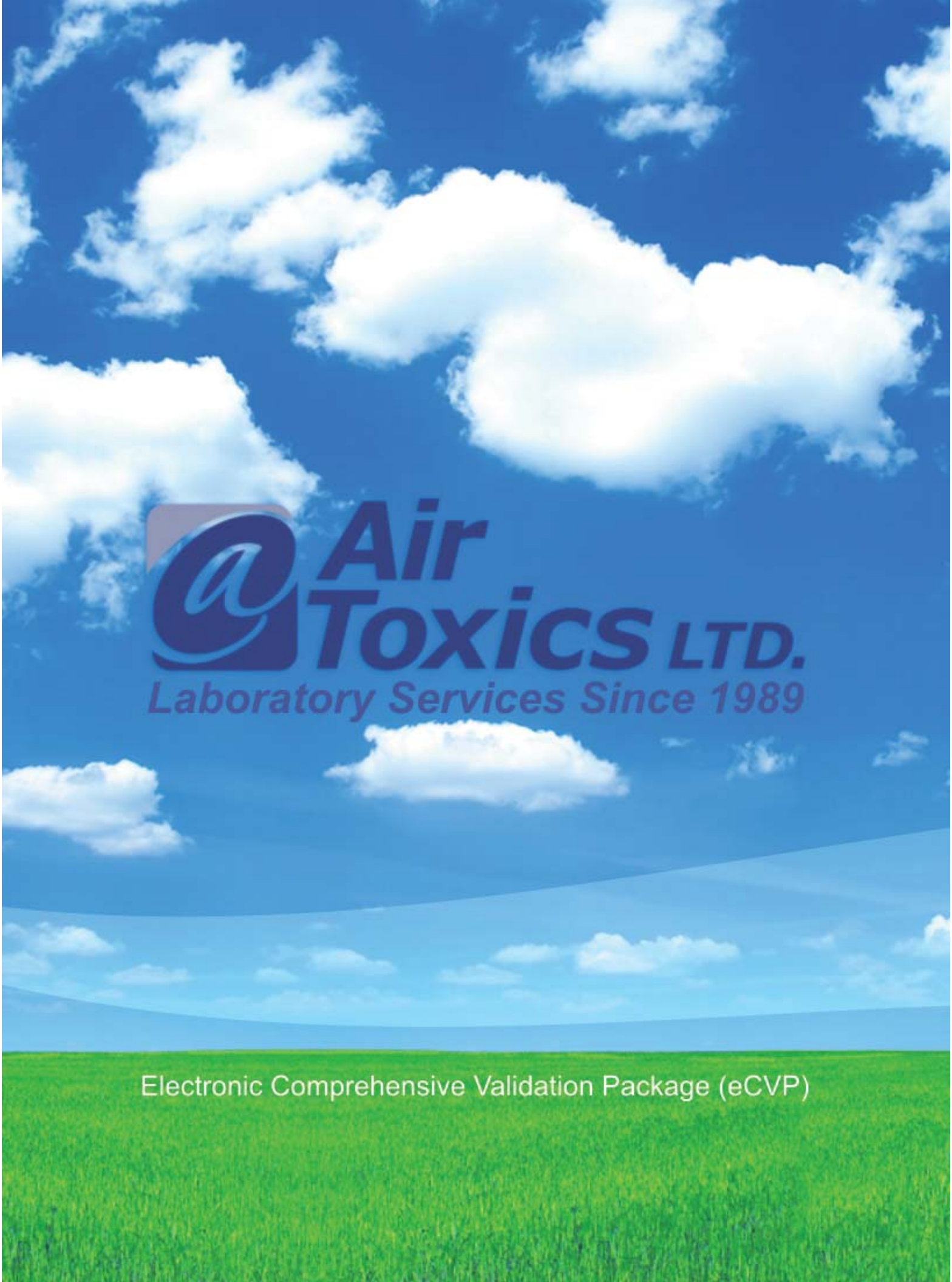
Appendix E

Phase I
RI Analytical Laboratory Reports


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 #: 1005453A

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	6/3/10
(Signature)	(Print Name & Title)	(Date)

