	81206			0.00- 73.65	24.04
13 Freon 134a					CAS #: 811-97-2		
5.448	5.448 (0.378)	83	174184	8.00000	7.848	50.00- 150.00	100.00
5.814	5.814 (0.403)	69	18332			0.00- 61.67	10.52
5.448	5.448 (0.378)	63	16334			0.00- 61.97	9.38
15 Freon 152a					CAS #: 75-37-6		
5.673	5.673 (0.394)	65	102888	8.00000	8.054	50.00- 150.00	100.00
5.673	5.673 (0.394)	51	144291			104.40- 204.40	140.24
5.673	5.673 (0.394)	47	51012			0.31- 100.31	49.58
17 Freon 22					CAS #: 75-45-6		
5.814	5.814 (0.403)	51	313533	8.00000	8.113	50.00- 150.00	100.00
5.814	5.814 (0.403)	67	46535			0.00- 65.96	14.84
5.842	5.842 (0.405)	85	4866			0.00- 51.63	1.55
26 Methanol					CAS #: 67-56-1		
7.588	7.588 (0.526)	31	267316	48.0000	48.000	50.00- 150.00	100.00(a)
7.588	7.588 (0.526)	32	189242			64.33- 164.33	70.79
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.940	8.940 (0.620)	67	289365	8.00000	7.896	50.00- 150.00	100.00
8.940	8.940 (0.620)	69	90130			0.00- 81.58	31.15
8.940	8.940 (0.620)	35	15778			0.00- 56.11	5.45
40 Freon123a					CAS #: 354-23-4		
9.798	9.798 (0.680)	67	184135	8.00000	7.929	50.00- 150.00	100.00
9.798	9.798 (0.680)	117	131487			22.19- 122.19	71.41
41 Freon123					CAS #: 306-83-2		
9.964	9.964 (0.691)	83	103976	8.00000	7.487	50.00- 150.00	100.00
9.964	9.964 (0.691)	133	26020			0.00- 76.02	25.03
9.964	9.964 (0.691)	85	76743			17.50- 117.50	73.81
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.513	11.513 (0.799)	59	296696	8.00000	7.471	50.00- 150.00	100.00
11.513	11.513 (0.799)	41	60621			0.00- 70.86	20.43
11.513	11.513 (0.799)	57	33141			0.00- 59.35	11.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether					CAS #: 108-20-3		
12.702	12.702 (0.881)	45	515519	8.00000	7.991	50.00- 150.00	100.00
12.729	12.729 (0.883)	87	142475			0.00- 77.38	27.64
12.729	12.729 (0.883)	59	47470			0.00- 59.02	9.21
71 1-Propanol					CAS #: 71-23-8		
12.840	12.840 (0.891)	42	33459	8.00000	7.671	50.00- 150.00	100.00
12.840	12.840 (0.891)	59	49373			86.69- 186.69	147.56
12.702	12.702 (0.881)	41	111856			279.83- 379.83	334.31
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.393	13.393 (0.929)	59	415123	8.00000	7.720	50.00- 150.00	100.00
13.393	13.393 (0.929)	87	169850			0.00- 90.38	40.92
13.393	13.393 (0.929)	41	76740			0.00- 70.19	18.49
77 Ethyl Acetate					CAS #: 141-78-6		
13.891	13.891 (0.964)	45	50665	8.00000	8.027	50.00- 150.00	100.00
13.891	13.891 (0.964)	61	49008			47.56- 147.56	96.73
13.891	13.891 (0.964)	43	344928			630.17- 730.17	680.80
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.550	15.550 (1.079)	73	373202	8.00000	7.609	50.00- 150.00	100.00
15.550	15.550 (1.079)	87	90284			0.00- 73.20	24.19
15.550	15.550 (1.079)	55	90330			0.00- 73.78	24.20
96 2-Heptanone					CAS #: 110-43-0		
22.517	22.517 (1.562)	58	233062	8.00000	8.710	50.00- 150.00	100.00
22.517	22.517 (1.562)	43	358208			102.41- 202.41	153.70
98 1-Butanol					CAS #: 71-36-3		
16.351	16.351 (1.010)	56	88466	8.00000	8.338	50.00- 150.00	100.00
16.351	16.351 (1.010)	41	68323			29.92- 129.92	77.23
16.351	16.351 (1.010)	43	52963			6.61- 106.61	59.87
99 Isobutanol					CAS #: 78-83-1		
15.135	15.135 (1.050)	59	4490	8.00000	9.019	50.00- 150.00	100.00
15.162	15.162 (1.052)	41	82942			1590.47-1690.47	1847.26
15.162	15.162 (1.052)	43	107014			2977.87-3077.87	2383.39
119 Butyl Acetate					CAS #: 123-86-4		
20.084	20.084 (1.241)	56	156990	8.00000	8.360	50.00- 150.00	100.00
20.084	20.084 (1.241)	73	53183			0.00- 85.76	33.88
20.084	20.084 (1.241)	43	376010			188.93- 288.93	239.51
135 Cyclohexanone					CAS #: 108-94-1		
23.291	23.291 (1.089)	55	177240	8.00000	8.095	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
23.291	23.291 (1.089)	98	82692			0.00- 95.50	46.66
23.291	23.291 (1.089)	42	123745			17.00- 117.00	69.82
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.093	24.093 (1.127)	57	450336	8.00000	8.179	50.00- 150.00	100.00
24.093	24.093 (1.127)	85	369251			31.84- 131.84	81.99
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7053003.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30may.b/t14q524b.m
Misc Info: 8.0/48ppbv (200/1200ppbv)

Calibration Date: 30-MAY-2007
Calibration Time: 11:07
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	337478	202487	472469	330421	-2.09
97 1,4-Difluorobenze	1376875	826125	1927625	1336087	-2.96
126 Chlorobenzene-d5	1101780	661068	1542492	1063039	-3.52

		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	21.38	21.05	21.71	21.38	0.00

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

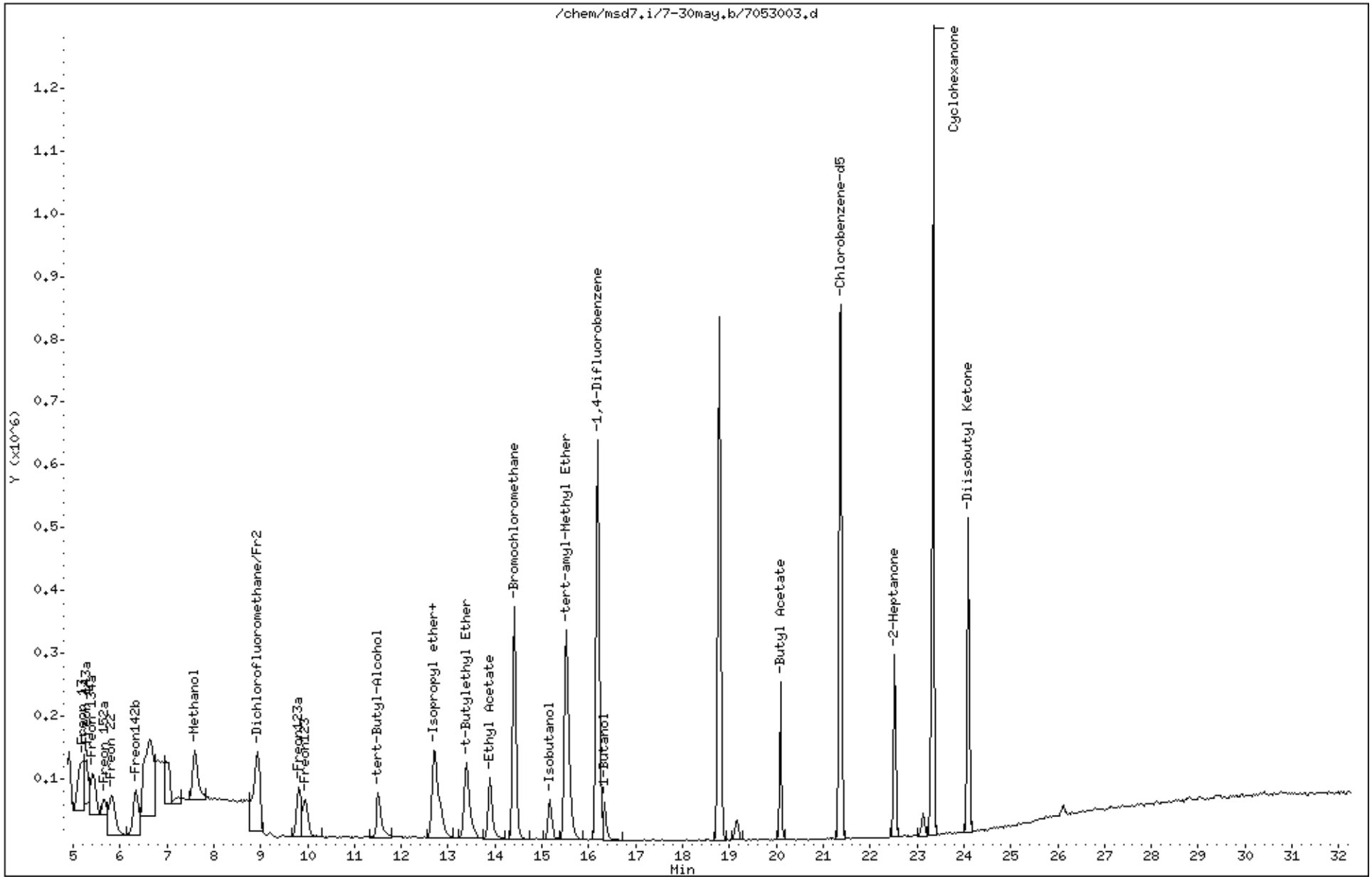
0130

Data File: /chem/msd7.i/7-30may.b/7053003.d
Date : 30-MAY-2007 10:16
Client ID: Level 4
Sample Info: 8.0mL #1443-96

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/7-24may.b/7052408.d
Lab Smp Id: ICAL Client Smp ID: Level #4
Inj Date : 24-MAY-2007 20:51
Operator : srs Inst ID: msd7.i
Smp Info : 25mL #1487-286
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 25-May-2007 07:46 ctaylor Quant Type: ISTD
Cal Date : 24-MAY-2007 20:51 Cal File: 7052408.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		
14.403	14.402 (1.000)	130	300776	25.0000		80.00- 120.00	100.00
14.403	14.402 (1.000)	128	237364			27.33- 127.33	78.92
14.403	14.402 (1.000)	49	569360			167.34- 267.34	189.30
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1292651	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	219288			0.00- 66.89	16.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1080098	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	673293			12.65- 112.65	62.34
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.509	15.481 (1.077)	65	495173	25.0000	25.158	80.00- 120.00	100.00
15.509	15.481 (1.077)	67	266596			2.55- 102.55	53.84
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1322873	25.0000	25.355	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	153103			0.00- 61.67	11.57

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	874226			16.85- 116.85	66.09
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	591015	25.0000	25.541	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	834828			92.61- 192.61	141.25
23.361	23.361 (1.093)	176	566400			46.73- 146.73	95.84
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	408007	25.0000	25.408	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	272338			16.44- 116.44	66.75
5.610	5.610 (0.390)	39	330200			28.16- 128.16	80.93
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.721	5.720 (0.397)	85	1711240	25.0000	27.883	80.00- 120.00	100.00
5.748	5.720 (0.399)	87	547441			0.00- 83.79	31.99
16 Freon 114					CAS #: 76-14-2		
6.191	6.190 (0.430)	135	1042512	25.0000	28.355	80.00- 120.00	100.00
6.191	6.190 (0.430)	137	317799			0.00- 81.43	30.48
18 Chloromethane					CAS #: 74-87-3		
6.412	6.412 (0.445)	50	449526	25.0000	25.906	80.00- 120.00	100.00
6.440	6.412 (0.447)	52	154585			0.00- 85.14	34.39
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	617703	25.0000	28.124	80.00- 120.00	100.00
6.854	6.854 (0.476)	64	198265			0.00- 85.30	32.10
22 1,3-Butadiene					CAS #: 106-99-0		
6.910	6.909 (0.480)	54	439756	25.0000	27.599	80.00- 120.00	100.00
6.910	6.909 (0.480)	39	460838			62.71- 162.71	104.79
25 Bromomethane					CAS #: 74-83-9		
8.016	8.015 (0.557)	94	447153	25.0000	26.814	80.00- 120.00	100.00
8.016	8.015 (0.557)	96	417735			44.10- 144.10	93.42
27 Chloroethane					CAS #: 75-00-3		
8.320	8.319 (0.578)	64	295829	25.0000	27.549	80.00- 120.00	100.00
8.320	8.319 (0.578)	49	83315			0.00- 76.89	28.16
8.320	8.319 (0.578)	66	94150			0.00- 82.89	31.83
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.956	8.955 (0.622)	101	1669349	25.0000	29.127	80.00- 120.00	100.00
8.956	8.955 (0.622)	103	1082357			14.79- 114.79	64.84

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	9.425 (0.656)	45	193682	25.0000	25.287	80.00- 120.00	100.00
9.453	9.425 (0.656)	43	43469			0.00- 74.71	22.44
9.453	9.425 (0.656)	46	73370			0.00- 90.99	37.88
42 Freon 113					CAS #: 76-13-1		
10.227	10.200 (0.710)	151	850360	25.0000	29.531	80.00- 120.00	100.00
10.227	10.200 (0.710)	153	537897			13.50- 113.50	63.26
10.200	10.200 (0.708)	101	1099019			81.08- 181.08	129.24
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.310 (0.716)	61	1029928	25.0000	29.136	80.00- 120.00	100.00
10.338	10.310 (0.718)	96	572265			4.92- 104.92	55.56
10.338	10.310 (0.718)	98	360822			0.00- 84.94	35.03
45 Acetone					CAS #: 67-64-1		
10.504	10.476 (0.729)	58	255595	25.0000	25.266	80.00- 120.00	100.00
10.476	10.476 (0.727)	43	914989			283.72- 383.72	357.98
46 2-Propanol					CAS #: 67-63-0		
10.698	10.670 (0.743)	45	1040451	25.0000	27.275	80.00- 120.00	100.00
10.670	10.670 (0.741)	43	249974			0.00- 75.96	24.03
10.698	10.670 (0.743)	59	43064			0.00- 54.18	4.14
47 Carbon Disulfide					CAS #: 75-15-0		
10.863	10.863 (0.754)	76	1730181	25.0000	30.073	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.140 (0.775)	76	299681	25.0000	27.494	80.00- 120.00	100.00
11.168	11.140 (0.775)	41	790277			206.85- 306.85	263.71
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.444 (0.796)	49	662302	25.0000	29.189	80.00- 120.00	100.00
11.472	11.444 (0.796)	84	497335			25.48- 125.48	75.09
11.472	11.444 (0.796)	51	203132			0.00- 83.13	30.67
60 MTBE					CAS #: 1634-04-4		
11.831	11.803 (0.821)	73	718109	25.0000	25.188	80.00- 120.00	100.00
11.831	11.803 (0.821)	57	151552			0.00- 71.58	21.10
11.831	11.803 (0.821)	41	153664			0.00- 76.24	21.40
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.914 (0.829)	96	650448	25.0000	30.398	80.00- 120.00	100.00
11.942	11.914 (0.829)	61	1001239			104.88- 204.88	153.93
11.942	11.914 (0.829)	98	403671			16.45- 116.45	62.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	1010373	25.0000	29.265	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	617680			6.95- 106.95	61.13
12.301	12.301 (0.854)	86	157759			0.00- 65.49	15.61
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	142793	25.0000	25.934	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	1676627			1062.71-1162.71	1174.17
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.827	12.826 (0.891)	63	1172663	25.0000	29.890	80.00- 120.00	100.00
12.827	12.826 (0.891)	65	375065			0.00- 82.29	31.98
75 2-Butanone					CAS #: 78-93-3		
13.905	13.877 (0.965)	72	279279	25.0000	30.795	80.00- 120.00	100.00
13.905	13.877 (0.965)	43	1162144			366.95- 466.95	416.12
13.905	13.877 (0.965)	57	88056			0.00- 89.31	31.53
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.933	13.932 (0.967)	61	846504	25.0000	30.575	80.00- 120.00	100.00
13.933	13.932 (0.967)	96	596254			20.04- 120.04	70.44
13.933	13.932 (0.967)	98	373215			0.00- 95.13	44.09
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.402 (1.000)	42	634973	25.0000	29.288	80.00- 120.00	100.00
14.403	14.402 (1.000)	71	260881			0.00- 91.03	41.09
14.403	14.402 (1.000)	72	272766			0.00- 92.26	42.96
82 Chloroform					CAS #: 67-66-3		
14.486	14.458 (1.006)	83	1201492	25.0000	30.325	80.00- 120.00	100.00
14.486	14.458 (1.006)	85	754922			12.77- 112.77	62.83
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	1195419	25.0000	30.199	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	764375			13.77- 113.77	63.94
85 Cyclohexane					CAS #: 110-82-7		
14.873	14.845 (1.033)	84	750890	25.0000	28.880	80.00- 120.00	100.00
14.845	14.845 (1.031)	56	884728			65.92- 165.92	117.82
14.845	14.845 (1.031)	41	504958			17.38- 117.38	67.25
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.094 (1.050)	119	1113067	25.0000	30.442	80.00- 120.00	100.00
15.121	15.094 (1.050)	117	1150846			53.39- 153.39	103.39
91 Benzene					CAS #: 71-43-2		
15.536	15.508 (0.961)	78	1641694	25.0000	30.624	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	15.508 (0.961)	77	375691			0.00- 72.72	22.88
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.425 (1.071)	57	2445692	25.0000	30.406	80.00- 120.00	100.00
15.426	15.425 (1.071)	56	804021			0.00- 84.27	32.87
15.426	15.425 (1.071)	41	688800			0.00- 79.95	28.16
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	818306	25.0000	30.462	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	267795			0.00- 83.63	32.73
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	522900	25.0000	29.483	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	943094			137.75- 237.75	180.36
15.730	15.730 (0.973)	57	512976			45.48- 145.48	98.10
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	691990	25.0000	29.214	80.00- 120.00	100.00
16.642	16.642 (1.029)	130	638857			44.18- 144.18	92.32
16.642	16.642 (1.029)	97	450186			15.53- 115.53	65.06
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	587802	25.0000	30.433	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	428195			22.53- 122.53	72.85
17.140	17.140 (1.060)	41	387224			16.58- 116.58	65.88
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.250 (1.068)	88	381557	25.0000	27.985	80.00- 120.00	100.00
17.278	17.250 (1.068)	58	251805			15.44- 115.44	65.99
17.278	17.250 (1.068)	57	90632			0.00- 74.40	23.75
107 Bromodichloromethane					CAS #: 75-27-4		
17.555	17.554 (1.085)	83	1235306	25.0000	30.698	80.00- 120.00	100.00
17.582	17.554 (1.087)	85	768543			11.79- 111.79	62.21
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	950532	25.0000	30.549	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	299457			0.00- 82.19	31.50
18.356	18.356 (1.135)	39	536799			6.73- 106.73	56.47
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	493522	25.0000	30.160	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	1268881			200.34- 300.34	257.11
18.550	18.522 (1.147)	85	217375			0.00- 99.51	44.05

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	1878554	25.0000	30.751	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	1161215			12.02- 112.02	61.81
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1009722	25.0000	30.740	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	319942			0.00- 81.77	31.69
19.324	19.324 (0.904)	39	535876			2.54- 102.54	53.07
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.683 (0.921)	97	670900	25.0000	29.267	80.00- 120.00	100.00
19.684	19.683 (0.921)	99	421206			11.97- 111.97	62.78
19.684	19.683 (0.921)	83	572566			34.75- 134.75	85.34
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	832929	25.0000	30.029	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	641903			27.04- 127.04	77.07
19.849	19.849 (0.929)	131	614380			23.78- 123.78	73.76
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	680060	25.0000	27.892	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	1265085			138.91- 238.91	186.03
19.988	19.988 (0.935)	100	125485			0.00- 68.82	18.45
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	1148386	25.0000	30.603	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	897316			33.20- 133.20	78.14
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	1062854	25.0000	30.709	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1009897			44.34- 144.34	95.02
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	1551000	25.0000	30.464	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	501682			0.00- 81.90	32.35
21.425	21.425 (1.003)	77	1192895			25.41- 125.41	76.91
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	806743	25.0000	29.734	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	2578437			263.64- 363.64	319.61
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1021245	25.0000	30.109	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	2086889			155.97- 255.97	204.35
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	907683	25.0000	29.037	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	1958174			163.30- 263.30	215.73
131 Styrene					CAS #: 100-42-5		
22.449	22.448 (1.050)	104	1555727	25.0000	30.390	80.00- 120.00	100.00
22.421	22.448 (1.049)	78	841828			4.16- 104.16	54.11
133 Bromoform					CAS #: 75-25-2		
22.836	22.835 (1.069)	173	989430	25.0000	30.705	80.00- 120.00	100.00
22.836	22.835 (1.069)	171	510580			1.69- 101.69	51.60
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	2397174	25.0000	28.180	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	600884			0.00- 75.30	25.07
22.974	22.974 (1.075)	51	239336			0.00- 61.22	9.98
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.555	23.554 (1.102)	83	1338152	25.0000	28.558	80.00- 120.00	100.00
23.555	23.554 (1.102)	85	829102			12.11- 112.11	61.96
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	2964328	25.0000	28.580	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	650684			0.00- 71.84	21.95
23.665	23.665 (1.107)	105	109865			0.00- 53.86	3.71
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	2568759	25.0000	29.086	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	734445			0.00- 79.21	28.59
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.941 (1.120)	105	2156026	25.0000	28.639	80.00- 120.00	100.00
23.942	23.941 (1.120)	120	1026146			0.00- 97.89	47.59
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.577 (1.150)	105	1954224	25.0000	28.390	80.00- 120.00	100.00
24.578	24.577 (1.150)	120	886687			0.00- 95.99	45.37
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	1254379	25.0000	28.300	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	800585			15.22- 115.22	63.82
25.158	25.158 (1.177)	111	565543			0.00- 95.49	45.09
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	1276202	25.0000	27.816	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	810105			12.87- 112.87	63.48
25.296	25.296 (1.184)	111	560911			0.00- 94.15	43.95

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	25.517 (1.194)	91	1974322	25.0000	27.556	80.00- 120.00	100.00
25.518	25.517 (1.194)	126	369984			0.00- 68.04	18.74
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	1114112	25.0000	27.682	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	718403			12.95- 112.95	64.48
25.932	25.932 (1.213)	111	516119			0.00- 96.16	46.33
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.835 (1.349)	180	405781	25.0000	23.400	80.00- 120.00	100.00
28.836	28.835 (1.349)	182	373294			45.51- 145.51	91.99
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	325784	25.0000	23.245	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	205419			15.56- 115.56	63.05
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	781022	25.0000	22.819	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	99961			0.00- 63.92	12.80
29 Isopentane					CAS #: 78-78-4		
8.375	8.347 (0.581)	43	703514	25.0000	25.369	80.00- 120.00	100.00
8.375	8.347 (0.581)	57	501176			19.65- 119.65	71.24
19 Butane					CAS #: 106-97-8		
6.744	6.743 (0.468)	58	108782	25.0000	24.302	80.00- 120.00	100.00
6.744	6.743 (0.468)	43	843066			703.35- 803.35	775.01
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.918 (1.175)	83	965864	25.0000	29.870	80.00- 120.00	100.00
16.919	16.918 (1.175)	98	428693			0.00- 95.72	44.38
16.919	16.918 (1.175)	55	772211			29.18- 129.18	79.95

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7052408.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	300776	-2.07
97 1,4-Difluorobenze	1303937	782362	1825512	1292651	-0.87
126 Chlorobenzene-d5	1085808	651485	1520131	1080098	-0.53

		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.

0140

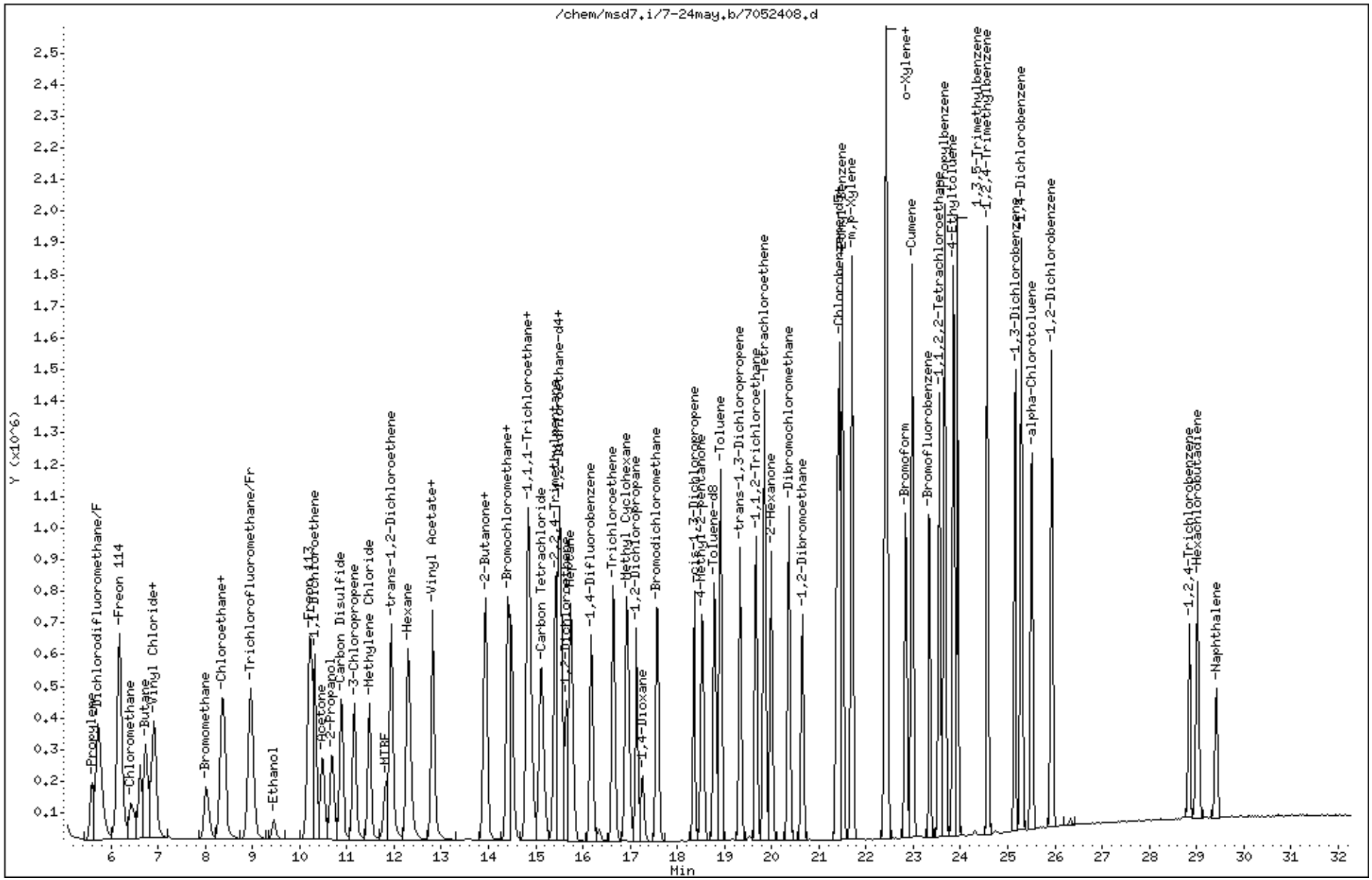
Data File: /chem/msd7.i/7-24may.b/7052408.d
Date : 24-MAY-2007 20:51
Client ID: Level #4
Sample Info: 25mL #1487-286

Instrument: msd7.i

Operator: srs

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30may.b/7053004.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 30-MAY-2007 11:07
Operator : ct Inst ID: msd7.i
Smp Info : 50mL #1443-96
Misc Info : 50/300ppbv (200/1200ppbv)
Comment :
Method : /chem/msd7.i/7-30may.b/t14q524b.m
Meth Date : 30-May-2007 12:25 ctaylor Quant Type: ISTD
Cal Date : 30-MAY-2007 11:07 Cal File: 7053004.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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		
14.416	14.416 (1.000)	130	337478	25.0000		80.00- 120.00	100.00
14.416	14.416 (1.000)	128	258394			26.57- 126.57	76.57
14.388	14.388 (1.000)	49	451178			83.69- 183.69	133.69
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.186	16.186 (1.000)	114	1376875	25.0000		80.00- 120.00	100.00
16.186	16.186 (1.000)	88	230546			0.00- 66.74	16.74
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.384	21.384 (1.000)	117	1101780	25.0000		80.00- 120.00	100.00
21.356	21.356 (1.000)	82	668099			11.83- 111.83	60.64
9 Freon 13					CAS #: 75-72-9		
5.166	5.166 (0.358)	85	694041	50.0000	52.917	80.00- 120.00	100.00
5.166	5.166 (0.358)	87	222926			0.00- 82.91	32.12
5.251	5.251 (0.364)	69	5095649			703.07- 803.07	734.20
5 Freon 143a					CAS #: 420-46-2		
5.279	5.279 (0.366)	65	712591	50.0000	49.145	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
5 Freon 143a (continued)							
5.251	5.251 (0.364)	69	4065312			630.06- 730.06	570.50
5.279	5.279 (0.366)	64	178680			0.00- 75.85	25.07
6 Freon142b					CAS #: 75-68-3		
6.321	6.321 (0.438)	65	2254469	50.0000	50.827	80.00- 120.00	100.00
6.321	6.321 (0.438)	45	514831			0.00- 73.38	22.84
13 Freon 134a					CAS #: 811-97-2		
5.420	5.420 (0.376)	83	1130593	50.0000	49.917	80.00- 120.00	100.00
5.420	5.420 (0.376)	69	1201815			0.00- 93.21	106.30
5.420	5.420 (0.376)	63	77190			0.00- 60.26	6.83
15 Freon 152a					CAS #: 75-37-6		
5.645	5.645 (0.392)	65	635973	50.0000	49.156	80.00- 120.00	100.00
5.645	5.645 (0.392)	51	982127			104.41- 204.41	154.43
5.645	5.645 (0.392)	47	320349			0.33- 100.33	50.37
17 Freon 22					CAS #: 75-45-6		
5.786	5.786 (0.401)	51	1970279	50.0000	49.943	80.00- 120.00	100.00
5.786	5.786 (0.401)	67	293228			0.00- 65.60	14.88
5.786	5.786 (0.401)	85	30248			0.00- 51.60	1.54
26 Methanol					CAS #: 67-56-1		
7.588	7.588 (0.526)	31	1745246	300.000	303.38	80.00- 120.00	100.00
7.588	7.588 (0.526)	32	1301260			24.56- 124.56	74.56
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.912	8.912 (0.618)	67	1878620	50.0000	50.125	80.00- 120.00	100.00
8.912	8.912 (0.618)	69	601263			0.00- 81.72	32.01
8.912	8.912 (0.618)	35	110895			0.00- 56.04	5.90
40 Freon123a					CAS #: 354-23-4		
9.799	9.799 (0.680)	67	1222003	50.0000	51.003	80.00- 120.00	100.00
9.799	9.799 (0.680)	117	861274			21.62- 121.62	70.48
41 Freon123					CAS #: 306-83-2		
9.964	9.964 (0.691)	83	705572	50.0000	49.829	80.00- 120.00	100.00
9.964	9.964 (0.691)	133	136096			0.00- 73.77	19.29
9.964	9.964 (0.691)	85	487535			18.03- 118.03	69.10
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.513	11.513 (0.799)	59	1745405	50.0000	45.126	80.00- 120.00	100.00
11.513	11.513 (0.799)	41	343506			0.00- 70.86	19.68
11.513	11.513 (0.799)	57	181525			0.00- 59.35	10.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether					CAS #: 108-20-3		
12.702	12.702 (0.881)	45	3499506	50.0000	52.031	80.00- 120.00	100.00
12.702	12.702 (0.881)	87	946091			0.00- 77.27	27.03
12.702	12.702 (0.881)	59	344116			0.00- 59.29	9.83
71 1-Propanol					CAS #: 71-23-8		
12.840	12.840 (0.891)	42	248777	50.0000	53.750	80.00- 120.00	100.00
12.840	12.840 (0.891)	59	326279			84.84- 184.84	131.15
12.702	12.702 (0.881)	41	743507			269.51- 369.51	298.86
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.393	13.393 (0.929)	59	2869816	50.0000	51.481	80.00- 120.00	100.00
13.393	13.393 (0.929)	87	1163829			0.00- 90.44	40.55
13.365	13.365 (0.927)	41	484071			0.00- 69.08	16.87
77 Ethyl Acetate					CAS #: 141-78-6		
13.891	13.891 (0.964)	45	347135	50.0000	52.502	80.00- 120.00	100.00
13.891	13.891 (0.964)	61	349194			48.57- 148.57	100.59
13.891	13.891 (0.964)	43	2438692			637.62- 737.62	702.52
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.550	15.550 (1.079)	73	2405506	50.0000	48.662	80.00- 120.00	100.00
15.550	15.550 (1.079)	87	587021			0.00- 73.60	24.40
15.550	15.550 (1.079)	55	561868			0.00- 73.64	23.36
96 2-Heptanone					CAS #: 110-43-0		
22.517	22.517 (1.562)	58	1679345	50.0000	57.089	80.00- 120.00	100.00
22.517	22.517 (1.562)	43	2629964			103.81- 203.81	156.61
98 1-Butanol					CAS #: 71-36-3		
16.324	16.324 (1.009)	56	773726	50.0000	62.160	80.00- 120.00	100.00
16.324	16.324 (1.009)	41	551472			27.04- 127.04	71.27
16.324	16.324 (1.009)	43	411242			5.46- 105.46	53.15
99 Isobutanol					CAS #: 78-83-1		
15.162	15.162 (1.052)	59	27738	50.0000	52.945	80.00- 120.00	100.00
15.162	15.162 (1.052)	41	618986			1787.49-1887.49	2231.55
15.162	15.162 (1.052)	43	810869			2943.02-3043.02	2923.31
119 Butyl Acetate					CAS #: 123-86-4		
20.084	20.084 (1.241)	56	1138692	50.0000	55.567	80.00- 120.00	100.00
20.084	20.084 (1.241)	73	380705			0.00- 83.43	33.43
20.084	20.084 (1.241)	43	2677413			185.13- 285.13	235.13
135 Cyclohexanone					CAS #: 108-94-1		
23.291	23.291 (1.089)	55	1219024	50.0000	52.418	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
23.291	23.291 (1.089)	98	582250			0.00- 96.26	47.76
23.291	23.291 (1.089)	42	877171			18.65- 118.65	71.96
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.093	24.093 (1.127)	57	2870975	50.0000	50.206	80.00- 120.00	100.00
24.093	24.093 (1.127)	85	2325916			31.01- 131.01	81.01
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: 7053004.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30may.b/t14q524b.m
Misc Info: 50/300ppbv (200/1200ppbv)

Calibration Date: 30-MAY-2007
Calibration Time: 11:07
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	337478	202487	472469	337478	0.00
97 1,4-Difluorobenze	1376875	826125	1927625	1376875	0.00
126 Chlorobenzene-d5	1101780	661068	1542492	1101780	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	21.38	21.05	21.71	21.38	0.00

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

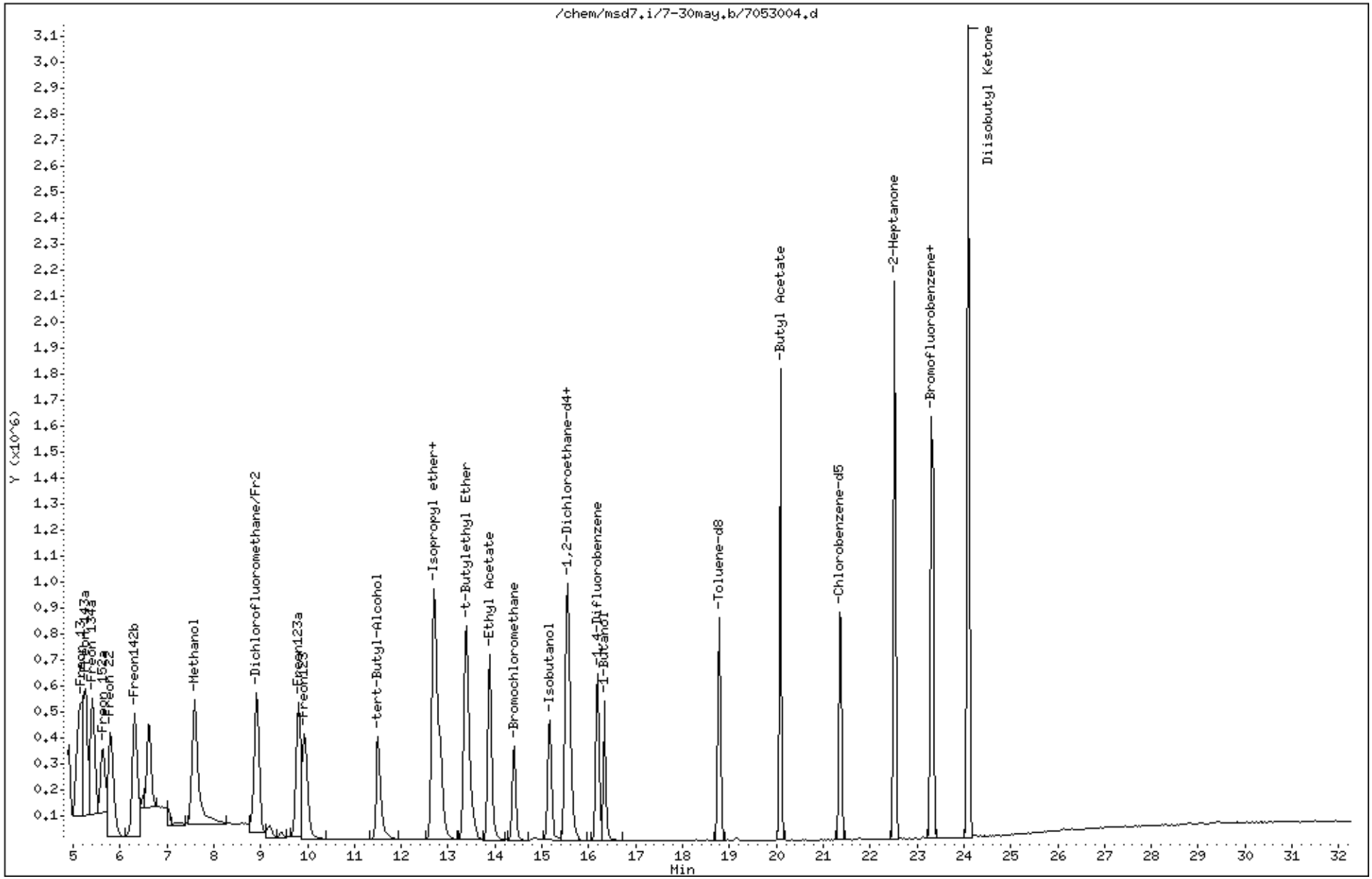
0146

Data File: /chem/msd7.i/7-30may.b/7053004.d
Date : 30-MAY-2007 11:07
Client ID: Level 5
Sample Info: 50mL #1443-96

Column phase: RTx-624

Instrument: msd7.i

Operator: ct
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052409.d
Lab Smp Id: ICAL Client Smp ID: Level #5
Inj Date : 24-MAY-2007 21:34
Operator : srs Inst ID: msd7.i
Smp Info : 50mL #1487-286
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 24-May-2007 21:56 sscott Quant Type: ISTD
Cal Date : 24-MAY-2007 21:34 Cal File: 7052409.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		
14.402	14.402 (1.000)	130	307119	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	237503			27.33- 127.33	77.33
14.402	14.402 (1.000)	49	667493			167.34- 267.34	217.34
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1303937	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	220277			0.00- 66.89	16.89
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1085808	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	679567			12.59- 112.59	62.59
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.481	15.481 (1.075)	65	505211	25.0000	25.000	80.00- 120.00	100.00
15.481	15.481 (1.075)	67	275797			4.59- 104.59	54.59
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1320459	25.0000	25.000	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	155281			0.00- 61.76	11.76

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	873614			16.16- 116.16	66.16
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	606252	25.0000	25.000	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	864549			92.61- 192.61	142.61
23.361	23.361 (1.093)	176	586452			46.73- 146.73	96.73
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	810864	50.0000	50.000	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	543281			17.00- 117.00	67.00
5.610	5.610 (0.390)	39	643090			29.31- 129.31	79.31
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.720	5.720 (0.397)	85	3414542	50.0000	50.000	80.00- 120.00	100.00
5.720	5.720 (0.397)	87	1107613			0.00- 82.44	32.44
16 Freon 114					CAS #: 76-14-2		
6.190	6.190 (0.430)	135	2058651	50.0000	50.000	80.00- 120.00	100.00
6.190	6.190 (0.430)	137	647017			0.00- 81.43	31.43
18 Chloromethane					CAS #: 74-87-3		
6.412	6.412 (0.445)	50	886805	50.0000	50.000	80.00- 120.00	100.00
6.412	6.412 (0.445)	52	295509			0.00- 83.32	33.32
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	1204888	50.0000	50.000	80.00- 120.00	100.00
6.854	6.854 (0.476)	64	380791			0.00- 81.60	31.60
22 1,3-Butadiene					CAS #: 106-99-0		
6.909	6.909 (0.480)	54	874383	50.0000	50.000	80.00- 120.00	100.00
6.909	6.909 (0.480)	39	917892			54.98- 154.98	104.98
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.557)	94	873101	50.0000	50.000	80.00- 120.00	100.00
8.015	8.015 (0.557)	96	821587			44.10- 144.10	94.10
27 Chloroethane					CAS #: 75-00-3		
8.319	8.319 (0.578)	64	594778	50.0000	50.000	80.00- 120.00	100.00
8.319	8.319 (0.578)	49	169576			0.00- 78.51	28.51
8.319	8.319 (0.578)	66	185690			0.00- 81.22	31.22
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.955	8.955 (0.622)	101	3294380	50.0000	50.000	80.00- 120.00	100.00
8.955	8.955 (0.622)	103	2134426			14.79- 114.79	64.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.425	9.425 (0.654)	45	393661	50.0000	50.000	80.00- 120.00	100.00
9.425	9.425 (0.654)	43	84261			0.00- 71.40	21.40
9.425	9.425 (0.654)	46	141136			0.00- 85.85	35.85
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	1669721	50.0000	50.000	80.00- 120.00	100.00
10.200	10.200 (0.708)	153	1060259			13.50- 113.50	63.50
10.200	10.200 (0.708)	101	2188702			81.08- 181.08	131.08
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.310	10.310 (0.716)	61	2017982	50.0000	50.000	80.00- 120.00	100.00
10.310	10.310 (0.716)	96	1108219			4.92- 104.92	54.92
10.310	10.310 (0.716)	98	705106			0.00- 84.94	34.94
45 Acetone					CAS #: 67-64-1		
10.476	10.476 (0.727)	58	531098	50.0000	50.000	80.00- 120.00	100.00
10.476	10.476 (0.727)	43	1788070			286.67- 386.67	336.67
46 2-Propanol					CAS #: 67-63-0		
10.670	10.670 (0.741)	45	2126171	50.0000	50.000	80.00- 120.00	100.00
10.670	10.670 (0.741)	43	512447			0.00- 74.10	24.10
10.670	10.670 (0.741)	59	86291			0.00- 54.06	4.06
47 Carbon Disulfide					CAS #: 75-15-0		
10.863	10.863 (0.754)	76	3437442	50.0000	50.000	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.140	11.140 (0.773)	76	598414	50.0000	50.000	80.00- 120.00	100.00
11.140	11.140 (0.773)	41	1558073			210.37- 310.37	260.37
54 Methylene Chloride					CAS #: 75-09-2		
11.444	11.444 (0.795)	49	1297979	50.0000	50.000	80.00- 120.00	100.00
11.444	11.444 (0.795)	84	979656			25.48- 125.48	75.48
11.444	11.444 (0.795)	51	392623			0.00- 80.25	30.25
60 MTBE					CAS #: 1634-04-4		
11.803	11.803 (0.820)	73	1501679	50.0000	50.000	80.00- 120.00	100.00
11.803	11.803 (0.820)	57	324092			0.00- 71.58	21.58
11.803	11.803 (0.820)	41	312105			0.00- 70.78	20.78
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.914	11.914 (0.827)	96	1264839	50.0000	50.000	80.00- 120.00	100.00
11.914	11.914 (0.827)	61	1959008			104.88- 204.88	154.88
11.914	11.914 (0.827)	98	814688			14.41- 114.41	64.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	1988200	50.0000	50.000	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	1209414			10.83- 110.83	60.83
12.301	12.301 (0.854)	86	305390			0.00- 65.36	15.36
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	284795	50.0000	50.000	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	3303409			1109.93-1209.93	1159.93
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	2295193	50.0000	50.000	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	741025			0.00- 82.29	32.29
75 2-Butanone					CAS #: 78-93-3		
13.877	13.877 (0.964)	72	549981	50.0000	50.000	80.00- 120.00	100.00
13.877	13.877 (0.964)	43	2293123			366.95- 466.95	416.95
13.877	13.877 (0.964)	57	178325			0.00- 82.42	32.42
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	1662019	50.0000	50.000	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	1164012			20.04- 120.04	70.04
13.932	13.932 (0.967)	98	750133			0.00- 95.13	45.13
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (1.000)	42	1254836	50.0000	50.000	80.00- 120.00	100.00
14.402	14.402 (1.000)	71	514887			0.00- 91.03	41.03
14.402	14.402 (1.000)	72	550997			0.00- 93.91	43.91
82 Chloroform					CAS #: 67-66-3		
14.458	14.458 (1.004)	83	2344925	50.0000	50.000	80.00- 120.00	100.00
14.458	14.458 (1.004)	85	1472025			12.77- 112.77	62.77
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	2369174	50.0000	50.000	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	1510762			13.77- 113.77	63.77
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	1478590	50.0000	50.000	80.00- 120.00	100.00
14.845	14.845 (1.031)	56	1713913			65.92- 165.92	115.92
14.845	14.845 (1.031)	41	996330			17.38- 117.38	67.38
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	2213146	50.0000	50.000	80.00- 120.00	100.00
15.094	15.094 (1.048)	117	2288129			53.39- 153.39	103.39
91 Benzene					CAS #: 71-43-2		
15.508	15.508 (0.959)	78	3202440	50.0000	50.000	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)							
15.508	15.508 (0.959)	77	727270			0.00- 72.71	22.71
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	4791747	50.0000	50.000	80.00- 120.00	100.00
15.425	15.425 (1.071)	56	1585010			0.00- 83.08	33.08
15.425	15.425 (1.071)	41	1348596			0.00- 78.14	28.14
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1612697	50.0000	50.000	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	523137			0.00- 82.44	32.44
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	1036529	50.0000	50.000	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1843362			127.84- 227.84	177.84
15.730	15.730 (0.973)	57	1025234			48.91- 148.91	98.91
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	1349296	50.0000	50.000	80.00- 120.00	100.00
16.642	16.642 (1.029)	130	1270779			44.18- 144.18	94.18
16.642	16.642 (1.029)	97	884230			15.53- 115.53	65.53
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	1145262	50.0000	50.000	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	830702			22.53- 122.53	72.53
17.140	17.140 (1.060)	41	762468			16.58- 116.58	66.58
106 1,4-Dioxane					CAS #: 123-91-1		
17.250	17.250 (1.067)	88	759389	50.0000	50.000	80.00- 120.00	100.00
17.250	17.250 (1.067)	58	496926			15.44- 115.44	65.44
17.250	17.250 (1.067)	57	178082			0.00- 73.45	23.45
107 Bromodichloromethane					CAS #: 75-27-4		
17.554	17.554 (1.085)	83	2427741	50.0000	50.000	80.00- 120.00	100.00
17.554	17.554 (1.085)	85	1500139			11.79- 111.79	61.79
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1869636	50.0000	50.000	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	601814			0.00- 82.19	32.19
18.329	18.329 (1.133)	39	1060729			6.73- 106.73	56.73
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	982208	50.0000	50.000	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2528471			207.43- 307.43	257.43
18.522	18.522 (1.145)	85	429277			0.00- 93.71	43.71

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	3680029	50.0000	50.000	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	2282214			12.02- 112.02	62.02
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	1989911	50.0000	50.000	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	632230			0.00- 81.77	31.77
19.324	19.324 (0.904)	39	1045418			2.54- 102.54	52.54
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	1320625	50.0000	50.000	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	818383			11.97- 111.97	61.97
19.683	19.683 (0.921)	83	1119179			34.75- 134.75	84.75
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1624895	50.0000	50.000	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	1251781			27.04- 127.04	77.04
19.849	19.849 (0.929)	131	1198824			23.78- 123.78	73.78
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1359054	50.0000	50.000	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2567422			138.91- 238.91	188.91
19.988	19.988 (0.935)	100	259073			0.00- 69.06	19.06
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	2267194	50.0000	50.000	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1759543			27.61- 127.61	77.61
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	2087727	50.0000	50.000	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	1969611			44.34- 144.34	94.34
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	3067741	50.0000	50.000	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	978720			0.00- 81.90	31.90
21.425	21.425 (1.003)	77	2313258			25.41- 125.41	75.41
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1577116	50.0000	50.000	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	5058562			270.75- 370.75	320.75
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	2009583	50.0000	50.000	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	4111712			154.61- 254.61	204.61
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	1790271	50.0000	50.000	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	3818599			163.30- 263.30	213.30
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	3043017	50.0000	50.000	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	1648118			4.16- 104.16	54.16
133 Bromoform					CAS #: 75-25-2		
22.835	22.835 (1.069)	173	1955060	50.0000	50.000	80.00- 120.00	100.00
22.835	22.835 (1.069)	171	1010611			1.69- 101.69	51.69
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	4745027	50.0000	50.000	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	1191183			0.00- 75.10	25.10
22.974	22.974 (1.075)	51	478001			0.00- 60.07	10.07
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	2642942	50.0000	50.000	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1641483			12.11- 112.11	62.11
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	5900537	50.0000	50.000	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	1282941			0.00- 71.74	21.74
23.665	23.665 (1.107)	105	219012			0.00- 53.71	3.71
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	5084352	50.0000	50.000	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	1485269			0.00- 79.21	29.21
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	4236555	50.0000	50.000	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	2029464			0.00- 97.90	47.90
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	3928695	50.0000	50.000	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1767166			0.00- 94.98	44.98
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	2499104	50.0000	50.000	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1576915			13.10- 113.10	63.10
25.158	25.158 (1.177)	111	1114912			0.00- 94.61	44.61
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	2540472	50.0000	50.000	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1621775			13.84- 113.84	63.84
25.296	25.296 (1.184)	111	1103797			0.00- 93.45	43.45