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1005453A

Work Order Summary

CLIENT:	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007	**BILL TO:**	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007
PHONE:	425-519-8774	**P.O. #**	
FAX:	425-643-9827	**PROJECT #**	0907194.000.0601 Heglar - Kronquist
DATE RECEIVED:	05/19/2010	**CONTACT:**	Karen Lopez
DATE COMPLETED:	06/02/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	GV-9	Modified TO-15	9.0 "Hg	5 psi
02A	GV-10	Modified TO-15	9.0 "Hg	5 psi
03A	GV-11	Modified TO-15	8.4 "Hg	5 psi
04A(on hold)	GV-12	Modified TO-15	14.0 "Hg	5 psi
05A	GV-13	Modified TO-15	8.6 "Hg	5 psi
06A(on hold)	ALF-1	Modified TO-15	10.0 "Hg	5 psi
07A(on hold)	ALF-2	Modified TO-15	3.6 "Hg	5 psi
08A(on hold)	ALF-3	Modified TO-15	10.2 "Hg	5 psi
09A(on hold)	ALF-4	Modified TO-15	11.0 "Hg	5 psi
10A(on hold)	ALF-5	Modified TO-15	10.0 "Hg	5 psi
11A(on hold)	AOS-1	Modified TO-15	9.0 "Hg	5 psi
12A(on hold)	AOS-2	Modified TO-15	9.2 "Hg	5 psi
13A(on hold)	AOS-3	Modified TO-15	6.8 "Hg	5 psi
14A	GV-1	Modified TO-15	9.8 "Hg	5 psi
14AA	GV-1 Lab Duplicate	Modified TO-15	9.8 "Hg	5 psi
15A	GV-6	Modified TO-15	10.0 "Hg	5 psi
16A	GV-7	Modified TO-15	8.8 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1005453A

Work Order Summary

CLIENT:	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007	**BILL TO:**	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007
PHONE:	425-519-8774	**P.O. #**	
FAX:	425-643-9827	**PROJECT #**	0907194.000.0601 Heglar - Kronquist
DATE RECEIVED:	05/19/2010	**CONTACT:**	Karen Lopez
DATE COMPLETED:	06/02/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
17A	Lab Blank	Modified TO-15	NA	NA
17B	Lab Blank	Modified TO-15	NA	NA
18A	CCV	Modified TO-15	NA	NA
18B	CCV	Modified TO-15	NA	NA
19A	LCS	Modified TO-15	NA	NA
19B	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 06/02/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
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
Exponent
Workorder# 1005453A

Sixteen 6 Liter Summa Canister samples were received on May 19, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

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

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

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

Receiving Notes

Samples GV-12, ALF-1, ALF-2, ALF-3, ALF-4, ALF-5, AOS-1, AOS-2 and AOS-3 were placed on hold per the client's request.

The number of samples received did not match the information on the Chain of Custody (COC). Samples GV9, GV10 and PCB Trip Blank were not received at Air Toxics Ltd. despite notation on the COC.

Analytical Notes

The results for TPH gasoline were reported as not-detected in all samples since the chromatographic profiles were not consistent with a gasoline pattern.

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
GV-9	1005453A-01A	5/16/2010	5/19/2010	NA	11	5/27/2010	NA	Good
GV-10	1005453A-02A	5/16/2010	5/19/2010	NA	11	5/27/2010	NA	Good
GV-11	1005453A-03A	5/16/2010	5/19/2010	NA	11	5/27/2010	NA	Good
GV-13	1005453A-05A	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-1	1005453A-14A	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-1 Lab Duplicate	1005453A-14AA	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-6	1005453A-15A	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-7	1005453A-16A	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
Lab Blank	1005453A-17A	NA	NA	NA	NA	5/27/2010	NA	Good
Lab Blank	1005453A-17B	NA	NA	NA	NA	5/28/2010	NA	Good
CCV	1005453A-18A	NA	NA	NA	NA	5/27/2010	NA	Good
CCV	1005453A-18B	NA	NA	NA	NA	5/28/2010	NA	Good
LCS	1005453A-19A	NA	NA	NA	NA	5/27/2010	NA	Good
LCS	1005453A-19B	NA	NA	NA	NA	5/28/2010	NA	Good

Sample Results and Raw Data

Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-9

Lab ID#: 1005453A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	3.8	23	7.9	48
Chloroethane	0.96	3.7	2.5	9.8
Acetone	3.8	27	9.1	64
Methylene Chloride	0.96	32	3.3	110
2-Butanone (Methyl Ethyl Ketone)	0.96	5.0	2.8	15
Tetrahydrofuran	0.96	7.7	2.8	23
Toluene	0.96	1.5	3.6	5.6

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Laboratory Services Since 1989