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	4003020	50.0000	50.000	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	750193			0.00- 68.74	18.74
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	2238422	50.0000	50.000	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1409085			12.95- 112.95	62.95
25.932	25.932 (1.213)	111	1033356			0.00- 96.16	46.16
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	861248	50.0000	50.000	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	822542			45.51- 145.51	95.51
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	684005	50.0000	50.000	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	429996			12.86- 112.86	62.86
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1719722	50.0000	50.000	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	219143			0.00- 62.74	12.74
29 Isopentane					CAS #: 78-78-4		
8.347	8.347 (0.580)	43	1388494	50.0000	50.000	80.00- 120.00	100.00
8.347	8.347 (0.580)	57	989189			21.24- 121.24	71.24
19 Butane					CAS #: 106-97-8		
6.743	6.743 (0.468)	58	203551	50.0000	50.000	80.00- 120.00	100.00
6.743	6.743 (0.468)	43	1655915			763.51- 863.51	813.51
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.175)	83	1885063	50.0000	50.000	80.00- 120.00	100.00
16.918	16.918 (1.175)	98	823389			0.00- 93.68	43.68
16.918	16.918 (1.175)	55	1521084			30.69- 130.69	80.69

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7052409.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	307119	0.00
97 1,4-Difluorobenze	1303937	782362	1825512	1303937	0.00
126 Chlorobenzene-d5	1085808	651485	1520131	1085808	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

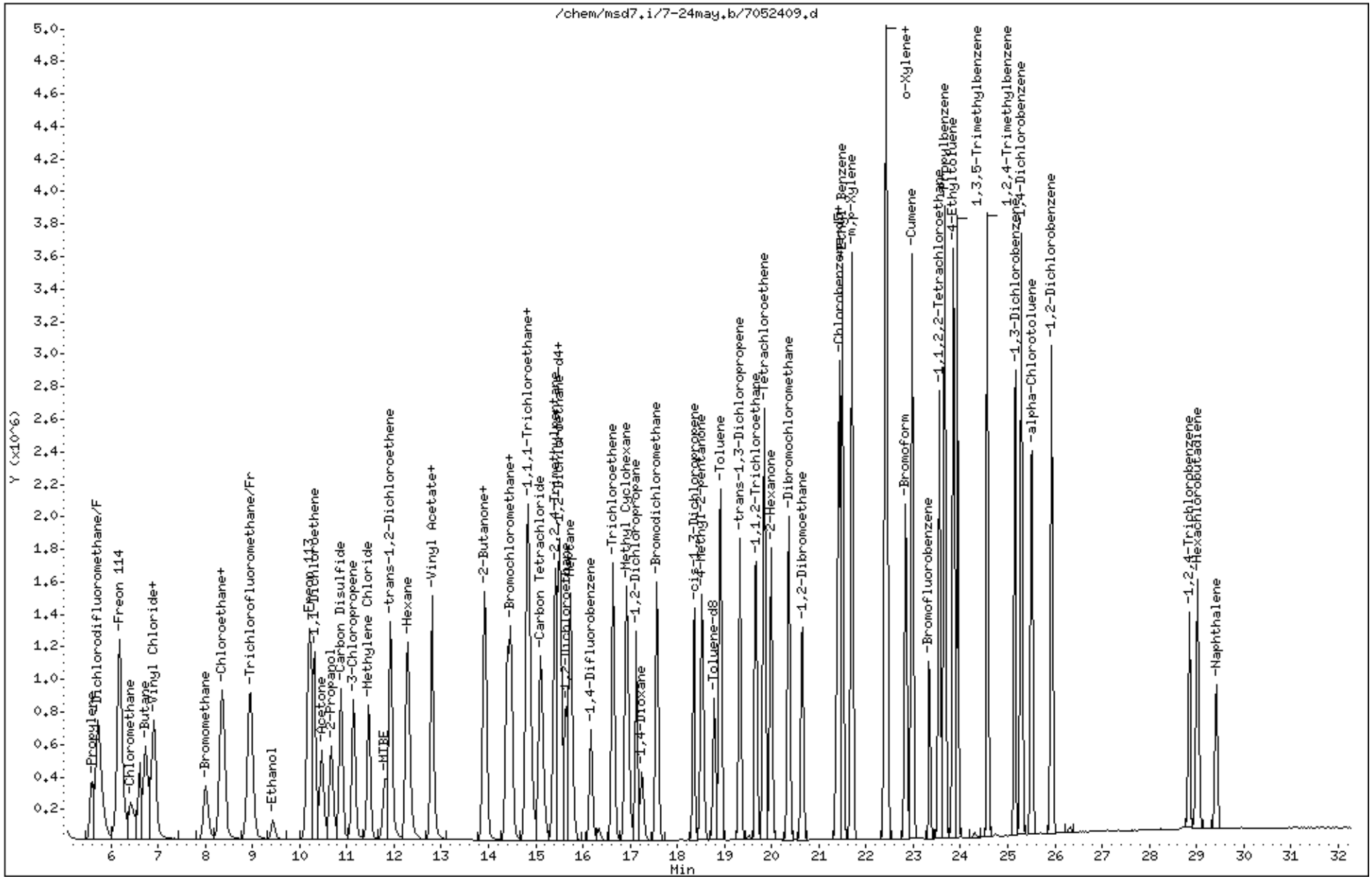
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.i/7-24may.b/7052409.d
Date : 24-MAY-2007 21:34
Client ID: Level #5
Sample Info: 50mL #1487-286

Instrument: msd7.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052410.d
Lab Smp Id: ICAL Client Smp ID: Level #6
Inj Date : 24-MAY-2007 22:13
Operator : srs Inst ID: msd7.i
Smp Info : 100mL #1487-286
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 25-May-2007 07:46 ctaylor Quant Type: ISTD
Cal Date : 24-MAY-2007 22:13 Cal File: 7052410.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		
14.403	14.402 (1.000)	130	305253	25.0000		80.00- 120.00	100.00
14.403	14.402 (1.000)	128	234486			27.33- 127.33	76.82
14.403	14.402 (1.000)	49	864466			167.34- 267.34	283.20
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1315591	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	218271			0.00- 66.89	16.59
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1081953	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	685380			12.65- 112.65	63.35
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.481 (1.077)	65	526156	25.0000	26.107	80.00- 120.00	100.00
15.508	15.481 (1.077)	67	314755			2.55- 102.55	59.82
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1341824	25.0000	25.224	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	154575			0.00- 61.67	11.52

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	900274			16.85- 116.85	67.09
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	593883	25.0000	25.516	80.00- 120.00	100.00
23.333	23.361 (1.092)	95	856312			92.61- 192.61	144.19
23.361	23.361 (1.093)	176	579053			46.73- 146.73	97.50
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	1542013	100.000	95.909	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	1041478			16.44- 116.44	67.54
5.610	5.610 (0.390)	39	1248190			28.16- 128.16	80.95
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.720 (0.399)	85	6407844	100.000	102.29	80.00- 120.00	100.00
5.748	5.720 (0.399)	87	2120472			0.00- 83.79	33.09
16 Freon 114					CAS #: 76-14-2		
6.218	6.190 (0.432)	135	3903700	100.000	103.66	80.00- 120.00	100.00
6.218	6.190 (0.432)	137	1235741			0.00- 81.43	31.66
18 Chloromethane					CAS #: 74-87-3		
6.439	6.412 (0.447)	50	1711701	100.000	97.883	80.00- 120.00	100.00
6.439	6.412 (0.447)	52	561410			0.00- 85.14	32.80
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.854 (0.478)	62	2312889	100.000	102.98	80.00- 120.00	100.00
6.882	6.854 (0.478)	64	744658			0.00- 85.30	32.20
22 1,3-Butadiene					CAS #: 106-99-0		
6.965	6.909 (0.484)	54	1694096	100.000	103.77	80.00- 120.00	100.00
6.937	6.909 (0.482)	39	1797474			62.71- 162.71	106.10
25 Bromomethane					CAS #: 74-83-9		
8.043	8.015 (0.558)	94	1887816	100.000	109.03	80.00- 120.00	100.00
8.043	8.015 (0.558)	96	1773202			44.10- 144.10	93.93
27 Chloroethane					CAS #: 75-00-3		
8.347	8.319 (0.580)	64	1176682	100.000	106.28	80.00- 120.00	100.00
8.347	8.319 (0.580)	49	331381			0.00- 76.89	28.16
8.347	8.319 (0.580)	66	367345			0.00- 82.89	31.22
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.983	8.955 (0.624)	101	6355979	100.000	107.28	80.00- 120.00	100.00
8.983	8.955 (0.624)	103	4071277			14.79- 114.79	64.05

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	9.425 (0.656)	45	783988	100.000	100.64	80.00- 120.00	100.00
9.453	9.425 (0.656)	43	169969			0.00- 74.71	21.68
9.453	9.425 (0.656)	46	288138			0.00- 90.99	36.75
42 Freon 113					CAS #: 76-13-1		
10.227	10.200 (0.710)	151	3191613	100.000	107.23	80.00- 120.00	100.00
10.227	10.200 (0.710)	153	2039837			13.50- 113.50	63.91
10.227	10.200 (0.710)	101	4182700			81.08- 181.08	131.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.310 (0.718)	61	3818719	100.000	105.09	80.00- 120.00	100.00
10.338	10.310 (0.718)	96	2134544			4.92- 104.92	55.90
10.338	10.310 (0.718)	98	1366080			0.00- 84.94	35.77
45 Acetone					CAS #: 67-64-1		
10.504	10.476 (0.729)	58	1026904	100.000	100.02	80.00- 120.00	100.00
10.504	10.476 (0.729)	43	3535770			283.72- 383.72	344.31
46 2-Propanol					CAS #: 67-63-0		
10.697	10.670 (0.743)	45	4130342	100.000	104.93	80.00- 120.00	100.00
10.697	10.670 (0.743)	43	972350			0.00- 75.96	23.54
10.697	10.670 (0.743)	59	161425			0.00- 54.18	3.91
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.863 (0.756)	76	6646075	100.000	110.76	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.140 (0.775)	76	1181509	100.000	105.02	80.00- 120.00	100.00
11.168	11.140 (0.775)	41	2991205			206.85- 306.85	253.17
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.444 (0.796)	49	2518199	100.000	107.35	80.00- 120.00	100.00
11.472	11.444 (0.796)	84	1878897			25.48- 125.48	74.61
11.472	11.444 (0.796)	51	761910			0.00- 83.13	30.26
60 MTBE					CAS #: 1634-04-4		
11.831	11.803 (0.821)	73	3087744	100.000	105.30	80.00- 120.00	100.00
11.831	11.803 (0.821)	57	670332			0.00- 71.58	21.71
11.831	11.803 (0.821)	41	629821			0.00- 76.24	20.40
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.914 (0.829)	96	2439920	100.000	109.64	80.00- 120.00	100.00
11.942	11.914 (0.829)	61	3740696			104.88- 204.88	153.31
11.942	11.914 (0.829)	98	1551054			16.45- 116.45	63.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	3775437	100.000	106.11	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	2320293			6.95- 106.95	61.46
12.301	12.301 (0.854)	86	590945			0.00- 65.49	15.65
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	549463	100.000	98.741	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	6321439			1062.71-1162.71	1150.48
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	4387288	100.000	107.99	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	1414444			0.00- 82.29	32.24
75 2-Butanone					CAS #: 78-93-3		
13.905	13.877 (0.965)	72	1062657	100.000	111.99	80.00- 120.00	100.00
13.905	13.877 (0.965)	43	4427063			366.95- 466.95	416.60
13.905	13.877 (0.965)	57	345894			0.00- 89.31	32.55
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	3160477	100.000	109.74	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	2224766			20.04- 120.04	70.39
13.932	13.932 (0.967)	98	1426889			0.00- 95.13	45.15
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.402 (1.000)	42	2419853	100.000	107.83	80.00- 120.00	100.00
14.403	14.402 (1.000)	71	999203			0.00- 91.03	41.29
14.403	14.402 (1.000)	72	1047735			0.00- 92.26	43.30
82 Chloroform					CAS #: 67-66-3		
14.485	14.458 (1.006)	83	4511260	100.000	109.96	80.00- 120.00	100.00
14.485	14.458 (1.006)	85	2813169			12.77- 112.77	62.36
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	4519734	100.000	109.76	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	2909121			13.77- 113.77	64.36
85 Cyclohexane					CAS #: 110-82-7		
14.873	14.845 (1.033)	84	2794821	100.000	104.68	80.00- 120.00	100.00
14.873	14.845 (1.033)	56	3243905			65.92- 165.92	116.07
14.845	14.845 (1.031)	41	1895864			17.38- 117.38	67.83
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.121	15.094 (1.050)	119	4211023	100.000	110.50	80.00- 120.00	100.00
15.121	15.094 (1.050)	117	4380804			53.39- 153.39	104.03
91 Benzene					CAS #: 71-43-2		
15.536	15.508 (0.961)	78	6171343	100.000	110.69	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	15.508 (0.961)	77	1407211			0.00- 72.72	22.80
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.425 (1.071)	57	9132778	100.000	109.28	80.00- 120.00	100.00
15.426	15.425 (1.071)	56	3013259			0.00- 84.27	32.99
15.426	15.425 (1.071)	41	2597104			0.00- 79.95	28.44
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	3099459	100.000	110.41	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	1008073			0.00- 83.63	32.52
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	1980822	100.000	107.64	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	3516522			137.75- 237.75	177.53
15.730	15.730 (0.973)	57	1921424			45.48- 145.48	97.00
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	2605190	100.000	106.35	80.00- 120.00	100.00
16.670	16.642 (1.031)	130	2441958			44.18- 144.18	93.73
16.642	16.642 (1.029)	97	1681698			15.53- 115.53	64.55
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	2216138	100.000	109.94	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	1612123			22.53- 122.53	72.74
17.140	17.140 (1.060)	41	1449395			16.58- 116.58	65.40
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.250 (1.068)	88	1490090	100.000	105.44	80.00- 120.00	100.00
17.278	17.250 (1.068)	58	972812			15.44- 115.44	65.29
17.278	17.250 (1.068)	57	352393			0.00- 74.40	23.65
107 Bromodichloromethane					CAS #: 75-27-4		
17.582	17.554 (1.087)	83	4676637	100.000	111.04	80.00- 120.00	100.00
17.582	17.554 (1.087)	85	2883082			11.79- 111.79	61.65
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	3615606	100.000	111.03	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	1157291			0.00- 82.19	32.01
18.356	18.356 (1.135)	39	2042738			6.73- 106.73	56.50
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	1890107	100.000	110.51	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	4866593			200.34- 300.34	257.48
18.550	18.522 (1.147)	85	839333			0.00- 99.51	44.41

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	7057951	100.000	110.53	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	4357005			12.02- 112.02	61.73
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	3860119	100.000	113.39	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	1223458			0.00- 81.77	31.69
19.324	19.324 (0.904)	39	2046903			2.54- 102.54	53.03
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.683 (0.921)	97	2522205	100.000	107.72	80.00- 120.00	100.00
19.684	19.683 (0.921)	99	1578067			11.97- 111.97	62.57
19.684	19.683 (0.921)	83	2148577			34.75- 134.75	85.19
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	3046894	100.000	107.58	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	2356879			27.04- 127.04	77.35
19.849	19.849 (0.929)	131	2241436			23.78- 123.78	73.56
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	2653097	100.000	106.33	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	4964185			138.91- 238.91	187.11
19.988	19.988 (0.935)	100	516501			0.00- 68.82	19.47
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	4318338	100.000	111.56	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	3334870			33.20- 133.20	77.23
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	3965648	100.000	111.18	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	3766799			44.34- 144.34	94.99
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	5795082	100.000	110.61	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	1868704			0.00- 81.90	32.25
21.425	21.425 (1.003)	77	4411524			25.41- 125.41	76.13
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	2983021	100.000	107.66	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	9517371			263.64- 363.64	319.05
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	3826008	100.000	109.84	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	7756375			155.97- 255.97	202.73
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	3319581	100.000	104.75	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.393 (1.048)	91	7111991			163.30- 263.30	214.24
131 Styrene					CAS #: 100-42-5		
22.449	22.448 (1.050)	104	5698427	100.000	109.10	80.00- 120.00	100.00
22.421	22.448 (1.049)	78	3111782			4.16- 104.16	54.61
133 Bromoform					CAS #: 75-25-2		
22.836	22.835 (1.069)	173	3652175	100.000	110.24	80.00- 120.00	100.00
22.836	22.835 (1.069)	171	1878289			1.69- 101.69	51.43
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	8878739	100.000	103.47	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	2243168			0.00- 75.30	25.26
22.974	22.974 (1.075)	51	901291			0.00- 61.22	10.15
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	5009503	100.000	105.31	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	3117922			12.11- 112.11	62.24
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	10954446	100.000	104.30	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	2394975			0.00- 71.84	21.86
23.665	23.665 (1.107)	105	410141			0.00- 53.86	3.74
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	9420681	100.000	105.12	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	2752407			0.00- 79.21	29.22
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.941 (1.120)	105	7898943	100.000	103.76	80.00- 120.00	100.00
23.942	23.941 (1.120)	120	3731446			0.00- 97.89	47.24
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.577 (1.150)	105	7220358	100.000	103.74	80.00- 120.00	100.00
24.578	24.577 (1.150)	120	3252194			0.00- 95.99	45.04
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	4677057	100.000	104.22	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	2959271			15.22- 115.22	63.27
25.158	25.158 (1.177)	111	2112049			0.00- 95.49	45.16
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	4736608	100.000	102.43	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	3036608			12.87- 112.87	64.11
25.296	25.296 (1.184)	111	2078687			0.00- 94.15	43.89

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	25.517 (1.194)	91	7736886	100.000	106.14	80.00- 120.00	100.00
25.518	25.517 (1.194)	126	1463783			0.00- 68.04	18.92
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	4246941	100.000	104.23	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	2716482			12.95- 112.95	63.96
25.932	25.932 (1.213)	111	1971646			0.00- 96.16	46.43
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.835 (1.349)	180	1959270	100.000	109.30	80.00- 120.00	100.00
28.836	28.835 (1.349)	182	1861767			45.51- 145.51	95.02
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	1412689	100.000	100.47	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	905056			15.56- 115.56	64.07
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	4009441	100.000	112.19	80.00- 120.00	100.00(A)
29.416	29.416 (1.377)	127	512274			0.00- 63.92	12.78
29 Isopentane					CAS #: 78-78-4		
8.375	8.347 (0.581)	43	2673477	100.000	96.198	80.00- 120.00	100.00
8.375	8.347 (0.581)	57	1908840			19.65- 119.65	71.40
19 Butane					CAS #: 106-97-8		
6.771	6.743 (0.470)	58	404163	100.000	91.491	80.00- 120.00	100.00
6.771	6.743 (0.470)	43	3227153			703.35- 803.35	798.48
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.918 (1.175)	83	3641016	100.000	108.57	80.00- 120.00	100.00
16.919	16.918 (1.175)	98	1598531			0.00- 95.72	43.90
16.919	16.918 (1.175)	55	2908486			29.18- 129.18	79.88

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: 7052410.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	305253	-0.61
97 1,4-Difluorobenze	1303937	782362	1825512	1315591	0.89
126 Chlorobenzene-d5	1085808	651485	1520131	1081953	-0.36

		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

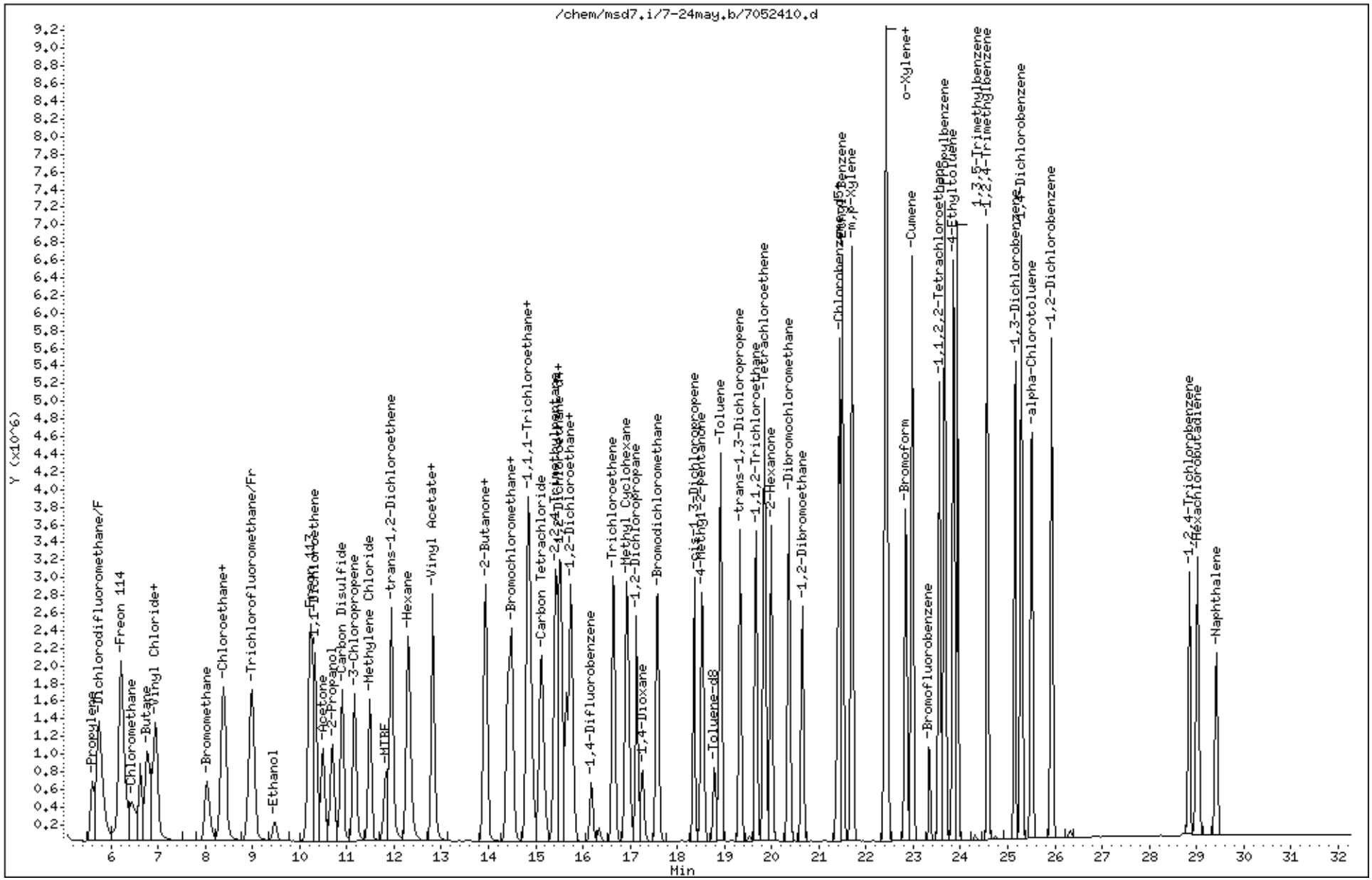
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.i/7-24may.b/7052410.d
Date : 24-MAY-2007 22:13
Client ID: Level #6
Sample Info: 100mL #1487-286

Instrument: msd7.i

Operator: srs

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-30may.b/7053005.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 30-MAY-2007 11:46
Operator : ct Inst ID: msd7.i
Smp Info : 200mL #1443-96
Misc Info : 200/1200ppbv (200/1200ppbv)
Comment :
Method : /chem/msd7.i/7-30may.b/t14q524b.m
Meth Date : 30-May-2007 12:25 ctaylor Quant Type: ISTD
Cal Date : 30-MAY-2007 11:46 Cal File: 7053005.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp21b.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		
14.416	14.416 (1.000)	130	335108	25.0000		50.00- 150.00	100.00
14.416	14.416 (1.000)	128	260648			27.04- 127.04	77.78
14.416	14.416 (1.000)	49	464082			116.38- 216.38	138.49
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.185	16.185 (1.000)	114	1387144	25.0000		50.00- 150.00	100.00
16.185	16.185 (1.000)	88	231977			0.00- 66.62	16.72
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.384	21.384 (1.000)	117	1101030	25.0000		50.00- 150.00	100.00
21.384	21.384 (1.000)	82	671508			11.83- 111.83	60.99
9 Freon 13					CAS #: 75-72-9		
5.194	5.194 (0.360)	85	1804458	200.000	150.08	50.00- 150.00	100.00
5.194	5.194 (0.360)	87	589244			0.00- 82.85	32.65
5.279	5.279 (0.366)	69	16353376			741.37- 841.37	906.28
5 Freon 143a					CAS #: 420-46-2		
5.307	5.307 (0.368)	65	2705489	200.000	190.79	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
5 Freon 143a (continued)							
5.279	5.279 (0.366)	69	16432086			630.06- 730.06	607.36
5.307	5.307 (0.368)	64	690941			0.00- 75.77	25.54
6 Freon142b					CAS #: 75-68-3		
6.349	6.349 (0.440)	65	8519984	200.000	195.04	50.00- 150.00	100.00
6.349	6.349 (0.440)	45	1958647			0.00- 73.38	22.99
13 Freon 134a					CAS #: 811-97-2		
5.448	5.448 (0.378)	83	4310039	200.000	193.66	50.00- 150.00	100.00
5.842	5.842 (0.405)	69	444301			0.00- 84.99	10.31
5.448	5.448 (0.378)	63	552945			0.00- 60.90	12.83
15 Freon 152a					CAS #: 75-37-6		
5.673	5.673 (0.394)	65	2474462	200.000	194.41	50.00- 150.00	100.00
5.673	5.673 (0.394)	51	3488302			101.05- 201.05	140.97
5.673	5.673 (0.394)	47	1254504			0.42- 100.42	50.70
17 Freon 22					CAS #: 75-45-6		
5.814	5.814 (0.403)	51	7873603	200.000	200.74	50.00- 150.00	100.00
5.842	5.842 (0.405)	67	1142829			0.00- 65.60	14.51
5.814	5.814 (0.403)	85	110632			0.00- 51.60	1.41
26 Methanol					CAS #: 67-56-1		
7.616	7.616 (0.528)	31	6924830	1200.00	1208.1	50.00- 150.00	100.00(A)
7.616	7.616 (0.528)	32	4727524			51.07- 151.07	68.27
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.940	8.940 (0.620)	67	7284308	200.000	196.78	50.00- 150.00	100.00
8.940	8.940 (0.620)	69	2353808			0.00- 81.72	32.31
8.940	8.940 (0.620)	35	363932			0.00- 56.04	5.00
40 Freon123a					CAS #: 354-23-4		
9.826	9.826 (0.682)	67	4713621	200.000	198.59	50.00- 150.00	100.00
9.826	9.826 (0.682)	117	3274655			21.62- 121.62	69.47
41 Freon123					CAS #: 306-83-2		
9.992	9.992 (0.693)	83	2707079	200.000	194.35	50.00- 150.00	100.00
9.992	9.992 (0.693)	133	540581			0.00- 73.77	19.97
9.992	9.992 (0.693)	85	1868912			18.03- 118.03	69.04
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.513	11.513 (0.799)	59	4735209	200.000	136.37	50.00- 150.00	100.00
11.513	11.513 (0.799)	41	896852			0.00- 70.86	18.94
11.513	11.513 (0.799)	57	498228			0.00- 59.35	10.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether					CAS #: 108-20-3		
12.729	12.729 (0.883)	45	13289562	200.000	199.24	50.00- 150.00	100.00
12.729	12.729 (0.883)	87	3624304			0.00- 77.27	27.27
12.729	12.729 (0.883)	59	1217072			0.00- 59.29	9.16
71 1-Propanol					CAS #: 71-23-8		
12.840	12.840 (0.891)	42	971070	200.000	208.35	50.00- 150.00	100.00(A)
12.840	12.840 (0.891)	59	1447877			84.84- 184.84	149.10
12.729	12.729 (0.883)	41	2863608			269.51- 369.51	294.89
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.393	13.393 (0.929)	59	11469379	200.000	205.35	50.00- 150.00	100.00(A)
13.393	13.393 (0.929)	87	4673136			0.00- 90.44	40.74
13.393	13.393 (0.929)	41	1930875			0.00- 69.08	16.84
77 Ethyl Acetate					CAS #: 141-78-6		
13.891	13.891 (0.964)	45	1359959	200.000	205.31	50.00- 150.00	100.00(A)
13.891	13.891 (0.964)	61	1388491			48.57- 148.57	102.10
13.891	13.891 (0.964)	43	9488758			637.62- 737.62	697.72
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.550	15.550 (1.079)	73	9528041	200.000	195.55	50.00- 150.00	100.00
15.577	15.577 (1.081)	87	2336288			0.00- 73.60	24.52
15.550	15.550 (1.079)	55	2209206			0.00- 73.64	23.19
96 2-Heptanone					CAS #: 110-43-0		
22.517	22.517 (1.562)	58	6686435	200.000	220.93	50.00- 150.00	100.00(A)
22.517	22.517 (1.562)	43	10294300			103.81- 203.81	153.96
98 1-Butanol					CAS #: 71-36-3		
16.351	16.351 (1.010)	56	3240052	200.000	240.80	50.00- 150.00	100.00(A)
16.351	16.351 (1.010)	41	2269371			27.04- 127.04	70.04
16.351	16.351 (1.010)	43	1737018			5.46- 105.46	53.61
99 Isobutanol					CAS #: 78-83-1		
15.162	15.162 (1.052)	59	105836	200.000	202.57	50.00- 150.00	100.00
15.162	15.162 (1.052)	41	2495533			1787.49-1887.49	2357.92
15.162	15.162 (1.052)	43	3285727			2943.02-3043.02	3104.55
119 Butyl Acetate					CAS #: 123-86-4		
20.084	20.084 (1.241)	56	4390014	200.000	209.33	50.00- 150.00	100.00(A)
20.084	20.084 (1.241)	73	1475682			0.00- 84.99	33.61
20.084	20.084 (1.241)	43	10338853			187.66- 287.66	235.51
135 Cyclohexanone					CAS #: 108-94-1		
23.291	23.291 (1.089)	55	4896030	200.000	207.90	50.00- 150.00	100.00(A)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
135 Cyclohexanone (continued)							
23.291	23.291 (1.089)	98	2329732			0.00- 96.59	47.58
23.291	23.291 (1.089)	42	3481542			19.27- 119.27	71.11
146 Diisobutyl Ketone					CAS #: 108-83-8		
24.093	24.093 (1.127)	57	10086046	200.000	181.84	50.00- 150.00	100.00
24.093	24.093 (1.127)	85	8238809			31.57- 131.57	81.69
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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7053005.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd7.i/7-30may.b/t14q524b.m
Misc Info: 200/1200ppbv (200/1200ppbv)

Calibration Date: 30-MAY-2007
Calibration Time: 11:07
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	337478	202487	472469	335108	-0.70
97 1,4-Difluorobenze	1376875	826125	1927625	1387144	0.75
126 Chlorobenzene-d5	1101780	661068	1542492	1101030	-0.07

		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	21.38	21.05	21.71	21.38	0.00

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

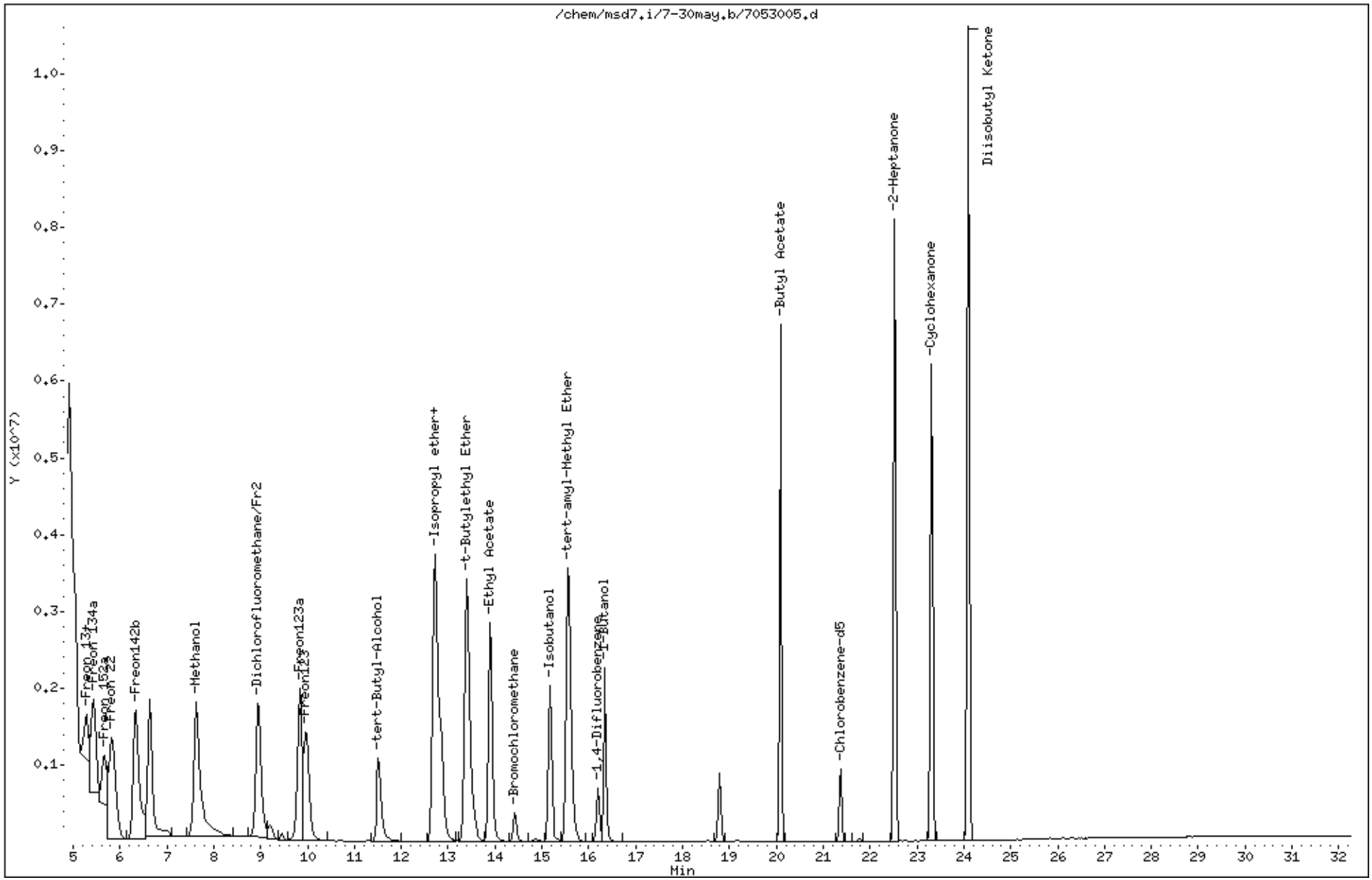
Data File: /chem/msd7.i/7-30may.b/7053005.d
Date : 30-MAY-2007 11:46
Client ID: Level 7
Sample Info: 200mL #1443-96

Column phase: RTx-624

Instrument: msd7.i

Operator: ct
Column diameter: 0.53

0172



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-24may.b/7052411.d
Lab Smp Id: ICAL Client Smp ID: Level #7
Inj Date : 24-MAY-2007 22:54
Operator : srs Inst ID: msd7.i
Smp Info : 200mL #1487-286
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd7.i/7-24may.b/t14q524a.m
Meth Date : 25-May-2007 07:31 ctaylor Quant Type: ISTD
Cal Date : 24-MAY-2007 22:54 Cal File: 7052411.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		
14.403	14.403 (1.000)	130	303500	25.0000		50.00- 150.00	100.00
14.403	14.403 (1.000)	128	231616			27.56- 127.56	76.31
14.458	14.458 (1.000)	49	1248012			142.89- 242.89	411.21
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
16.172	16.172 (1.000)	114	1328869	25.0000		50.00- 150.00	100.00
16.172	16.172 (1.000)	88	222173			0.00- 66.84	16.72
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.370	21.370 (1.000)	117	1078315	25.0000		50.00- 150.00	100.00
21.370	21.370 (1.000)	82	676598			12.65- 112.65	62.75
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.508	15.508 (1.077)	65	558953	25.0000	27.440	50.00- 150.00	100.00
15.508	15.508 (1.077)	67	391459			2.55- 102.55	70.03
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.771	18.771 (1.161)	98	1347465	25.0000	25.066	50.00- 150.00	100.00
18.771	18.771 (1.161)	70	151451			0.00- 61.67	11.24

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	901707			16.85- 116.85	66.92
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	597054	25.0000	25.630	50.00- 150.00	100.00
23.333	23.333 (1.092)	95	861739			93.23- 193.23	144.33
23.361	23.361 (1.093)	176	573833			46.76- 146.76	96.11
11 Propylene					CAS #: 115-07-1		
5.638	5.638 (0.391)	41	3126600	200.000	196.46	50.00- 150.00	100.00
5.638	5.638 (0.391)	42	2098597			16.44- 116.44	67.12
5.638	5.638 (0.391)	39	2475931			28.16- 128.16	79.19
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.399)	85	13066272	200.000	208.09	50.00- 150.00	100.00(A)
5.748	5.748 (0.399)	87	4224155			0.00- 83.79	32.33
16 Freon 114					CAS #: 76-14-2		
6.246	6.246 (0.434)	135	7554622	200.000	201.47	50.00- 150.00	100.00(A)
6.246	6.246 (0.434)	137	2399775			0.00- 81.36	31.77
18 Chloromethane					CAS #: 74-87-3		
6.495	6.495 (0.451)	50	3418403	200.000	197.28	50.00- 150.00	100.00
6.495	6.495 (0.451)	52	1128250			0.00- 85.14	33.01
20 Vinyl Chloride					CAS #: 75-01-4		
6.882	6.882 (0.478)	62	4591780	200.000	204.68	50.00- 150.00	100.00(A)
6.882	6.882 (0.478)	64	1477342			0.00- 85.30	32.17
22 1,3-Butadiene					CAS #: 106-99-0		
6.992	6.992 (0.486)	54	3467182	200.000	211.22	50.00- 150.00	100.00(A)
6.965	6.965 (0.484)	39	3734908			62.71- 162.71	107.72
25 Bromomethane					CAS #: 74-83-9		
8.043	8.043 (0.558)	94	3843370	200.000	219.01	50.00- 150.00	100.00(A)
8.043	8.043 (0.558)	96	3593935			37.86- 137.86	93.51
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.580)	64	2408989	200.000	215.45	50.00- 150.00	100.00(A)
8.347	8.347 (0.580)	49	681099			0.00- 76.89	28.27
8.347	8.347 (0.580)	66	758735			0.00- 82.89	31.50
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.983	8.983 (0.624)	101	12564080	200.000	210.96	50.00- 150.00	100.00(A)
8.983	8.983 (0.624)	103	8099591			16.66- 116.66	64.47

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 (0.658)	45	1521659	200.000	197.16	50.00- 150.00	100.00
9.481	9.481 (0.658)	43	329186			0.00- 74.71	21.63
9.481	9.481 (0.658)	46	572467			0.00- 90.99	37.62
42 Freon 113					CAS #: 76-13-1		
10.227	10.227 (0.710)	151	6213596	200.000	208.24	50.00- 150.00	100.00(A)
10.227	10.227 (0.710)	153	3967950			12.96- 112.96	63.86
10.227	10.227 (0.710)	101	8161789			79.75- 179.75	131.35
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.718)	61	7534523	200.000	207.07	50.00- 150.00	100.00(A)
10.338	10.338 (0.718)	96	4193138			6.27- 106.27	55.65
10.338	10.338 (0.718)	98	2672980			0.00- 87.43	35.48
45 Acetone					CAS #: 67-64-1		
10.504	10.504 (0.729)	58	2060620	200.000	201.48	50.00- 150.00	100.00(A)
10.504	10.504 (0.729)	43	7124300			283.72- 383.72	345.74
46 2-Propanol					CAS #: 67-63-0		
10.697	10.697 (0.743)	45	8285804	200.000	209.27	50.00- 150.00	100.00(A)
10.670	10.670 (0.741)	43	1905011			0.00- 75.96	22.99
10.697	10.697 (0.743)	59	326805			0.00- 54.18	3.94
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.756)	76	13294937	200.000	218.69	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
11.168	11.168 (0.775)	76	2366065	200.000	209.12	50.00- 150.00	100.00(A)
11.168	11.168 (0.775)	41	5912281			206.85- 306.85	249.88
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	5086598	200.000	214.85	50.00- 150.00	100.00(A)
11.472	11.472 (0.796)	84	3798608			28.44- 128.44	74.68
11.472	11.472 (0.796)	51	1533110			0.00- 83.13	30.14
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	5634285	200.000	194.34	50.00- 150.00	100.00
11.831	11.831 (0.821)	57	1215962			0.00- 72.82	21.58
11.831	11.831 (0.821)	41	1160055			0.00- 76.24	20.59
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	4787930	200.000	213.48	50.00- 150.00	100.00(A)
11.942	11.942 (0.829)	61	7351940			104.61- 204.61	153.55
11.942	11.942 (0.829)	98	3075756			16.45- 116.45	64.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	7430740	200.000	208.30	50.00- 150.00	100.00(A)
12.301	12.301 (0.854)	43	4602437			6.95- 106.95	61.94
12.301	12.301 (0.854)	86	1152998			0.00- 65.49	15.52
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	1076759	200.000	195.67	50.00- 150.00	100.00
12.799	12.799 (0.889)	43	12520561			1062.71-1162.71	1162.80
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	8547277	200.000	209.57	50.00- 150.00	100.00(A)
12.826	12.826 (0.891)	65	2744521			0.00- 84.51	32.11
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	2143707	200.000	222.19	50.00- 150.00	100.00(A)
13.905	13.905 (0.965)	43	8750953			355.66- 455.66	408.22
13.905	13.905 (0.965)	57	691848			0.00- 89.31	32.27
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	6142908	200.000	211.96	50.00- 150.00	100.00(A)
13.932	13.932 (0.967)	96	4393223			21.21- 121.21	71.52
13.932	13.932 (0.967)	98	2804123			0.00- 96.79	45.65
80 Tetrahydrofuran					CAS #: 109-99-9		
14.403	14.403 (1.000)	42	4819290	200.000	213.14	50.00- 150.00	100.00(A)
14.403	14.403 (1.000)	71	1994025			0.00- 92.55	41.38
14.403	14.403 (1.000)	72	2109732			0.00- 92.26	43.78
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	8853596	200.000	214.43	50.00- 150.00	100.00(A)
14.485	14.485 (1.006)	85	5539825			14.30- 114.30	62.57
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	8786137	200.000	212.02	50.00- 150.00	100.00(A)
14.845	14.845 (1.031)	99	5684544			12.56- 112.56	64.70
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	5462147	200.000	204.78	50.00- 150.00	100.00(A)
14.845	14.845 (1.031)	56	6303922			66.55- 166.55	115.41
14.845	14.845 (1.031)	41	3652425			23.78- 123.78	66.87
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	8269398	200.000	214.98	50.00- 150.00	100.00(A)
15.094	15.094 (1.048)	117	8582365			52.38- 152.38	103.78
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	12076639	200.000	212.26	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 (0.961)	77	2765787			0.00- 72.72	22.90
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.426	15.426 (1.071)	57	17864329	200.000	212.34	50.00- 150.00	100.00(A)
15.426	15.426 (1.071)	56	5926172			0.00- 84.27	33.17
15.426	15.426 (1.071)	41	5073141			0.00- 79.95	28.40
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	6042760	200.000	210.81	50.00- 150.00	100.00(A)
15.647	15.647 (0.968)	64	1973753			0.00- 83.63	32.66
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	3878065	200.000	207.14	50.00- 150.00	100.00(A)
15.730	15.730 (0.973)	43	6850769			137.75- 237.75	176.65
15.730	15.730 (0.973)	57	3739186			45.48- 145.48	96.42
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	5092214	200.000	204.81	50.00- 150.00	100.00(A)
16.642	16.642 (1.029)	130	4688426			39.49- 139.49	92.07
16.642	16.642 (1.029)	97	3268813			14.98- 114.98	64.19
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	4338182	200.000	210.76	50.00- 150.00	100.00(A)
17.140	17.140 (1.060)	62	3136847			22.28- 122.28	72.31
17.140	17.140 (1.060)	41	2834256			25.32- 125.32	65.33
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	3000684	200.000	208.08	50.00- 150.00	100.00(A)
17.250	17.250 (1.067)	58	1966593			17.89- 117.89	65.54
17.250	17.250 (1.067)	57	714027			0.00- 74.40	23.80
107 Bromodichloromethane					CAS #: 75-27-4		
17.555	17.555 (1.085)	83	9102141	200.000	211.50	50.00- 150.00	100.00(A)
17.555	17.555 (1.085)	85	5619225			13.12- 113.12	61.74
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	7124588	200.000	213.64	50.00- 150.00	100.00(A)
18.356	18.356 (1.135)	77	2271303			0.00- 85.06	31.88
18.356	18.356 (1.135)	39	4055251			6.25- 106.25	56.92
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	3791032	200.000	215.94	50.00- 150.00	100.00(A)
18.522	18.522 (1.145)	43	9574959			200.34- 300.34	252.57
18.522	18.522 (1.145)	85	1655451			0.00- 99.51	43.67

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	13643921	200.000	209.52	50.00- 150.00	100.00(A)
18.909	18.909 (1.169)	92	8553905			13.05- 113.05	62.69
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	7605486	200.000	219.74	50.00- 150.00	100.00(A)
19.324	19.324 (0.904)	77	2441611			0.00- 86.81	32.10
19.324	19.324 (0.904)	39	4032702			8.92- 108.92	53.02
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.684	19.684 (0.921)	97	4897812	200.000	208.17	50.00- 150.00	100.00(A)
19.684	19.684 (0.921)	99	3078175			11.13- 111.13	62.85
19.684	19.684 (0.921)	83	4168752			34.40- 134.40	85.11
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	5727622	200.000	202.42	50.00- 150.00	100.00(A)
19.849	19.849 (0.929)	129	4446448			27.34- 127.34	77.63
19.849	19.849 (0.929)	131	4242427			24.37- 124.37	74.07
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	5283662	200.000	209.86	50.00- 150.00	100.00(A)
19.988	19.988 (0.935)	43	9767588			136.13- 236.13	184.86
19.988	19.988 (0.935)	100	1009579			0.00- 68.82	19.11
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	8128207	200.000	208.83	50.00- 150.00	100.00(A)
20.375	20.375 (0.953)	127	6294717			33.20- 133.20	77.44
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	7646760	200.000	212.44	50.00- 150.00	100.00(A)
20.651	20.651 (0.966)	109	7238563			45.03- 145.03	94.66
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	10883001	200.000	206.98	50.00- 150.00	100.00(A)
21.425	21.425 (1.003)	114	3532248			0.00- 84.02	32.46
21.425	21.425 (1.003)	77	8496069			43.54- 143.54	78.07
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	5651813	200.000	203.87	50.00- 150.00	100.00(A)
21.508	21.508 (1.006)	91	18034348			263.64- 363.64	319.09
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	7217851	200.000	206.55	50.00- 150.00	100.00(A)
21.702	21.702 (1.016)	91	14665271			155.97- 255.97	203.18
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	6138829	200.000	195.29	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.393	22.393 (1.048)	91	13085009			164.54- 264.54	213.15
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	10650239	200.000	203.93	50.00- 150.00	100.00(A)
22.421	22.421 (1.049)	78	5862275			8.17- 108.17	55.04
133 Bromoform					CAS #: 75-25-2		
22.836	22.836 (1.069)	173	6713452	200.000	202.77	50.00- 150.00	100.00(A)
22.836	22.836 (1.069)	171	3478007			2.00- 102.00	51.81
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	16559191	200.000	194.51	50.00- 150.00	100.00
22.974	22.974 (1.075)	120	4245055			0.00- 75.30	25.64
22.974	22.974 (1.075)	51	1715681			0.00- 61.22	10.36
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	9545768	200.000	201.12	50.00- 150.00	100.00(A)
23.554	23.554 (1.102)	85	5938492			12.52- 112.52	62.21
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	20670342	200.000	197.89	50.00- 150.00	100.00
23.665	23.665 (1.107)	120	4598004			0.00- 71.84	22.24
23.665	23.665 (1.107)	105	793116			0.00- 53.86	3.84
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	17673581	200.000	198.23	50.00- 150.00	100.00
23.831	23.831 (1.115)	120	5219145			0.00- 79.56	29.53
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.942	23.942 (1.120)	105	14585846	200.000	193.50	50.00- 150.00	100.00
23.942	23.942 (1.120)	120	6966580			0.00- 97.89	47.76
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.578	24.578 (1.150)	105	13598057	200.000	196.68	50.00- 150.00	100.00
24.578	24.578 (1.150)	120	6137705			0.00- 95.99	45.14
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	8858122	200.000	198.38	50.00- 150.00	100.00
25.158	25.158 (1.177)	148	5649719			15.22- 115.22	63.78
25.158	25.158 (1.177)	111	4074540			0.00- 95.49	46.00
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	9095352	200.000	197.80	50.00- 150.00	100.00
25.296	25.296 (1.184)	148	5775675			12.87- 112.87	63.50
25.296	25.296 (1.184)	111	3991944			0.00- 94.15	43.89

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	15233881	200.000	208.02	50.00- 150.00	100.00(A)
25.518	25.518 (1.194)	126	2900315			0.00- 68.04	19.04
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	8145162	200.000	200.48	50.00- 150.00	100.00(A)
25.932	25.932 (1.213)	148	5205024			14.17- 114.17	63.90
25.932	25.932 (1.213)	111	3866334			0.00- 98.24	47.47
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.836	28.836 (1.349)	180	4291632	200.000	230.93	50.00- 150.00	100.00(A)
28.836	28.836 (1.349)	182	4096381			42.91- 142.91	95.45
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	2915981	200.000	206.41	50.00- 150.00	100.00(A)
29.029	29.029 (1.358)	223	1839527			15.56- 115.56	63.08
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	8997438	200.000	239.98	50.00- 150.00	100.00(A)
29.416	29.416 (1.377)	127	1155372			0.00- 63.92	12.84
29 Isopentane					CAS #: 78-78-4		
8.403	8.403 (0.583)	43	5264554	200.000	192.35	50.00- 150.00	100.00
8.403	8.403 (0.583)	57	3797483			19.65- 119.65	72.13
19 Butane					CAS #: 106-97-8		
6.799	6.799 (0.472)	58	806612	200.000	186.70	50.00- 150.00	100.00
6.799	6.799 (0.472)	43	6505289			703.35- 803.35	806.50
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.919	16.919 (1.175)	83	7132926	200.000	211.47	50.00- 150.00	100.00(A)
16.919	16.919 (1.175)	98	3148878			0.00- 95.72	44.15
16.919	16.919 (1.175)	55	5738319			29.18- 129.18	80.45

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: 7052411.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd7.i/7-24may.b/t14q524a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 24-MAY-2007
Calibration Time: 21:34
Client Smp ID: Level #7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	307119	184271	429967	303500	-1.18
97 1,4-Difluorobenze	1303937	782362	1825512	1328869	1.91
126 Chlorobenzene-d5	1085808	651485	1520131	1078315	-0.69