Client Sample ID: GV-9

Lab ID#: 1005453A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052723**	**Date of Collection:**	**5/16/10 11:41:00 AM**
Dil. Factor:	**1.91**	**Date of Analysis:**	**5/27/10 11:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Chloromethane	3.8	23	7.9	48
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	3.7	2.5	9.8
Freon 11	0.96	Not Detected	5.4	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Acetone	3.8	27	9.1	64
2-Propanol	3.8	Not Detected	9.4	Not Detected
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
Methylene Chloride	0.96	32	3.3	110
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	5.0	2.8	15
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Tetrahydrofuran	0.96	7.7	2.8	23
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Heptane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
Toluene	0.96	1.5	3.6	5.6
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-9

Lab ID#: 1005453A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052723**	**Date of Collection:**	**5/16/10 11:41:00 AM**
Dil. Factor:	**1.91**	**Date of Analysis:**	**5/27/10 11:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	Not Detected	6.5	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
TPH ref. to Gasoline (MW=100)	19	Not Detected	78	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/27may10.b/3052723.d
Lab Smp Id: 1005453A-01A
Inj Date : 27-MAY-2010 23:12
Operator : ww Inst ID: msd3.i
Smp Info : 200mL #3748
Misc Info : 9.0"Hg-5psi
Comment :
Method : /var/chem/msd3.i/27may10.b/310q0520a.m
Meth Date : 27-May-2010 10:51 abarton Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.845	4.845 (1.000)	130	240436	25.0000		80.00- 120.00	100.00
4.845	4.845 (1.000)	128	187413			28.10- 128.10	77.95
4.845	4.845 (1.000)	49	337648			81.21- 181.21	140.43
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	821578	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	132485			0.00- 66.01	16.13
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.226	8.240 (1.000)	117	737436	25.0000		80.00- 120.00	100.00
8.226	8.240 (1.000)	82	411721			6.08- 106.08	55.83
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.114)	65	300500	22.8643	22.864	80.00- 120.00	100.00
5.397	5.397 (1.114)	67	165479			4.53- 104.53	55.07
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.994	7.001 (1.214)	98	820185	25.9125	25.912	80.00- 120.00	100.00
6.994	7.001 (1.214)	70	94224			0.00- 61.77	11.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.994	7.001 (1.214)	100	553630			17.54- 117.54	67.50
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.215	9.236 (1.120)	174	369736	24.4000	24.400	80.00- 120.00	100.00
9.215	9.236 (1.120)	95	526132			89.80- 189.80	142.30
9.215	9.236 (1.120)	176	359850			47.30- 147.30	97.33
11 Chloromethane					CAS #: 74-87-3		
1.493	1.479 (0.308)	50	54090	12.1149	23.140	80.00- 120.00	100.00
1.493	1.479 (0.308)	52	17251			0.00- 89.83	31.89
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.406)	64	10853	1.94854	3.722	80.00- 120.00	100.00
1.968	1.968 (0.406)	66	1978			0.00- 91.47	18.23
1.982	1.968 (0.409)	49	4101			0.00- 76.92	37.79
34 Acetone					CAS #: 67-64-1		
2.811	2.811 (0.580)	58	64557	14.0438	26.824	80.00- 120.00	100.00
2.818	2.811 (0.582)	43	211272			294.99- 394.99	327.26
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.291 (0.681)	49	180200	16.5658	31.641	80.00- 120.00	100.00
3.298	3.298 (0.681)	84	143009			30.55- 130.55	79.36
3.298	3.298 (0.681)	51	58416			0.00- 78.00	32.42
74 2-Butanone					CAS #: 78-93-3		
4.645	4.637 (0.959)	72	16036	2.60428	4.974	80.00- 120.00	100.00
4.645	4.637 (0.959)	43	67226			367.38- 467.38	419.22
4.645	4.637 (0.959)	57	5979			0.00- 82.47	37.28
75 Tetrahydrofuran					CAS #: 109-99-9		
4.852	4.845 (1.001)	42	59666	4.01754	7.674	80.00- 120.00	100.00
4.852	4.845 (1.001)	71	24947			0.00- 85.96	41.81
4.852	4.845 (1.001)	72	24329			0.00- 88.91	40.78
116 Toluene					CAS #: 108-88-3		
7.051	7.059 (1.224)	91	28787	0.78088	1.491	80.00- 120.00	100.00
7.044	7.051 (1.223)	92	14682			10.41- 110.41	51.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052723.d
Lab Smp Id: 1005453A-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ww
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 9.0"Hg-5psi