		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

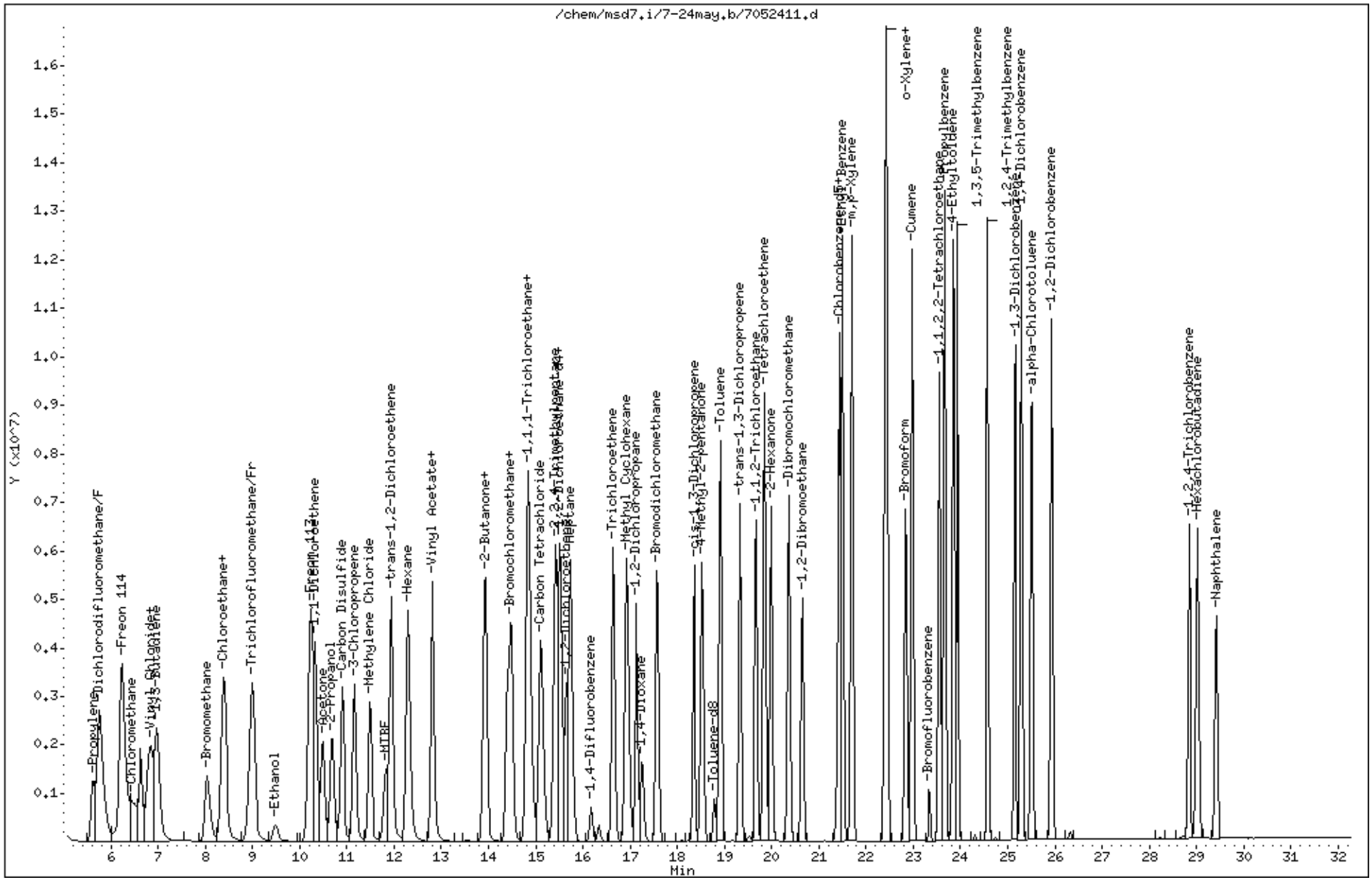
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd7.i/7-24may.b/7052411.d
Date : 24-MAY-2007 22:54
Client ID: Level #7
Sample Info: 200mL #1487-286

Column phase: RTx-624

Instrument: msd7.i

Operator: srs
Column diameter: 0.53



0182

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705584-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 09:11 AM**	

Compound	%Recovery
Freon 12	104
Freon 114	105
Vinyl Chloride	100
Bromomethane	100
Chloroethane	95
Freon 11	104
1,1-Dichloroethene	100
Freon 113	106
Methylene Chloride	100
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	106
Chloroform	108
1,1,1-Trichloroethane	109
Carbon Tetrachloride	112
Benzene	110
1,2-Dichloroethane	110
Trichloroethene	109
1,2-Dichloropropane	109
cis-1,3-Dichloropropene	110
Toluene	111
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	110
Tetrachloroethene	118
1,2-Dibromoethane (EDB)	114
Chlorobenzene	113
Ethyl Benzene	108
m,p-Xylene	109
o-Xylene	107
Styrene	109
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	105
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	109
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	106
1,3-Butadiene	98
Hexane	97
Cyclohexane	104

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0705584-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 09:11 AM**	

Compound	%Recovery
Heptane	107
Bromodichloromethane	111
Dibromochloromethane	119
Cumene	105
Propylbenzene	106
Chloromethane	106
1,2,4-Trichlorobenzene	91
Hexachlorobutadiene	91
Acetone	91
Carbon Disulfide	103
2-Propanol	93
trans-1,2-Dichloroethene	104
2-Butanone (Methyl Ethyl Ketone)	104
Tetrahydrofuran	99
1,4-Dioxane	103
4-Methyl-2-pentanone	104
2-Hexanone	99
Bromoform	120
4-Ethyltoluene	108
Ethanol	89
Methyl tert-butyl ether	127
3-Chloropropene	96
2,2,4-Trimethylpentane	106
Naphthalene	86

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 03-JUN-2007 09:11
Lab File ID: 7060302.d Init. Cal. Date(s): 24-MAY-2007 30-MAY-2007
Analysis Type: AIR Init. Cal. Times: 18:21 11:46
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd7.i/7-03jun.b/t14q524b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.67790	1.63992	0.010	2.26388	30.00000	Averaged
$ 113 Toluene-d8	1.01131	0.98579	0.010	2.52345	30.00000	Averaged
$ 137 Bromofluorobenzene	0.54008	0.56916	0.010	-5.38610	30.00000	Averaged
11 Propylene	1.31095	1.22780	0.010	6.34267	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	5.17230	5.37858	0.010	-3.98818	30.00000	Averaged
16 Freon 114	3.08873	3.24176	0.010	-4.95472	30.00000	Averaged
18 Chloromethane	1.42733	1.51580	0.010	-6.19803	30.00000	Averaged
20 Vinyl Chloride	1.84797	1.83993	0.010	0.43466	30.00000	Averaged
22 1,3-Butadiene	1.35216	1.32588	0.010	1.94367	30.00000	Averaged
25 Bromomethane	1.44555	1.45193	0.010	-0.44146	30.00000	Averaged
27 Chloroethane	0.92101	0.87264	0.010	5.25181	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	4.90589	5.09837	0.010	-3.92341	30.00000	Averaged
38 Ethanol	0.63573	0.56481	0.010	11.15579	30.00000	Averaged
42 Freon 113	2.45782	2.59678	0.010	-5.65393	30.00000	Averaged
43 1,1-Dichloroethene	2.99718	2.99438	0.010	0.09348	30.00000	Averaged
45 Acetone	0.84245	0.76449	0.010	9.25410	30.00000	Averaged
46 2-Propanol	3.26145	3.04634	0.010	6.59532	30.00000	Averaged
47 Carbon Disulfide	5.00779	5.14399	0.010	-2.71968	30.00000	Averaged
51 3-Chloropropene	0.93201	0.89471	0.010	4.00117	30.00000	Averaged
54 Methylene Chloride	1.95020	1.94346	0.010	0.34539	30.00000	Averaged
60 MTBE	2.38806	3.04063	0.010	-27.32669	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.84740	1.93017	0.010	-4.48012	30.00000	Averaged
65 Hexane	2.93850	2.85223	0.010	2.93575	30.00000	Averaged
69 Vinyl Acetate	0.45329	0.42772	0.010	5.64026	30.00000	Averaged
70 1,1-Dichloroethane	3.35954	3.42879	0.010	-2.06121	30.00000	Averaged
75 2-Butanone	0.79473	0.82577	0.010	-3.90477	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.38721	2.51976	0.010	-5.55240	30.00000	Averaged
80 Tetrahydrofuran	1.86247	1.84953	0.010	0.69477	30.00000	Averaged
82 Chloroform	3.40099	3.67386	0.010	-8.02313	30.00000	Averaged
83 1,1,1-Trichloroethane	3.41351	3.72442	0.010	-9.10826	30.00000	Averaged
85 Cyclohexane	2.19717	2.29090	0.010	-4.26589	30.00000	Averaged
87 Carbon Tetrachloride	3.16852	3.55543	0.010	-12.21095	30.00000	Averaged
89 2,2,4-Trimethylpentane	6.92988	7.34572	0.010	-6.00079	30.00000	Averaged
91 Benzene	1.07037	1.17533	0.010	-9.80605	30.00000	Averaged
93 1,2-Dichloroethane	0.53926	0.59284	0.010	-9.93531	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 03-JUN-2007 09:11
Lab File ID: 7060302.d Init. Cal. Date(s): 24-MAY-2007 30-MAY-2007
Analysis Type: AIR Init. Cal. Times: 18:21 11:46
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msd7.i/7-03jun.b/t14q524b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.35221	0.37793	0.010	-7.30436	30.00000	Averaged
101 Trichloroethene	0.46774	0.50891	0.010	-8.80204	30.00000	Averaged
104 1,2-Dichloropropane	0.38723	0.42087	0.010	-8.68873	30.00000	Averaged
106 1,4-Dioxane	0.27130	0.27879	0.010	-2.76343	30.00000	Averaged
107 Bromodichloromethane	0.80965	0.90260	0.010	-11.47996	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.62738	0.69265	0.010	-10.40310	30.00000	Averaged
111 4-Methyl-2-pentanone	0.33028	0.34208	0.010	-3.57388	30.00000	Averaged
114 Toluene	1.22508	1.36415	0.010	-11.35195	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.80245	0.90023	0.010	-12.18548	30.00000	Averaged
117 1,1,2-Trichloroethane	0.54548	0.60023	0.010	-10.03562	30.00000	Averaged
120 Tetrachloroethene	0.65601	0.77615	0.010	-18.31369	30.00000	Averaged
121 2-Hexanone	0.58371	0.58012	0.010	0.61503	30.00000	Averaged
122 Dibromochloromethane	0.90238	1.07254	0.010	-18.85733	30.00000	Averaged
123 1,2-Dibromoethane	0.83453	0.95350	0.010	-14.25618	30.00000	Averaged
127 Chlorobenzene	1.21904	1.38231	0.010	-13.39311	30.00000	Averaged
128 Ethyl Benzene	0.64274	0.69527	0.010	-8.17296	30.00000	Averaged
129 m,p-Xylene	0.81018	0.88093	0.010	-8.73250	30.00000	Averaged
130 o-Xylene	0.72879	0.77905	0.010	-6.89538	30.00000	Averaged
131 Styrene	1.21082	1.32195	0.010	-9.17759	30.00000	Averaged
133 Bromoform	0.76759	0.92398	0.010	-20.37359	30.00000	Averaged
134 Cumene	1.97370	2.07476	0.010	-5.12022	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.10040	1.16137	0.010	-5.54133	30.00000	Averaged
142 Propylbenzene	2.42168	2.55682	0.010	-5.58031	30.00000	Averaged
145 4-Ethyltoluene	2.06700	2.22348	0.010	-7.57008	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.74766	1.83743	0.010	-5.13666	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.60293	1.68759	0.010	-5.28130	30.00000	Averaged
155 1,3-Dichlorobenzene	1.03521	1.13240	0.010	-9.38861	30.00000	Averaged
156 1,4-Dichlorobenzene	1.06610	1.15926	0.010	-8.73794	30.00000	Averaged
159 alpha-Chlorotoluene	1.69783	1.72781	0.010	-1.76580	30.00000	Averaged
161 1,2-Dichlorobenzene	0.94195	0.99766	0.010	-5.91515	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.43086	0.39159	0.010	9.11472	30.00000	Averaged
166 Hexachlorobutadiene	0.32753	0.29917	0.010	8.65702	30.00000	Averaged
29 Isopentane	2.25453	2.04053	0.010	9.49183	30.00000	Averaged
19 Butane	0.35587	0.32516	0.010	8.63177	30.00000	Averaged
102 Methyl Cyclohexane	2.77838	2.93050	0.010	-5.47504	30.00000	Averaged
167 Naphthalene	0.86922	0.75075	0.010	13.62879	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd7.i/7-03jun.b/7060302.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 03-JUN-2007 09:11
Operator : lmr Inst ID: msd7.i
Smp Info : 50ml #1487-286
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /var/chem/msd7.i/7-03jun.b/t14q524b.m
Meth Date : 03-Jun-2007 09:32 lrandolp Quant Type: ISTD
Cal Date : 30-MAY-2007 11:46 Cal File: 7053005.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane						CAS #: 74-97-5	
14.402	14.402 (1.000)	130	324266	25.0000		80.00- 120.00	100.00
14.402	14.402 (1.000)	128	248730			26.71- 126.71	76.71
14.402	14.402 (1.000)	49	674497			158.01- 258.01	208.01
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
16.172	16.172 (1.000)	114	1381938	25.0000		80.00- 120.00	100.00
16.172	16.172 (1.000)	88	223258			0.00- 66.16	16.16
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
21.370	21.370 (1.000)	117	1133267	25.0000		80.00- 120.00	100.00
21.370	21.370 (1.000)	82	690937			11.83- 111.83	60.97
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.508	15.508 (1.077)	65	531770	25.0000	24.434	80.00- 120.00	100.00
15.508	15.508 (1.077)	67	285923			2.55- 102.55	53.77
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.771	18.771 (1.161)	98	1362306	25.0000	24.369	80.00- 120.00	100.00
18.771	18.771 (1.161)	70	153245			0.00- 61.67	11.25

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	922097			16.85- 116.85	67.69
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.361	23.361 (1.093)	174	645015	25.0000	26.346	80.00- 120.00	100.00
23.333	23.333 (1.092)	95	877625			86.06- 186.06	136.06
23.361	23.361 (1.093)	176	616200			45.53- 145.53	95.53
11 Propylene					CAS #: 115-07-1		
5.610	5.610 (0.390)	41	796270	50.0000	46.829	80.00- 120.00	100.00
5.610	5.610 (0.390)	42	519125			16.44- 116.44	65.19
5.610	5.610 (0.390)	39	623321			28.16- 128.16	78.28
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.748	5.748 (0.399)	85	3488183	50.0000	51.994	80.00- 120.00	100.00
5.748	5.748 (0.399)	87	1124657			0.00- 83.79	32.24
16 Freon 114					CAS #: 76-14-2		
6.218	6.218 (0.432)	135	2102388	50.0000	52.477	80.00- 120.00	100.00
6.218	6.218 (0.432)	137	667750			0.00- 81.76	31.76
18 Chloromethane					CAS #: 74-87-3		
6.467	6.467 (0.449)	50	983044	50.0000	53.099	80.00- 120.00	100.00
6.467	6.467 (0.449)	52	323302			0.00- 85.14	32.89
20 Vinyl Chloride					CAS #: 75-01-4		
6.854	6.854 (0.476)	62	1193256	50.0000	49.783	80.00- 120.00	100.00
6.882	6.882 (0.478)	64	382031			0.00- 85.30	32.02
22 1,3-Butadiene					CAS #: 106-99-0		
6.937	6.937 (0.482)	54	859876	50.0000	49.028	80.00- 120.00	100.00
6.937	6.937 (0.482)	39	894414			62.71- 162.71	104.02
25 Bromomethane					CAS #: 74-83-9		
8.015	8.015 (0.557)	94	941626	50.0000	50.221	80.00- 120.00	100.00
8.015	8.015 (0.557)	96	884178			43.90- 143.90	93.90
27 Chloroethane					CAS #: 75-00-3		
8.347	8.347 (0.580)	64	565933	50.0000	47.374	80.00- 120.00	100.00
8.347	8.347 (0.580)	49	163699			0.00- 76.89	28.93
8.347	8.347 (0.580)	66	176527			0.00- 82.89	31.19
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.955	8.955 (0.622)	101	3306453	50.0000	51.962	80.00- 120.00	100.00
8.955	8.955 (0.622)	103	2152716			15.11- 115.11	65.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.453	9.453 (0.656)	45	366299	50.0000	44.422	80.00- 120.00	100.00
9.453	9.453 (0.656)	43	80923			0.00- 74.71	22.09
9.453	9.453 (0.656)	46	134503			0.00- 90.99	36.72
42 Freon 113					CAS #: 76-13-1		
10.200	10.200 (0.708)	151	1684096	50.0000	52.827	80.00- 120.00	100.00
10.200	10.200 (0.708)	153	1081135			14.20- 114.20	64.20
10.200	10.200 (0.708)	101	2164513			78.53- 178.53	128.53
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.338	10.338 (0.718)	61	1941952	50.0000	49.953	80.00- 120.00	100.00
10.338	10.338 (0.718)	96	1076101			5.41- 105.41	55.41
10.338	10.338 (0.718)	98	690285			0.00- 85.55	35.55
45 Acetone					CAS #: 67-64-1		
10.476	10.476 (0.727)	58	495797	50.0000	45.373	80.00- 120.00	100.00
10.476	10.476 (0.727)	43	1723430			283.72- 383.72	347.61
46 2-Propanol					CAS #: 67-63-0		
10.670	10.670 (0.741)	45	1975652	50.0000	46.702	80.00- 120.00	100.00
10.670	10.670 (0.741)	43	472484			0.00- 75.96	23.92
10.670	10.670 (0.741)	59	79293			0.00- 54.18	4.01
47 Carbon Disulfide					CAS #: 75-15-0		
10.891	10.891 (0.756)	76	3336041	50.0000	51.360	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
11.167	11.167 (0.775)	76	580251	50.0000	47.999	80.00- 120.00	100.00
11.167	11.167 (0.775)	41	1417788			206.85- 306.85	244.34
54 Methylene Chloride					CAS #: 75-09-2		
11.472	11.472 (0.796)	49	1260397	50.0000	49.827	80.00- 120.00	100.00
11.472	11.472 (0.796)	84	937378			24.37- 124.37	74.37
11.472	11.472 (0.796)	51	380307			0.00- 83.13	30.17
60 MTBE					CAS #: 1634-04-4		
11.831	11.831 (0.821)	73	1971949	50.0000	63.663	80.00- 120.00	100.00
11.831	11.831 (0.821)	57	416005			0.00- 71.10	21.10
11.831	11.831 (0.821)	41	393622			0.00- 76.24	19.96
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.942	11.942 (0.829)	96	1251777	50.0000	52.240	80.00- 120.00	100.00
11.942	11.942 (0.829)	61	1897529			101.59- 201.59	151.59
11.942	11.942 (0.829)	98	792592			16.45- 116.45	63.32

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.301	12.301 (0.854)	57	1849763	50.0000	48.532	80.00- 120.00	100.00
12.301	12.301 (0.854)	43	1134100			6.95- 106.95	61.31
12.301	12.301 (0.854)	86	290373			0.00- 65.49	15.70
69 Vinyl Acetate					CAS #: 108-05-4		
12.799	12.799 (0.889)	86	277393	50.0000	47.180	80.00- 120.00	100.00
12.799	12.799 (0.889)	43	3083557			1062.71-1162.71	1111.62
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.826	12.826 (0.891)	63	2223678	50.0000	51.031	80.00- 120.00	100.00
12.826	12.826 (0.891)	65	715901			0.00- 82.19	32.19
75 2-Butanone					CAS #: 78-93-3		
13.905	13.905 (0.965)	72	535536	50.0000	51.952	80.00- 120.00	100.00
13.905	13.905 (0.965)	43	2172165			355.61- 455.61	405.61
13.905	13.905 (0.965)	57	174279			0.00- 89.31	32.54
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.932	13.932 (0.967)	61	1634146	50.0000	52.776	80.00- 120.00	100.00
13.932	13.932 (0.967)	96	1170555			21.63- 121.63	71.63
13.932	13.932 (0.967)	98	745158			0.00- 95.60	45.60
80 Tetrahydrofuran					CAS #: 109-99-9		
14.402	14.402 (1.000)	42	1199481	50.0000	49.653	80.00- 120.00	100.00
14.402	14.402 (1.000)	71	502500			0.00- 91.89	41.89
14.402	14.402 (1.000)	72	530806			0.00- 92.26	44.25
82 Chloroform					CAS #: 67-66-3		
14.485	14.485 (1.006)	83	2382616	50.0000	54.012	80.00- 120.00	100.00
14.485	14.485 (1.006)	85	1499890			12.95- 112.95	62.95
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.845	14.845 (1.031)	97	2415404	50.0000	54.554	80.00- 120.00	100.00
14.845	14.845 (1.031)	99	1562544			14.69- 114.69	64.69
85 Cyclohexane					CAS #: 110-82-7		
14.845	14.845 (1.031)	84	1485720	50.0000	52.133	80.00- 120.00	100.00
14.845	14.845 (1.031)	56	1681537			63.18- 163.18	113.18
14.845	14.845 (1.031)	41	958127			14.49- 114.49	64.49
87 Carbon Tetrachloride					CAS #: 56-23-5		
15.094	15.094 (1.048)	119	2305809	50.0000	56.105	80.00- 120.00	100.00
15.094	15.094 (1.048)	117	2385464			53.45- 153.45	103.45
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.425	15.425 (1.071)	57	4763937	50.0000	53.000	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.425	15.425 (1.071)	56	1561364			0.00- 84.27	32.77
15.425	15.425 (1.071)	41	1316708			0.00- 79.95	27.64
91 Benzene					CAS #: 71-43-2		
15.536	15.536 (0.961)	78	3248479	50.0000	54.903	80.00- 120.00	100.00
15.536	15.536 (0.961)	77	739836			0.00- 72.72	22.77
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.647	15.647 (0.968)	62	1638529	50.0000	54.968	80.00- 120.00	100.00
15.647	15.647 (0.968)	64	534962			0.00- 83.63	32.65
94 Heptane					CAS #: 142-82-5		
15.730	15.730 (0.973)	71	1044564	50.0000	53.652	80.00- 120.00	100.00
15.730	15.730 (0.973)	43	1804778			137.75- 237.75	172.78
15.730	15.730 (0.973)	57	994771			45.48- 145.48	95.23
101 Trichloroethene					CAS #: 79-01-6		
16.642	16.642 (1.029)	95	1406575	50.0000	54.401	80.00- 120.00	100.00
16.642	16.642 (1.029)	130	1377048			47.90- 147.90	97.90
16.642	16.642 (1.029)	97	916427			15.15- 115.15	65.15
104 1,2-Dichloropropane					CAS #: 78-87-5		
17.140	17.140 (1.060)	63	1163241	50.0000	54.344	80.00- 120.00	100.00
17.140	17.140 (1.060)	62	835752			21.85- 121.85	71.85
17.140	17.140 (1.060)	41	734918			13.18- 113.18	63.18
106 1,4-Dioxane					CAS #: 123-91-1		
17.278	17.278 (1.068)	88	770550	50.0000	51.382	80.00- 120.00	100.00
17.250	17.250 (1.067)	58	493879			14.09- 114.09	64.09
17.250	17.250 (1.067)	57	176620			0.00- 74.40	22.92
107 Bromodichloromethane					CAS #: 75-27-4		
17.554	17.554 (1.085)	83	2494665	50.0000	55.740	80.00- 120.00	100.00
17.554	17.554 (1.085)	85	1554339			12.31- 112.31	62.31
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.356	18.356 (1.135)	75	1914390	50.0000	55.202	80.00- 120.00	100.00
18.356	18.356 (1.135)	77	609503			0.00- 81.84	31.84
18.356	18.356 (1.135)	39	1038908			4.27- 104.27	54.27
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.522	18.522 (1.145)	58	945468	50.0000	51.787	80.00- 120.00	100.00
18.522	18.522 (1.145)	43	2422257			200.34- 300.34	256.20
18.522	18.522 (1.145)	85	428875			0.00- 99.51	45.36

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	3770347	50.0000	55.676	80.00- 120.00	100.00
18.909	18.909 (1.169)	92	2305691			11.15- 111.15	61.15
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
19.324	19.324 (0.904)	75	2040410	50.0000	56.093	80.00- 120.00	100.00
19.324	19.324 (0.904)	77	645876			0.00- 81.65	31.65
19.324	19.324 (0.904)	39	1048807			1.40- 101.40	51.40
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.683	19.683 (0.921)	97	1360433	50.0000	55.018	80.00- 120.00	100.00
19.683	19.683 (0.921)	99	848289			12.35- 112.35	62.35
19.683	19.683 (0.921)	83	1147774			34.37- 134.37	84.37
120 Tetrachloroethene					CAS #: 127-18-4		
19.849	19.849 (0.929)	166	1759172	50.0000	59.157	80.00- 120.00	100.00
19.849	19.849 (0.929)	129	1339952			26.17- 126.17	76.17
19.849	19.849 (0.929)	131	1283701			22.97- 122.97	72.97
121 2-Hexanone					CAS #: 591-78-6		
19.988	19.988 (0.935)	58	1314868	50.0000	49.692	80.00- 120.00	100.00
19.988	19.988 (0.935)	43	2440070			135.58- 235.58	185.58
19.988	19.988 (0.935)	100	263544			0.00- 68.82	20.04
122 Dibromochloromethane					CAS #: 124-48-1		
20.375	20.375 (0.953)	129	2430950	50.0000	59.429	80.00- 120.00	100.00
20.375	20.375 (0.953)	127	1879505			33.20- 133.20	77.32
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.651	20.651 (0.966)	107	2161137	50.0000	57.128	80.00- 120.00	100.00
20.651	20.651 (0.966)	109	2054402			45.06- 145.06	95.06
127 Chlorobenzene					CAS #: 108-90-7		
21.425	21.425 (1.003)	112	3133055	50.0000	56.696	80.00- 120.00	100.00
21.425	21.425 (1.003)	114	1023231			0.00- 82.66	32.66
21.425	21.425 (1.003)	77	2301928			23.47- 123.47	73.47
128 Ethyl Benzene					CAS #: 100-41-4		
21.508	21.508 (1.006)	106	1575845	50.0000	54.086	80.00- 120.00	100.00
21.508	21.508 (1.006)	91	5003684			263.64- 363.64	317.52
129 m,p-Xylene					CAS #: 108-38-3		
21.702	21.702 (1.016)	106	1996653	50.0000	54.366	80.00- 120.00	100.00
21.702	21.702 (1.016)	91	4026608			155.97- 255.97	201.67
130 o-Xylene					CAS #: 95-47-6		
22.393	22.393 (1.048)	106	1765736	50.0000	53.448	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	3727147			161.08- 261.08	211.08
131 Styrene					CAS #: 100-42-5		
22.448	22.448 (1.050)	104	2996241	50.0000	54.589	80.00- 120.00	100.00
22.421	22.421 (1.049)	78	1590938			3.10- 103.10	53.10
133 Bromoform					CAS #: 75-25-2		
22.835	22.835 (1.069)	173	2094230	50.0000	60.187	80.00- 120.00	100.00
22.835	22.835 (1.069)	171	1085926			1.85- 101.85	51.85
134 Cumene					CAS #: 98-82-8		
22.974	22.974 (1.075)	105	4702503	50.0000	52.560	80.00- 120.00	100.00
22.974	22.974 (1.075)	120	1202569			0.00- 75.30	25.57
22.974	22.974 (1.075)	51	459397			0.00- 61.22	9.77
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.554	23.554 (1.102)	83	2632288	50.0000	52.771	80.00- 120.00	100.00
23.554	23.554 (1.102)	85	1646310			12.54- 112.54	62.54
142 Propylbenzene					CAS #: 103-65-1		
23.665	23.665 (1.107)	91	5795110	50.0000	52.790	80.00- 120.00	100.00
23.665	23.665 (1.107)	120	1289688			0.00- 71.84	22.25
23.665	23.665 (1.107)	105	217085			0.00- 53.86	3.75
145 4-Ethyltoluene					CAS #: 622-96-8		
23.831	23.831 (1.115)	105	5039589	50.0000	53.785	80.00- 120.00	100.00
23.831	23.831 (1.115)	120	1475987			0.00- 79.29	29.29
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.941	23.941 (1.120)	105	4164592	50.0000	52.568	80.00- 120.00	100.00
23.941	23.941 (1.120)	120	2001009			0.00- 97.89	48.05
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.577	24.577 (1.150)	105	3824980	50.0000	52.641	80.00- 120.00	100.00
24.577	24.577 (1.150)	120	1747637			0.00- 95.99	45.69
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
25.158	25.158 (1.177)	146	2566632	50.0000	54.694	80.00- 120.00	100.00
25.158	25.158 (1.177)	148	1641904			15.22- 115.22	63.97
25.158	25.158 (1.177)	111	1124201			0.00- 95.49	43.80
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
25.296	25.296 (1.184)	146	2627492	50.0000	54.369	80.00- 120.00	100.00
25.296	25.296 (1.184)	148	1672218			12.87- 112.87	63.64
25.296	25.296 (1.184)	111	1105570			0.00- 94.15	42.08

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	3916138	50.0000	50.883	80.00- 120.00	100.00
25.517	25.517 (1.194)	126	758365			0.00- 68.04	19.37
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.932	25.932 (1.213)	146	2261241	50.0000	52.958	80.00- 120.00	100.00
25.932	25.932 (1.213)	148	1436853			13.54- 113.54	63.54
25.932	25.932 (1.213)	111	1018652			0.00- 95.05	45.05
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.835	28.835 (1.349)	180	887555	50.0000	45.443	80.00- 120.00	100.00
28.835	28.835 (1.349)	182	848483			45.60- 145.60	95.60
166 Hexachlorobutadiene					CAS #: 87-68-3		
29.029	29.029 (1.358)	225	678086	50.0000	45.671	80.00- 120.00	100.00
29.029	29.029 (1.358)	223	432203			15.56- 115.56	63.74
29 Isopentane					CAS #: 78-78-4		
8.375	8.375 (0.581)	43	1323351	50.0000	45.254	80.00- 120.00	100.00
8.375	8.375 (0.581)	57	945800			19.65- 119.65	71.47
19 Butane					CAS #: 106-97-8		
6.771	6.771 (0.470)	58	210874	50.0000	45.684	80.00- 120.00	100.00
6.771	6.771 (0.470)	43	1653354			703.35- 803.35	784.05
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.918	16.918 (1.175)	83	1900524	50.0000	52.738	80.00- 120.00	100.00
16.918	16.918 (1.175)	98	841897			0.00- 95.72	44.30
16.918	16.918 (1.175)	55	1485608			29.18- 129.18	78.17
167 Naphthalene					CAS #: 91-20-3		
29.416	29.416 (1.377)	128	1701609	50.0000	43.186	80.00- 120.00	100.00
29.416	29.416 (1.377)	127	216656			0.00- 63.92	12.73

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7060302.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /var/chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 03-JUN-2007
Calibration Time: 09:11
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324266	194560	453972	324266	0.00
97 1,4-Difluorobenze	1381938	829163	1934713	1381938	0.00
126 Chlorobenzene-d5	1133267	679960	1586574	1133267	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

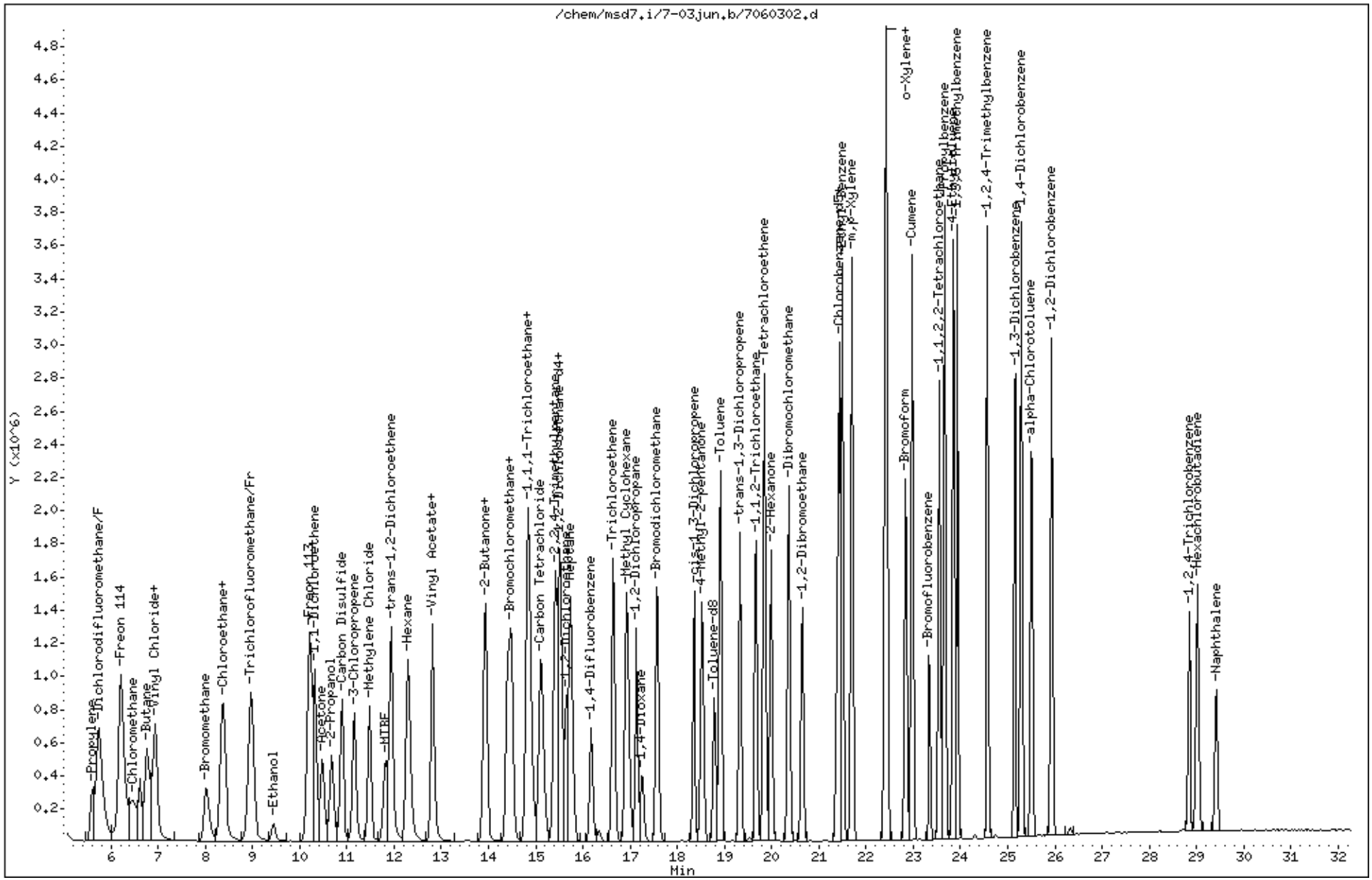
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0196

Data File: /chem/msd7.i/7-03jun.b/7060302.d
Date : 03-JUN-2007 09:11
Client ID: CCV-1
Sample Info: 50ml #1487-286

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705584-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 09:50 AM**	

Compound	%Recovery
Freon 12	96
Freon 114	98
Vinyl Chloride	95
Bromomethane	96
Chloroethane	90
Freon 11	99
1,1-Dichloroethene	108
Freon 113	112
Methylene Chloride	104
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	104
Chloroform	107
1,1,1-Trichloroethane	107
Carbon Tetrachloride	109
Benzene	109
1,2-Dichloroethane	110
Trichloroethene	108
1,2-Dichloropropane	106
cis-1,3-Dichloropropene	107
Toluene	113
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	109
Tetrachloroethene	117
1,2-Dibromoethane (EDB)	109
Chlorobenzene	112
Ethyl Benzene	106
m,p-Xylene	108
o-Xylene	107
Styrene	107
1,1,2,2-Tetrachloroethane	104
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	106
1,2-Dichlorobenzene	106
1,3-Butadiene	90
Hexane	95
Cyclohexane	101

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0705584-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7060303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/3/07 09:50 AM**	

Compound	%Recovery
Heptane	105
Bromodichloromethane	110
Dibromochloromethane	118
Cumene	108
Propylbenzene	107
Chloromethane	100
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	97
Acetone	90
Carbon Disulfide	100
2-Propanol	92
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	102
Tetrahydrofuran	98
1,4-Dioxane	101
4-Methyl-2-pentanone	103
2-Hexanone	98
Bromoform	120
4-Ethyltoluene	108
Ethanol	95
Methyl tert-butyl ether	119
3-Chloropropene	91
2,2,4-Trimethylpentane	103
Naphthalene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	107	70-130

Report Date: 03-Jun-2007 10:10

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-03jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /var/chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 100ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	48.158	96.32	70-130
16 Freon 114	50.000	49.174	98.35	70-130
18 Chloromethane	50.000	50.208	100.42	70-130
20 Vinyl Chloride	50.000	47.650	95.30	70-130
22 1,3-Butadiene	50.000	45.198	90.40	60-140
25 Bromomethane	50.000	48.142	96.29	70-130
27 Chloroethane	50.000	45.219	90.44	70-130
31 Trichlorofluoromet	50.000	49.572	99.14	70-130
38 Ethanol	50.000	47.628	95.26	60-140
42 Freon 113	50.000	56.182	112.36	70-130
43 1,1-Dichloroethene	50.000	53.836	107.67	70-130
45 Acetone	50.000	45.231	90.46	60-140
47 Carbon Disulfide	50.000	50.015	100.03	60-140
46 2-Propanol	50.000	46.061	92.12	60-140
54 Methylene Chloride	50.000	51.994	103.99	70-130
60 MTBE	50.000	59.717	119.43	60-140
61 trans-1,2-Dichloro	50.000	50.969	101.94	60-140
65 Hexane	50.000	47.485	94.97	60-140
69 Vinyl Acetate	50.000	46.036	92.07	60-140
70 1,1-Dichloroethane	50.000	51.086	102.17	70-130
76 cis-1,2-Dichloroet	50.000	51.934	103.87	70-130
75 2-Butanone	50.000	51.034	102.07	60-140
80 Tetrahydrofuran	50.000	48.992	97.99	60-140
82 Chloroform	50.000	53.668	107.34	70-130
85 Cyclohexane	50.000	50.673	101.35	60-140
83 1,1,1-Trichloroeth	50.000	53.499	107.00	70-130
87 Carbon Tetrachlori	50.000	54.624	109.25	70-130
91 Benzene	50.000	54.412	108.83	70-130
93 1,2-Dichloroethane	50.000	54.971	109.94	70-130
94 Heptane	50.000	52.724	105.45	60-140
101 Trichloroethene	50.000	53.766	107.53	70-130
104 1,2-Dichloropropan	50.000	53.263	106.53	70-130
106 1,4-Dioxane	50.000	50.374	100.75	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	55.057	110.11	60-140
110 cis-1,3-Dichloropr	50.000	53.328	106.66	70-130
111 4-Methyl-2-pentano	50.000	51.636	103.27	60-140
114 Toluene	50.000	56.554	113.11	70-130
116 trans-1,3-Dichloro	50.000	54.579	109.16	70-130
117 1,1,2-Trichloroeth	50.000	54.333	108.67	70-130
120 Tetrachloroethene	50.000	58.436	116.87	70-130
121 2-Hexanone	50.000	48.795	97.59	60-140
122 Dibromochlorometha	50.000	59.122	118.24	60-140
123 1,2-Dibromoethane	50.000	54.606	109.21	70-130
127 Chlorobenzene	50.000	55.802	111.60	70-130
128 Ethyl Benzene	50.000	52.910	105.82	70-130
129 m,p-Xylene	50.000	54.024	108.05	70-130
130 o-Xylene	50.000	53.555	107.11	70-130
131 Styrene	50.000	53.311	106.62	70-130
133 Bromoform	50.000	59.986	119.97	60-140
140 1,1,2,2-Tetrachlor	50.000	52.238	104.48	70-130
145 4-Ethyltoluene	50.000	54.028	108.06	60-140
147 1,3,5-Trimethylben	50.000	52.230	104.46	70-130
150 1,2,4-Trimethylben	50.000	52.291	104.58	70-130
155 1,3-Dichlorobenzen	50.000	54.691	109.38	70-130
156 1,4-Dichlorobenzen	50.000	53.880	107.76	70-130
159 alpha-Chlorotoluen	50.000	53.165	106.33	70-130
161 1,2-Dichlorobenzen	50.000	52.858	105.72	70-130
165 1,2,4-Trichloroben	50.000	49.708	99.42	70-130
166 Hexachlorobutadien	50.000	48.573	97.15	70-130
142 Propylbenzene	50.000	53.617	107.23	60-140
134 Cumene	50.000	53.777	107.55	60-140
51 3-Chloropropene	50.000	45.621	91.24	60-140
89 2,2,4-Trimethylpen	50.000	51.437	102.87	60-140
29 Isopentane	50.000	42.141	84.28	70-130
19 Butane	50.000	44.707	89.41	70-130
102 Methyl Cyclohexane	50.000	51.811	103.62	70-130
11 Propylene	50.000	44.796	89.59	60-140
167 Naphthalene	50.000	45.544	91.09	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.734	94.94	70-130
$ 113 Toluene-d8	25.000	24.501	98.00	70-130
$ 137 Bromofluorobenzene	25.000	26.772	107.09	70-130

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd7.i
Lab File ID: 7060303.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /var/chem/msd7.i/7-03jun.b/t14q524b.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 03-JUN-2007
Calibration Time: 09:11
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	324266	194560	453972	319395	-1.50
97 1,4-Difluorobenze	1381938	829163	1934713	1350494	-2.28
126 Chlorobenzene-d5	1133267	679960	1586574	1104646	-2.53

		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.

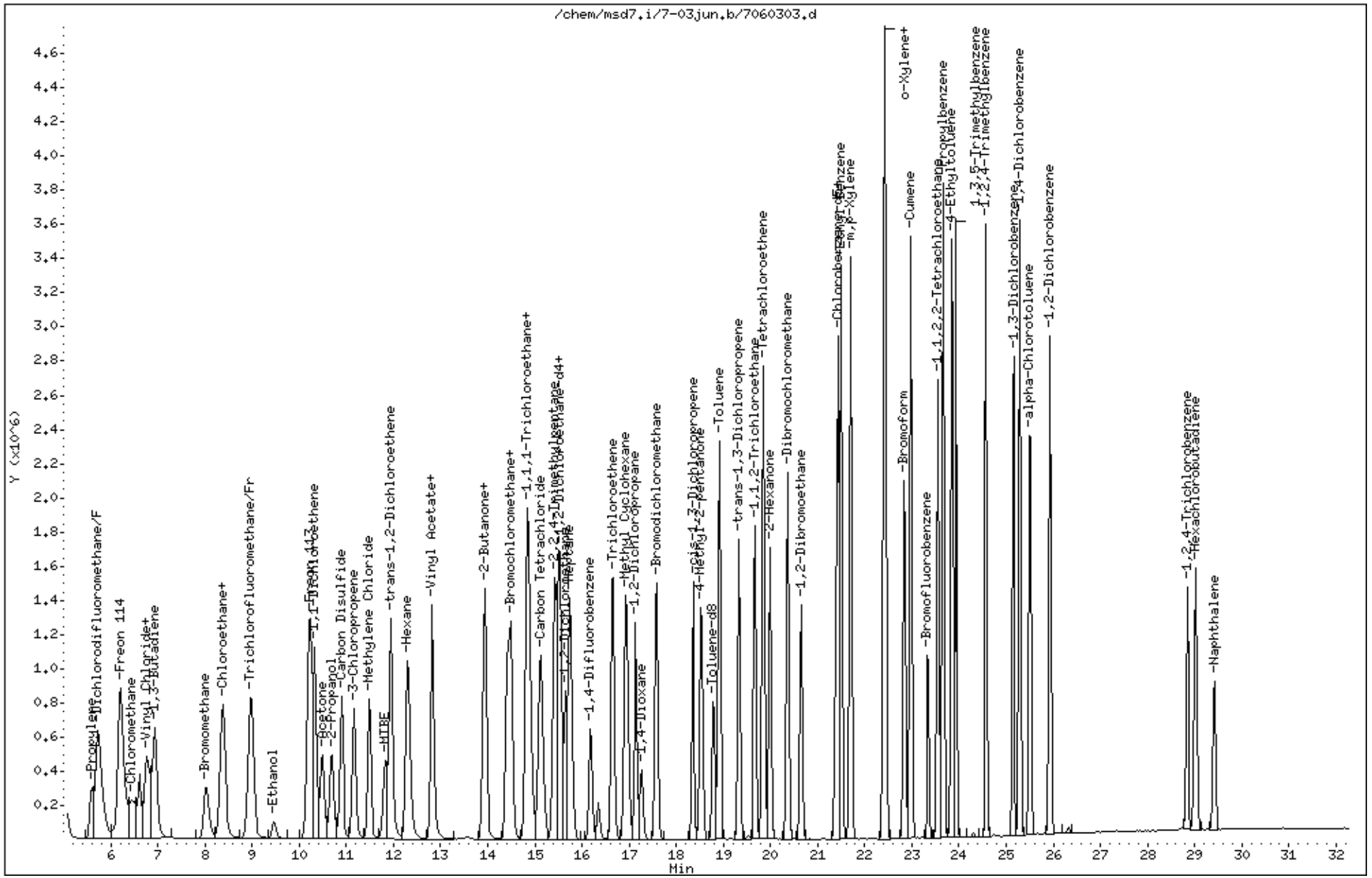
0202

Data File: /chem/msd7.i/7-03jun.b/7060303.d
Date : 03-JUN-2007 09:50
Client ID: LCS-1
Sample Info: 100ml #1487-272A

Instrument: msd7.i

Operator: lmr
Column diameter: 0.53

Column phase: RTx-624



@ Air Toxics Ltd.

MSD-7

Logbook #: 1546

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.94
75	30.0 – 60.0% of mass 95	48.37
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.81
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	74.57
175	5.0 – 9.0% of mass 174	(7.72)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.17)[1] ✓
177	5.0 – 9.0% of mass 176	(6.38)[2]

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

BFB Injection Date: 6/3/07
BFB Injection Time: 0845
BFB File ID: 7060301
Tekmar Purge Flow: 19.5 ml/min
Vacuum: 3.2 X10-5

IS/S Std.#: 1487-276	Exp. Date: 8/18/07
BCM 324266	
1,4-DFB 1381938	
CB-d5 11332167	

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

Verify 176/174 m/z Ratio: 514500/529600 X100 = 97.16

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(531770)}{(324266)} \times \frac{(25.000)}{(1.67790)} = 24.434$

File ID:	7060302
Compound:	1,2-DCA-d4
Initials:	CT

Reported Result 24.434

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	7060301	BFB Tune Check	343-3917	50 psig	2 µl	1.00	LR	6/3/07	0845	CT/CT	
2	✓	02	CCV-1 #1487-280	203 ppbv → 50 ppbv		50 ml				0911	CT/CT	
3	✓	03	LCS-1 #1487-272A	100 ppbv → 50 ppbv		100 ml				0950	CT/CT	
4	✓	04	Lab Blank	31393	humid	200 ml	↓			1040	CT/CT	
5	J	05	070513-01A	33407	4.5" Hg → 15 psi	1 ml	476			1126	CT/CT	
6	J	06	070555601A	35652	4.0" Hg → 15 psi	200 ml	2.33			1214	CT/CT	
7	J	07	-02A	34158	3.5" Hg → 15 psi		2.29			1322	CT/CT	
8	✓	08	-03A	30518	4.0" Hg → 15 psi		2.33			1422	CT/CT	
9	✓	09	-04A	3395	3.5" Hg → 15 psi	↓	2.29	↓	↓	1501	CT/CT	

Signature

6/3/07
Date

0203

✓	7060310	0705556-01AA	35652	4.0"Hg→15psi	200mL	2.33	DM	6/3/07	1540	DM/CT		
✓	11	↓ -05A	31777	↓	↓	↓			1623	DM/CT		
✓	12	0705559-01A	34490	7.5"Hg→15psi		1.79			1702	DM/CT		
✓	13	↓ 02A	14871	8.0"Hg→15psi	↓	1.83			1741	DM/CT		
X	14	0705566A-01A	2167	2.5"Hg→15psi	5.0mL	88.0			1821	DM/X	rr @35mL	
X	15	↓ 02A	35692	↓	2.0mL	220			1901	DM/CT	rr @25mL	
X	16	01A	2167	2.5"Hg→15psi	35mL	12.6			1940	DM/CT	rr @25mL	
X	17	02A	35692	2.5"Hg→15psi	25mL	17.6			2020	DM/CT	rr @15mL	
✓	18	01A	2167	2.5"Hg→15psi	25mL	17.6			2058	DM/CT	[illegible]	
✓	19	↓ 02A	35692	2.5"Hg→15psi	15mL	29.3			2137	DM/CT		
✓	20	0705567A-01A	2213	↓	40mL	11.0			2216	AB/CT	D.I due to non-Tox	
✓	21	↓ -02A	2171	3.0"Hg→15psi	200mL	2.24	AB	↓	2311	AB/CT		
✓	22	0705584-01A	33108	6.0"Hg→5psi	200mL	1.34	AB	6/4/07	0005	AB/CT		
✓	23	↓ -02A	34403	7.5"Hg→5psi	200mL	1.79	AB		0056	AB/CT		
✓	24	0706,0077A-01A	12022	4.5"Hg→5psi	200mL	1.58	AB		0149	/CT		
✓	25	↓ -01AA	↓	↓	↓	↓	AB		0238	/CT		
✓	26	-02A	33936	2.5"Hg→5psi		1.46	AB		0334	/CT		
✓	27	-03A	3722	5.5"Hg→5psi		1.64	AB		0432	/CT		
✓	28	-04A	4289	4.5"Hg→5psi		1.58	AB		0521	/CT		
✓	29	↓ -05A	3745	2.0"Hg→5psi	↓	1.44	AB	↓	0609	SO		
30												
31												
32												

0204

Comments: 6-4-07 CT

C Taylor

6-4-07
Date

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-24may.b/7052404.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 24-MAY-2007 17:52
Operator : srs Inst ID: msd7.i
Smp Info : 2.0uL #843-2917; BFB; BFB
Misc Info : 50nG
Comment :
Method : /var/chem/msd7.i/7-24may.b/bfb105.m
Meth Date : 24-May-2007 14:27 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	8.232	0.000	95	864992			100.00- 100.00	100.00
8.232	8.232	0.000	50	173208			15.00- 40.00	20.02
8.232	8.232	0.000	75	422936			30.00- 60.00	48.89
8.232	8.232	0.000	96	57068			5.00- 9.00	6.60
8.232	8.232	0.000	173	0			0.00- 2.00	0.00
8.232	8.232	0.000	174	597504			50.00- 100.00	69.08
8.232	8.232	0.000	175	47478			5.00- 9.00	7.95
8.232	8.232	0.000	176	568979			95.00- 101.00	95.23
8.232	8.232	0.000	177	37758			5.00- 9.00	6.64

Data File: /var/chem/msd7.i/7-24may.b/7052404.d

Date : 24-MAY-2007 17:52

Client ID: BFB

Instrument: msd7.i

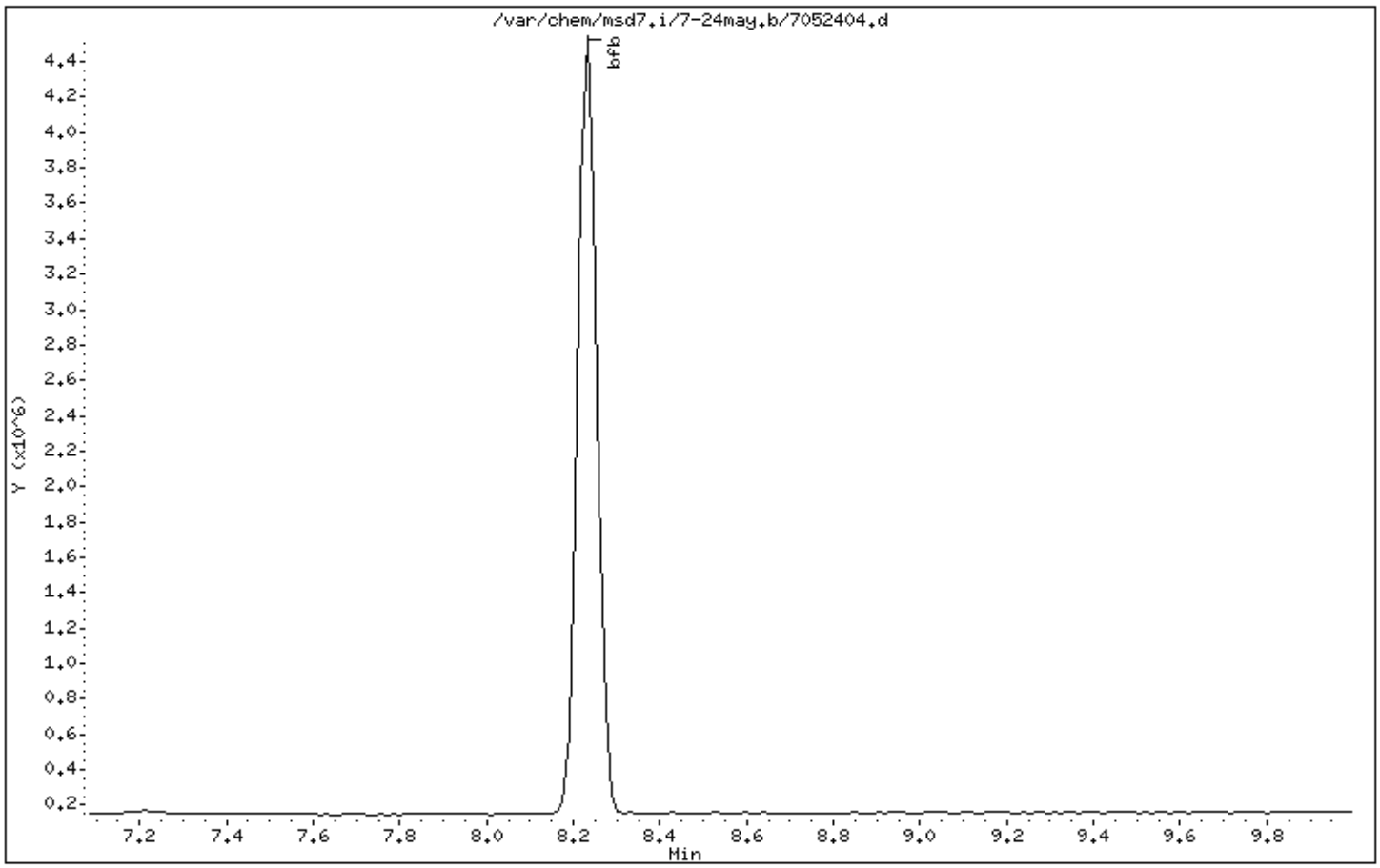
Sample Info: 2.0uL #843-2917; BFB; BFB

Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd7.i/7-24may.b/7052404.d

Date : 24-MAY-2007 17:52

Client ID: BFB

Instrument: msd7.i

Sample Info: 2.0uL #843-2917; BFB; BFB

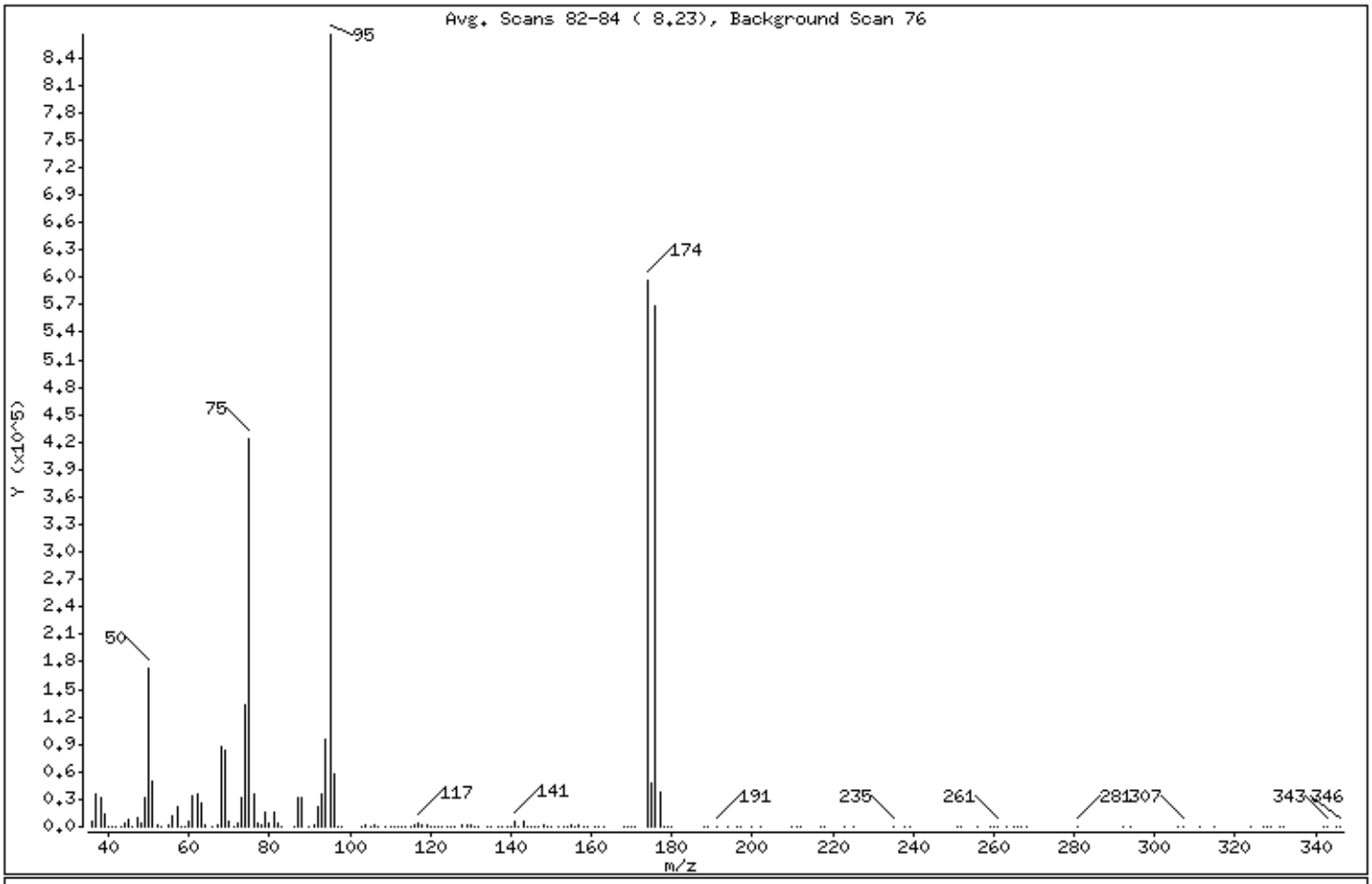
Volume Injected (uL): 2.0

Operator: srs

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	20.02
75	30.00 - 60.00% of mass 95	48.89
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	69.08
175	5.00 - 9.00% of mass 174	5.49 (7.95)
176	95.00 - 101.00% of mass 174	65.78 (95.23)
177	5.00 - 9.00% of mass 176	4.37 (6.64)

Date : 24-MAY-2007 17:52

Client ID: BFB Instrument: msd7.i

Sample Info: 2.0uL #843-2917; BFB; BFB

Volume Injected (uL): 2.0 Operator: srs

Column phase: Column diameter: 0.53

Data File: 7052404.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76
Location of Maximum: 95.00
Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6497	81.00	15790	134.00	148	197.00	61
37.00	35832	82.00	3364	135.00	415	200.00	57
38.00	31896	83.00	380	137.00	702	202.00	58
39.00	13041	86.00	470	138.00	149	210.00	116
40.00	170	87.00	32232	139.00	177	211.00	178
41.00	155	88.00	32192	140.00	512	212.00	51
42.00	15	90.00	84	141.00	6026	217.00	212
43.00	252	91.00	2258	142.00	824	218.00	42
44.00	3939	92.00	21984	143.00	5683	223.00	4
45.00	7630	93.00	34968	144.00	310	225.00	55
46.00	399	94.00	95448	145.00	450	235.00	214
47.00	9019	95.00	864960	146.00	734	238.00	52
48.00	3986	96.00	57064	147.00	358	239.00	132
49.00	32248	97.00	970	148.00	1475	251.00	34
50.00	173184	98.00	160	149.00	492	252.00	2
51.00	50352	103.00	12	150.00	523	256.00	128
52.00	2100	104.00	2549	152.00	394	259.00	58
53.00	37	105.00	762	153.00	666	260.00	27
55.00	1930	106.00	2030	154.00	528	261.00	203
56.00	11301	107.00	726	155.00	1585	263.00	142
57.00	21520	109.00	209	156.00	281	265.00	40
58.00	924	110.00	67	157.00	1378	266.00	116
59.00	272	111.00	456	158.00	114	267.00	100
60.00	6226	112.00	224	159.00	708	268.00	47
61.00	34584	113.00	607	161.00	443	281.00	535
62.00	35232	114.00	51	162.00	93	292.00	60
63.00	26792	115.00	681	163.00	8	294.00	185
64.00	2380	116.00	1703	168.00	131	306.00	11
66.00	242	117.00	3876	169.00	166	307.00	62
67.00	2097	118.00	1788	170.00	338	311.00	58
68.00	87112	119.00	2980	171.00	418	315.00	58
69.00	83840	120.00	198	174.00	597504	324.00	72
70.00	5726	121.00	269	175.00	47472	327.00	32
71.00	77	122.00	274	176.00	568960	328.00	254
72.00	3777	123.00	324	177.00	37752	329.00	88

Date : 24-MAY-2007 17:52

Client ID: BFB Instrument: msd7.i

Sample Info: 2.0uL #843-2917; BFB; BFB

Volume Injected (uL): 2.0 Operator: srs

Column phase: Column diameter: 0.53

Data File: 7052404.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 76
Location of Maximum: 95.00
Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	32392	124.00	186	178.00	924	331.00	138
74.00	133632	125.00	286	179.00	43	332.00	65
75.00	422912	126.00	184	180.00	144	342.00	84
76.00	35608	128.00	2257	188.00	126	343.00	634
77.00	4513	129.00	1196	189.00	83	345.00	67
78.00	2489	130.00	2306	191.00	505	346.00	142
79.00	15372	131.00	758	194.00	189		
80.00	4592	132.00	76	196.00	175		

Air Toxics Ltd.

Data file : /chem/msd7.i/7-25may.b/7052501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 25-MAY-2007 07:57
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/7-25may.b/bfb105.m
Meth Date : 25-May-2007 07:54 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	8.232	0.000	95	861656			100.00- 100.00	100.00
8.232	8.232	0.000	50	171092			15.00- 40.00	19.86
8.232	8.232	0.000	75	417445			30.00- 60.00	48.45
8.232	8.232	0.000	96	58561			5.00- 9.00	6.80
8.232	8.232	0.000	173	0			0.00- 2.00	0.00
8.232	8.232	0.000	174	592689			50.00- 100.00	68.78
8.232	8.232	0.000	175	46149			5.00- 9.00	7.79
8.232	8.232	0.000	176	576348			95.00- 101.00	97.24
8.232	8.232	0.000	177	37752			5.00- 9.00	6.55

Data File: /chem/msd7.i/7-25may.b/7052501.d

Page 1

Date : 25-MAY-2007 07:57

Client ID: BFB

Instrument: msd7.i

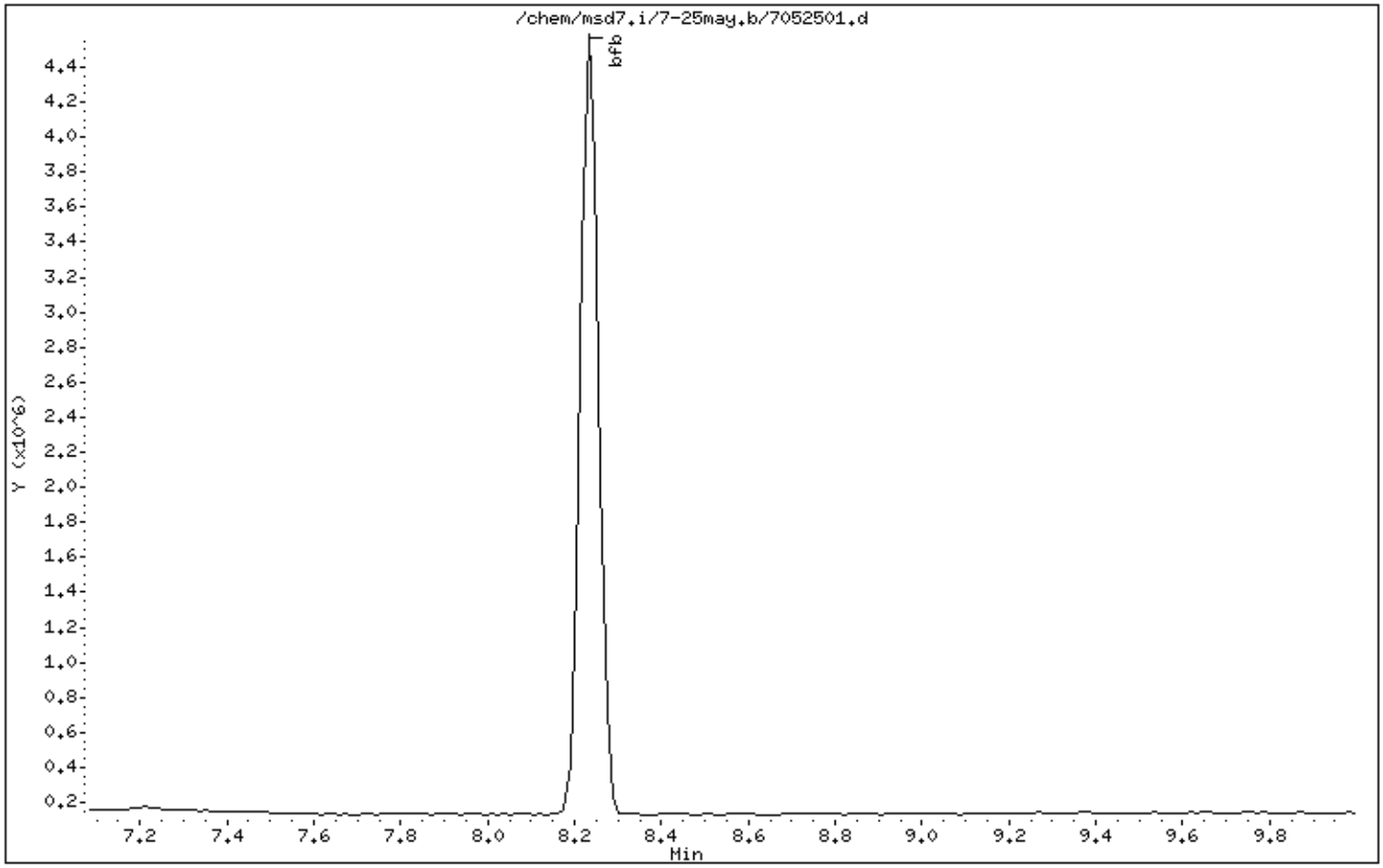
Sample Info: 2uL #843-2917;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53



Data File: /chem/msd7.i/7-25may.b/7052501.d

Date : 25-MAY-2007 07:57

Client ID: BFB

Instrument: msd7.i

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

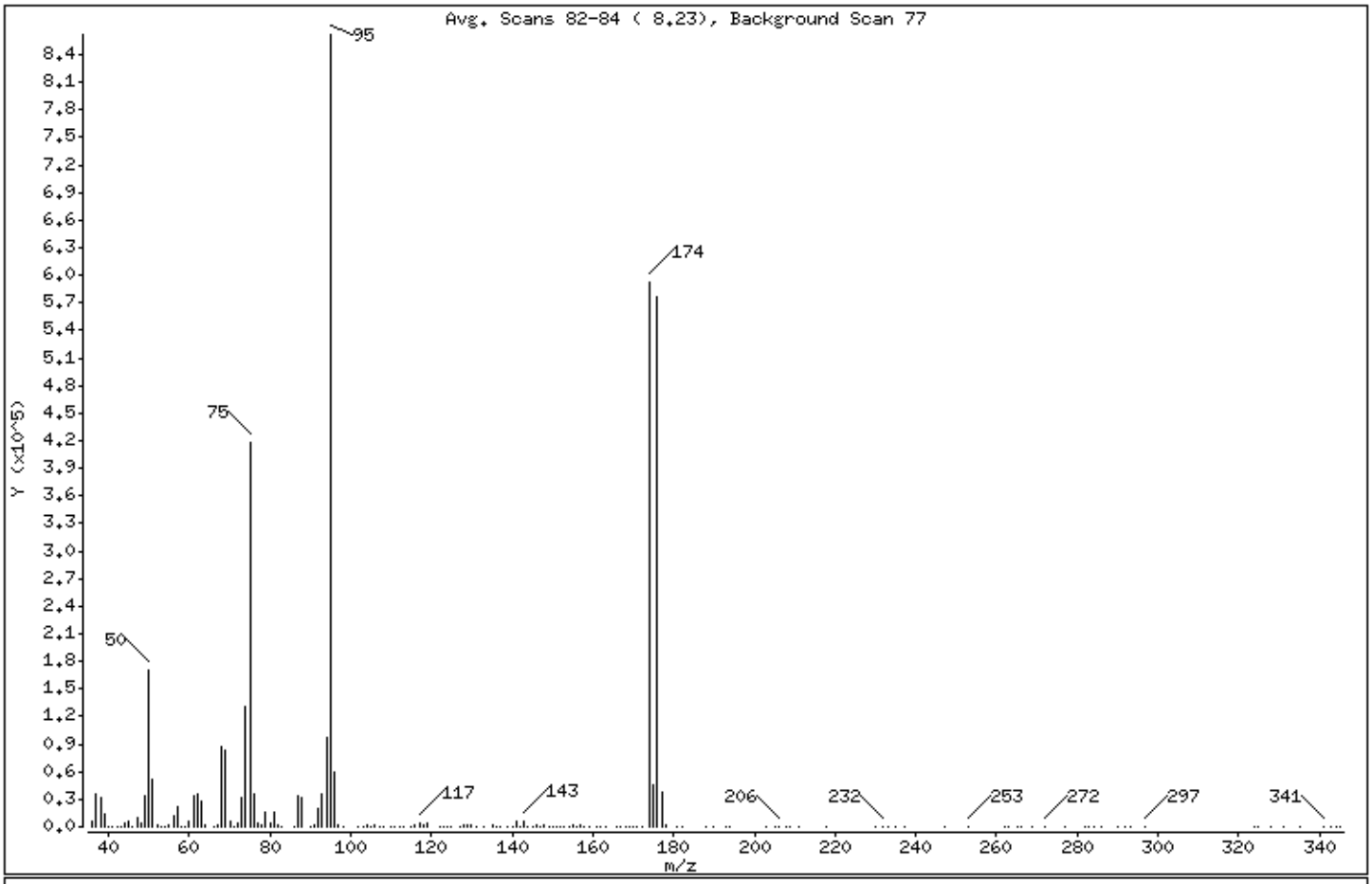
Volume Injected (uL): 2.0

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	19.86
75	30.00 - 60.00% of mass 95	48.45
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	68.78
175	5.00 - 9.00% of mass 174	5.36 (7.79)
176	95.00 - 101.00% of mass 174	66.89 (97.24)
177	5.00 - 9.00% of mass 176	4.38 (6.55)

Data File: /chem/msd7.i/7-25may.b/7052501.d

Date : 25-MAY-2007 07:57

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: 7052501.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6393	80.00	4740	136.00	140	194.00	57
37.00	36640	81.00	16640	137.00	931	203.00	135
38.00	31488	82.00	2897	139.00	257	205.00	220
39.00	12925	83.00	166	140.00	503	206.00	426
40.00	405	86.00	502	141.00	5937	208.00	135
41.00	242	87.00	33064	142.00	793	209.00	70
42.00	95	88.00	31760	143.00	6144	211.00	121
43.00	185	90.00	258	144.00	209	218.00	11
44.00	4046	91.00	1961	145.00	657	230.00	56
45.00	6909	92.00	20672	146.00	1070	232.00	220
46.00	493	93.00	35824	147.00	358	233.00	3
47.00	9258	94.00	96424	148.00	1471	235.00	130
48.00	4201	95.00	861632	149.00	448	237.00	71
49.00	33336	96.00	58560	150.00	631	247.00	127
50.00	171072	97.00	1857	151.00	70	253.00	300
51.00	51248	98.00	2	152.00	425	262.00	163
52.00	1909	102.00	101	153.00	624	263.00	158
53.00	133	103.00	103	154.00	466	265.00	229
54.00	113	104.00	2571	155.00	1572	266.00	243
55.00	2129	105.00	813	156.00	245	269.00	191
56.00	10957	106.00	2776	157.00	1290	272.00	222
57.00	21480	107.00	683	158.00	73	277.00	65
58.00	841	108.00	250	159.00	705	282.00	90
59.00	15	110.00	420	161.00	719	283.00	53
60.00	6551	111.00	363	162.00	20	284.00	68
61.00	33864	112.00	428	163.00	284	286.00	52
62.00	34696	113.00	573	166.00	41	290.00	51
63.00	27432	115.00	793	167.00	72	292.00	55
64.00	2651	116.00	1799	168.00	238	293.00	35
66.00	211	117.00	3609	169.00	515	297.00	55
67.00	2060	118.00	2157	170.00	450	324.00	51
68.00	87000	119.00	3062	171.00	764	325.00	167
69.00	82704	122.00	64	172.00	900	328.00	4
70.00	5860	123.00	347	174.00	592640	331.00	152
71.00	545	124.00	411	175.00	46144	335.00	91

Date : 25-MAY-2007 07:57

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: 7052501.d
Spectrum: Avg. Scans 82-84 (8.23), Background Scan 77
Location of Maximum: 95.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	4189	125.00	75	176.00	576320	341.00	200
73.00	31232	127.00	103	177.00	37752	343.00	121
74.00	131136	128.00	2030	178.00	1094	344.00	138
75.00	417408	129.00	1413	181.00	84	345.00	12
76.00	35536	130.00	2497	182.00	50		
77.00	4146	131.00	854	188.00	195		
78.00	2894	133.00	636	190.00	192		
79.00	15815	135.00	1023	193.00	129		

Air Toxics Ltd.

Data file : /chem/msd7.i/7-30may.b/7053001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 30-MAY-2007 09:05
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/7-30may.b/bfb105.m
Meth Date : 30-May-2007 09:02 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.246	8.232	0.014	95	841885			100.00- 100.00	100.00
8.246	8.232	0.014	50	161277			15.00- 40.00	19.16
8.246	8.232	0.014	75	404815			30.00- 60.00	48.08
8.246	8.232	0.014	96	55907			5.00- 9.00	6.64
8.246	8.232	0.014	173	5568			0.00- 2.00	0.90
8.246	8.232	0.014	174	616832			50.00- 100.00	73.27
8.246	8.232	0.014	175	48026			5.00- 9.00	7.79
8.246	8.232	0.014	176	601703			95.00- 101.00	97.55
8.246	8.232	0.014	177	38818			5.00- 9.00	6.45

Data File: /chem/msd7.i/7-30may.b/7053001.d

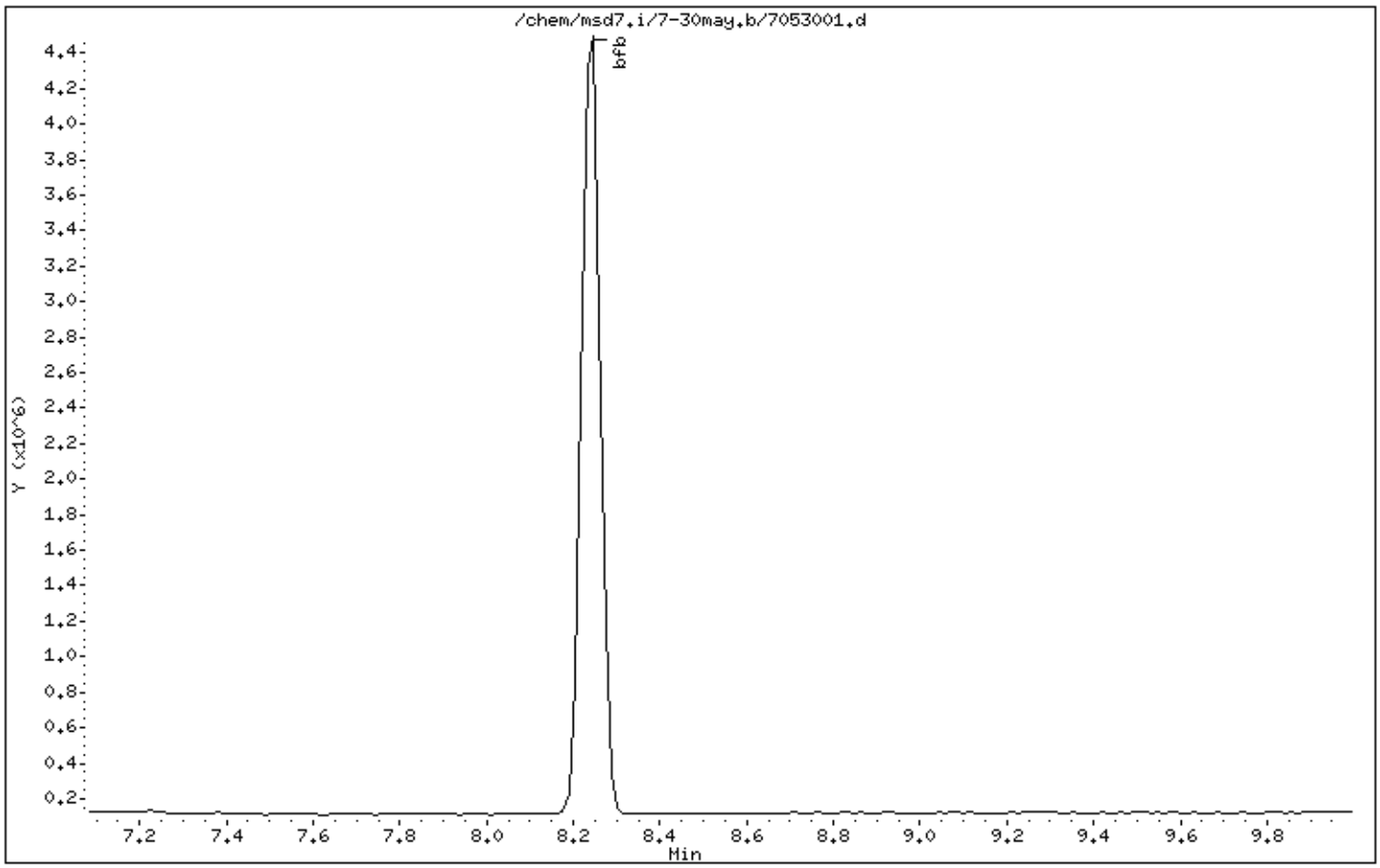
Date : 30-MAY-2007 09:05

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/7-30may.b/7053001.d

Date : 30-MAY-2007 09:05

Client ID: BFB

Instrument: msd7.i

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

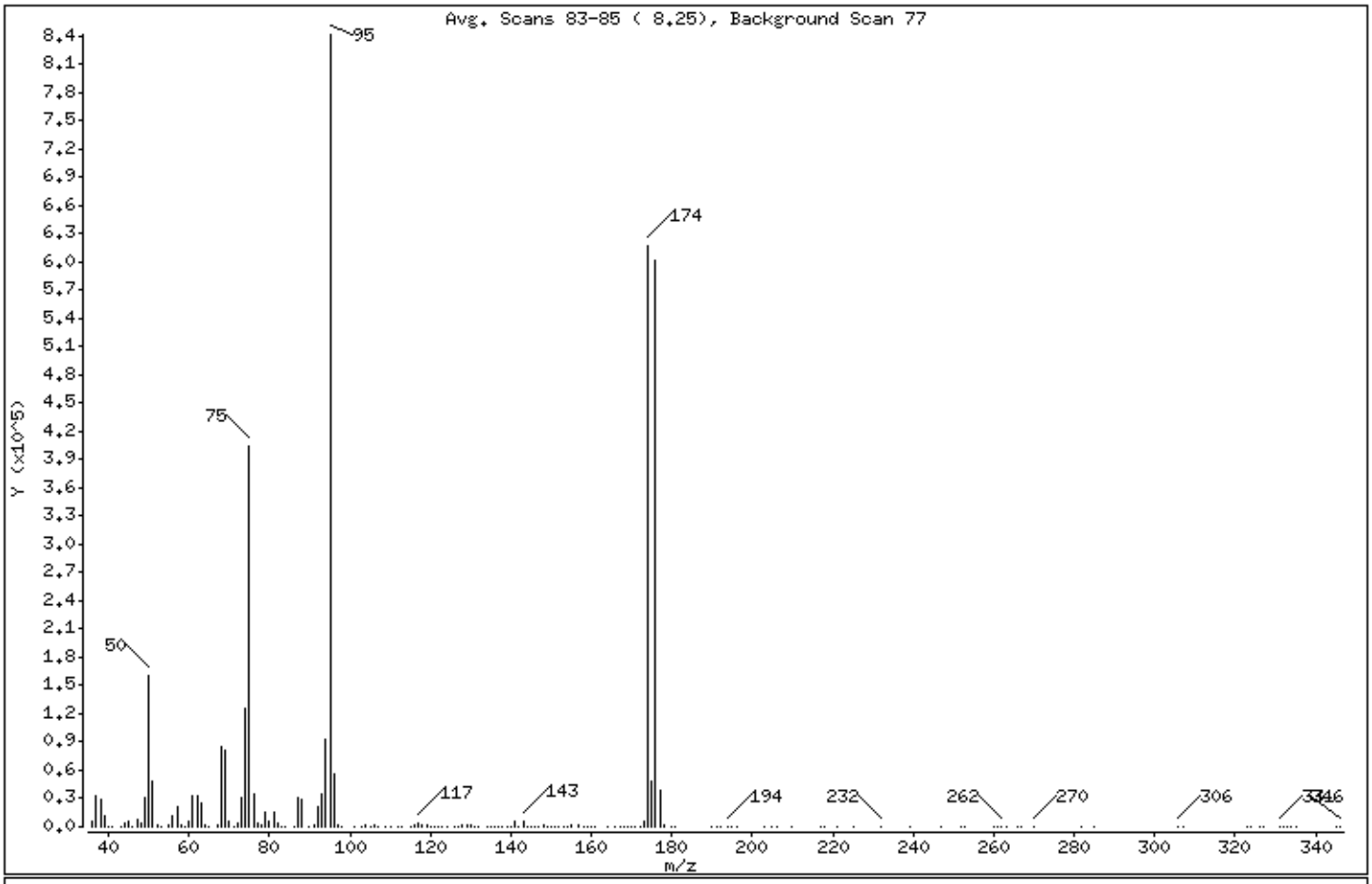
Volume Injected (uL): 2.0

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	19.16
75	30.00 - 60.00% of mass 95	48.08
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.66 (0.90)
174	50.00 - 100.00% of mass 95	73.27
175	5.00 - 9.00% of mass 174	5.70 (7.79)
176	95.00 - 101.00% of mass 174	71.47 (97.55)
177	5.00 - 9.00% of mass 176	4.61 (6.45)

Data File: /chem/msd7.i/7-30may.b/7053001.d

Date : 30-MAY-2007 09:05

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: 7053001.d
Spectrum: Avg. Scans 83-85 (8.25), Background Scan 77
Location of Maximum: 95.00
Number of points: 169

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5998	82.00	3968	135.00	865	191.00	174
37.00	33168	83.00	279	136.00	40	192.00	235
38.00	28392	84.00	118	137.00	724	194.00	260
39.00	12055	86.00	827	138.00	106	195.00	150
40.00	731	87.00	31584	139.00	413	196.00	122
41.00	182	88.00	29936	140.00	391	203.00	62
43.00	359	90.00	111	141.00	6008	205.00	18
44.00	2904	91.00	2290	142.00	798	206.00	131
45.00	6285	92.00	20624	143.00	6353	210.00	70
46.00	479	93.00	34872	144.00	427	217.00	59
47.00	7731	94.00	92488	145.00	275	218.00	8
48.00	3710	95.00	841856	146.00	808	221.00	24
49.00	30416	96.00	55904	147.00	118	225.00	114
50.00	161216	97.00	1347	148.00	1452	232.00	280
51.00	47664	98.00	119	149.00	674	239.00	32
52.00	2148	101.00	367	150.00	534	247.00	55
53.00	109	103.00	272	151.00	162	252.00	67
55.00	1792	104.00	2488	152.00	498	253.00	210
56.00	10831	105.00	658	153.00	573	260.00	117
57.00	20840	106.00	2560	154.00	674	261.00	12
58.00	1001	107.00	608	155.00	1964	262.00	223
59.00	207	109.00	69	157.00	1507	263.00	62
60.00	6218	110.00	174	158.00	54	266.00	41
61.00	33288	112.00	406	159.00	587	267.00	160
62.00	32896	113.00	522	160.00	63	270.00	244
63.00	25872	115.00	708	161.00	770	282.00	50
64.00	2425	116.00	2087	164.00	31	285.00	156
65.00	342	117.00	3906	166.00	189	306.00	223
67.00	1733	118.00	2088	167.00	230	307.00	65
68.00	84416	119.00	2851	168.00	52	323.00	56
69.00	81448	120.00	335	169.00	361	324.00	68
70.00	6064	121.00	73	170.00	637	326.00	87
71.00	139	122.00	177	171.00	344	327.00	169
72.00	3615	123.00	310	172.00	612	331.00	196
73.00	30600	124.00	468	173.00	5568	332.00	56

Date : 30-MAY-2007 09:05

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: 7053001.d
Spectrum: Avg. Scans 83-85 (8.25), Background Scan 77
Location of Maximum: 95.00
Number of points: 169

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	126008	126.00	113	174.00	616832	333.00	78
75.00	404800	127.00	141	175.00	48024	334.00	110
76.00	34832	128.00	2069	176.00	601664	335.00	110
77.00	4076	129.00	1293	177.00	38816	345.00	16
78.00	2808	130.00	2575	178.00	1047	346.00	66
79.00	15460	131.00	828	180.00	66		
80.00	4963	132.00	230	181.00	246		
81.00	16163	134.00	136	190.00	9		

Air Toxics Ltd.

Data file : /var/chem/msd7.i/7-03jun.b/7060301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 03-JUN-2007 08:45
Operator : lmr Inst ID: msd7.i
Smp Info : 2ul #843-2917;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msd7.i/7-03jun.b/bfb105.m
Meth Date : 03-Jun-2007 08:41 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		
8.260	8.232	0.028	95	710250			100.00- 100.00	100.00
8.260	8.232	0.028	50	141637			15.00- 40.00	19.94
8.260	8.232	0.028	75	343561			30.00- 60.00	48.37
8.260	8.232	0.028	96	48368			5.00- 9.00	6.81
8.260	8.232	0.028	173	0			0.00- 2.00	0.00
8.260	8.232	0.028	174	529600			50.00- 100.00	74.57
8.260	8.232	0.028	175	40905			5.00- 9.00	7.72
8.260	8.232	0.028	176	514608			95.00- 101.00	97.17
8.260	8.232	0.028	177	32822			5.00- 9.00	6.38

Data File: /var/chem/msd7.i/7-03jun.b/7060301.d

Date : 03-JUN-2007 08:45

Client ID: BFB

Instrument: msd7.i

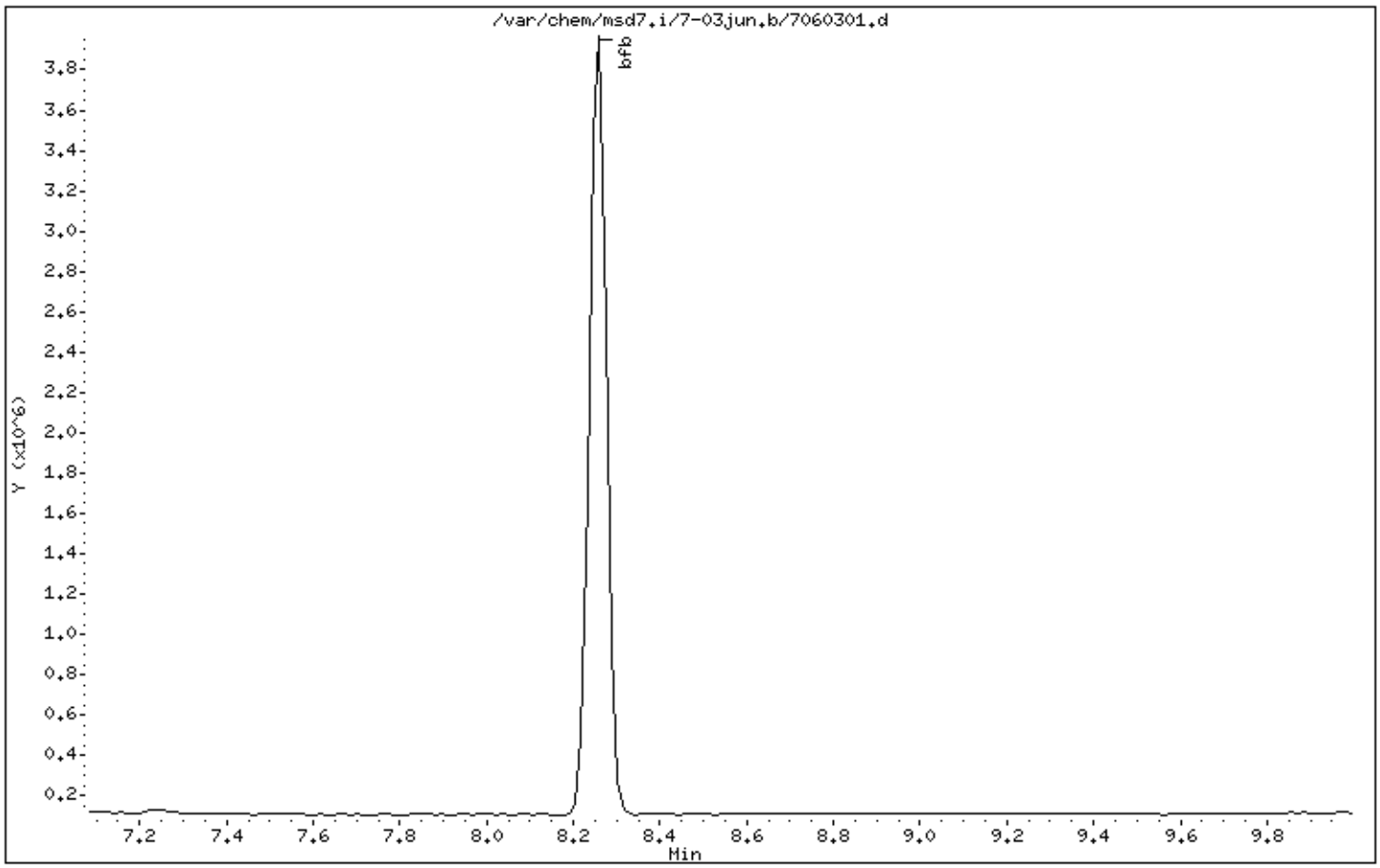
Sample Info: 2ul #843-2917;BFB Tune Check

Volume Injected (uL): 2.0

Operator: lmr

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd7.i/7-03jun.b/7060301.d

Date : 03-JUN-2007 08:45

Client ID: BFB

Instrument: msd7.i

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

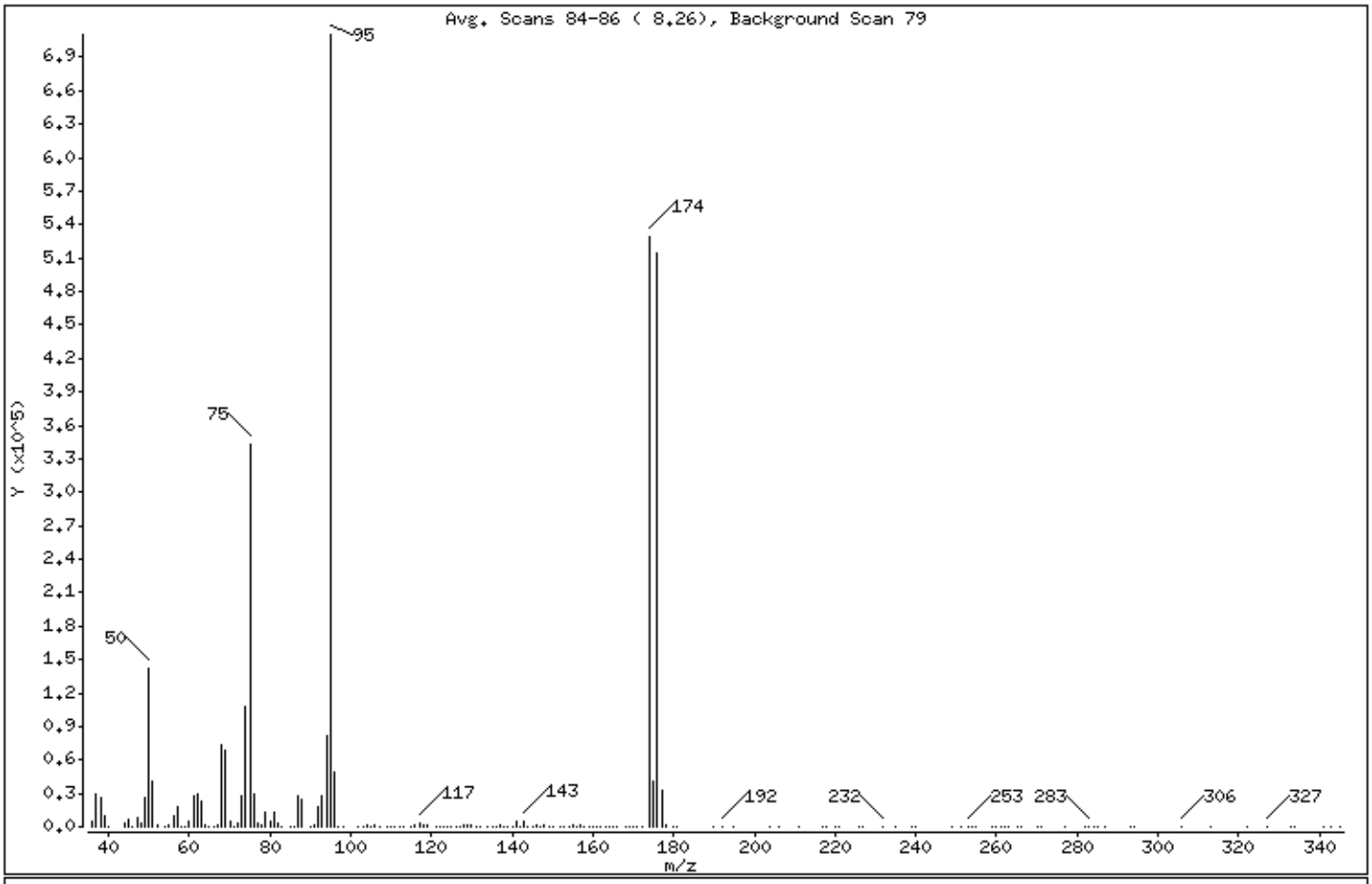
Volume Injected (uL): 2.0

Operator: lmr

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	19.94
75	30.00 - 60.00% of mass 95	48.37
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.57
175	5.00 - 9.00% of mass 174	5.76 (7.72)
176	95.00 - 101.00% of mass 174	72.45 (97.17)
177	5.00 - 9.00% of mass 176	4.62 (6.38)

Date : 03-JUN-2007 08:45

Client ID: BFB Instrument: msd7.i

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

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 7060301.d
Spectrum: Avg. Scans 84-86 (8.26), Background Scan 79
Location of Maximum: 95.00
Number of points: 176

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5440	86.00	616	139.00	133	217.00	50
37.00	29344	87.00	27768	140.00	392	218.00	11
38.00	26472	88.00	25216	141.00	5072	220.00	77
39.00	10295	90.00	62	142.00	599	221.00	64
40.00	173	91.00	1818	143.00	5264	226.00	67
44.00	2706	92.00	17576	144.00	207	227.00	55
45.00	6276	93.00	28136	145.00	276	232.00	163
46.00	390	94.00	81848	146.00	957	235.00	83
47.00	7352	95.00	710208	147.00	452	239.00	95
48.00	3654	96.00	48368	148.00	1208	240.00	92
49.00	26656	97.00	772	149.00	520	249.00	64
50.00	141632	98.00	265	150.00	594	251.00	38
51.00	41032	102.00	32	152.00	449	253.00	409
52.00	1826	103.00	515	153.00	533	254.00	142
54.00	51	104.00	2083	154.00	508	255.00	40
55.00	1879	105.00	561	155.00	1528	259.00	61
56.00	9167	106.00	2179	156.00	318	260.00	270
57.00	17760	107.00	506	157.00	1203	261.00	193
58.00	496	109.00	263	158.00	342	262.00	202
59.00	175	110.00	317	159.00	607	263.00	129
60.00	5270	111.00	370	160.00	52	265.00	129
61.00	28368	112.00	231	161.00	712	266.00	17
62.00	28992	113.00	383	162.00	55	270.00	59
63.00	22128	115.00	475	163.00	53	271.00	152
64.00	2085	116.00	1656	164.00	53	277.00	70
65.00	83	117.00	2982	165.00	170	282.00	222
66.00	61	118.00	1565	166.00	162	283.00	336
67.00	1601	119.00	2146	168.00	80	284.00	89
68.00	73608	121.00	120	169.00	209	285.00	108
69.00	68616	122.00	280	170.00	110	287.00	58
70.00	4628	123.00	261	171.00	359	293.00	9
71.00	277	124.00	476	172.00	633	294.00	104
72.00	2966	125.00	130	174.00	529600	306.00	181
73.00	27424	126.00	231	175.00	40904	313.00	58
74.00	107048	127.00	158	176.00	514560	322.00	33

Date : 03-JUN-2007 08:45

Client ID: BFB Instrument: msd7.i

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

Volume Injected (uL): 2.0 Operator: lmr

Column phase: Column diameter: 0.53

Data File: 7060301.d
Spectrum: Avg. Scans 84-86 (8.26), Background Scan 79
Location of Maximum: 95.00
Number of points: 176

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	343552	128.00	2025	177.00	32816	327.00	256
76.00	29032	129.00	999	178.00	846	333.00	68
77.00	3434	130.00	2313	180.00	118	334.00	32
78.00	2008	131.00	691	181.00	117	341.00	145
79.00	12373	132.00	54	190.00	72	343.00	210
80.00	4300	134.00	52	192.00	422	345.00	155
81.00	12603	135.00	612	195.00	312		
82.00	2927	136.00	24	204.00	68		
83.00	420	137.00	1080	206.00	352		
85.00	149	138.00	81	211.00	74		

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 #: 0705584
# of pages (Including Cover): 1

6/14/2007

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

The following discrepancy has been observed:

We have found a discrepancy between the Chain of Custody (COC) and the sample tags. The samples labeled AMS6 Upwind and AMS2 Downwind on the COC are labeled as 052407 AMS6 and 052407 AMS2 on the sample tags. ATL will report the sample identifications on the COC unless otherwise notified.

Your prompt response is appreciated.

0227

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

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

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

Page 1 of 1

Project Manager: Brian McCarthy / Karen Swartz
Collected by: (Print and Sign) T. Foster
Company: GEI Consultants Email:
Address: 455 Winding Br. Dr. City: Glastonbury State: CT Zip: 06033
Phone: 860 368 5300 Fax: 860 368 5307

Project Info:
P.O. #: ~~Bay State Southern Cell~~
Project #: 061140-8-1703
Project Name: Bay State Southern Cell

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: BS
Date: 5/30/07
Pressurization Gas: (N2) He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	AMS6 ~~Downwind~~ Upwind	33505	05/24/07	1630	TO-15 + napth			0.1"Hg	5.0 psi
02A	AMS2 Downwind	34403	05/24/07	1630	TO-15 + Napth			1.5"Hg	5.0 psi

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
[signature] 05/25/07 1700	T. LaFlesh-ATL 5/29/07 0840
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex	8617 5870 7526	NA	good	Yes No (None)	0705584

Form 1293 rev.11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0705584

Client

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

Phone

860-368-5300

Fax

860-368-5307

Date Promised: 06/12/07
Date Completed: 6/8/07
Date Received: 5/29/07
PO#: NR
Project#: 061140-8-1703 Bay Shore Southern Cell

Sales Rep: ANS

Total $: $ 624.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS6 Upwind	Modified TO-15	5/24/2007	0.0 "Hg	$225.00
02A	AMS2 Downwind	Modified TO-15	5/24/2007	7.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

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

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

Sample Discrepancy Report

Identification

Initiated By: MG **Date:** 5/29/07 **Discrepancy Type:** (circle all that apply) (I.) II. III.

Workorder(s) affected: 0705584 **Sample(s) affected:** all - 01A - 02A

I. Sample Receipt Discrepancies

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

Narration not required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☒ Flow controller used - canister samples received at ambient or under pressure. 01A = 0.0"Hg
- ☐ No brass cap on canister.
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm.

Narration Required:

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

Describe the Discrepancy: ID tag for 01A reads "052407AMS6" and 02A reads "052407AMS2"

II. Sample Receipt/Screening Discrepancies requiring CSR notification

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

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

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☐ Number of samples on the COC does not match the number of samples that were received.
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

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

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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 #: 0705584

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

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

☐	☑	☐	☐	☐ Lab Blank, CCV, LCS and DUP met QC criteria
☒	☑	☐	☐	☐ Hold time is met for all samples
	☑	☐	☐	☐ Appropriate data qualifier flags are applied
	NA	☐	☐	☐ Manual integrations for samples and QC are properly documented
☐	☑	☐		☐ Samples analyzed within the project or method specific clock (24hr)
	☑	☐		Retention times have been verified
☐	☑	☐		☐ Appropriate ICAL(s) included
	☑	☐	☐	☐ At least one result per sample is verified against the target quant sheets/raw data

☐	☑	☑		☐ Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☒	☑	☑		Correct amount of sample analyzed (i.e. sample not over-diluted)
	☐	☑		Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	NA		TICs resemble reference spectra
	NA	☐		TICs between duplicate samples are consistent
☐	☑	☐	NA	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	NA	☐		Special units for all samples in the final report are correctly calculated
	☐	☐	☐	Manually entered results checked (i.e. special CCV compounds)
	☑	☑	☑	TPH/NMOC (verify calculations and correct reference compound used)
	☑			Chain of Custody scanned correctly
		☐		Verify sample id's vs. chain of custody
☒	☑			Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☒	☑			Final pressure consistent with canister size (6L vs. 1L)
☒	☑			Verify receipt pressures against logbook and Target
☒	☑			Verify canister ID #'s
	NA	NA		Extra printed copies are provided per client profile
	☐	☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	NA	NA	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: ② out in CCV

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
Taylor 6-4-07	R: 6/6/07	10/8/07	
	T: 10/8/07		

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