Calibration Date: 27-MAY-2010
Calibration Time: 09:24
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258488	155093	361883	240436	-6.98
97 1,4-Difluorobenze	894304	536582	1252026	821578	-8.13
144 Chlorobenzene-d5	791587	474952	1108222	737436	-6.84

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.23	-0.17

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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 27may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-01A
Level: LOW Operator: ww
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 9.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	22.864	91.46	70-130
$ 115 Toluene-d8	25.000	25.912	103.65	70-130
$ 159 Bromofluorobenzene	25.000	24.400	97.60	70-130

Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

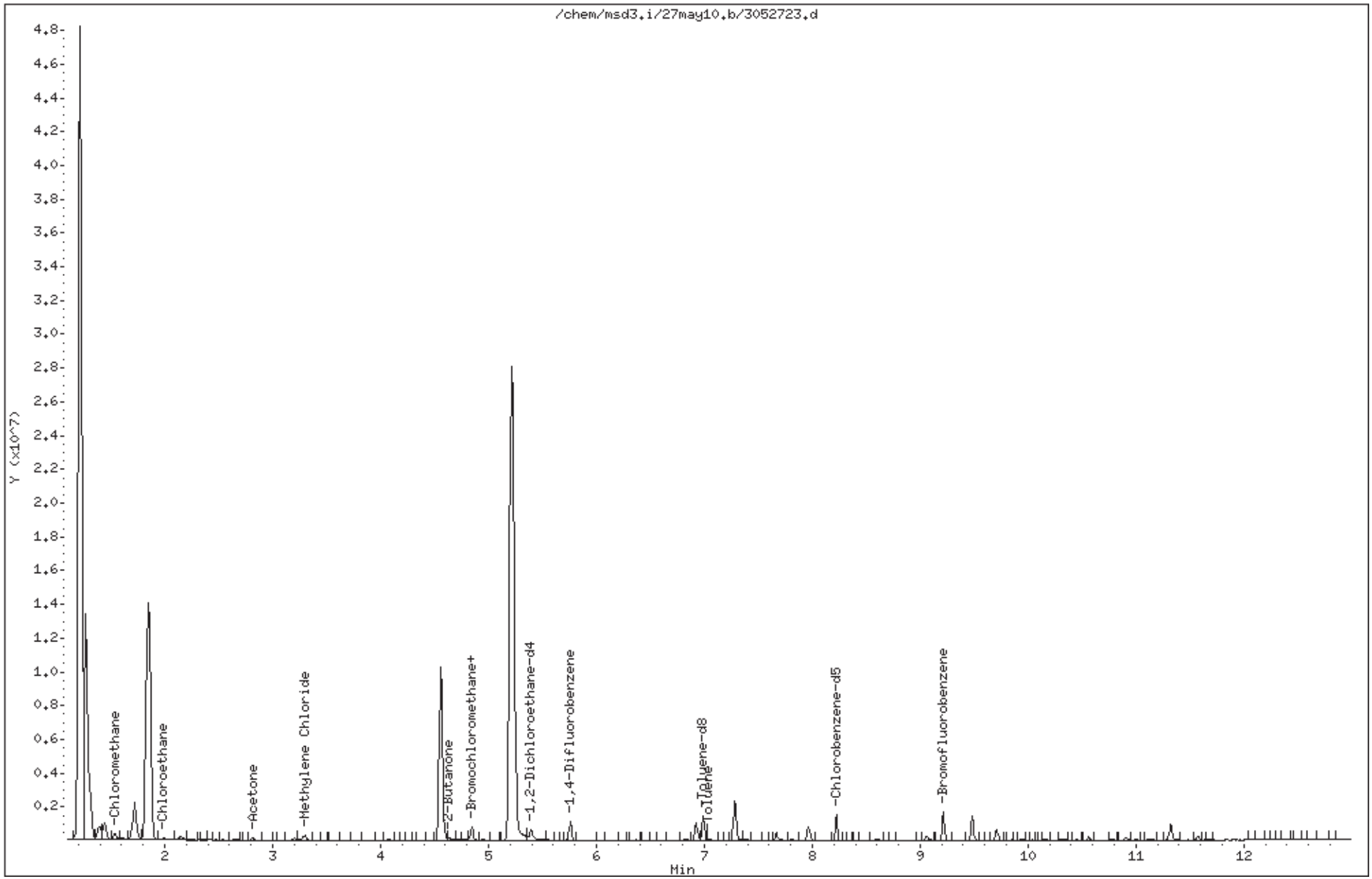
Instrument: msd3.i

Sample Info: 200mL #3748

Operator: ww

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

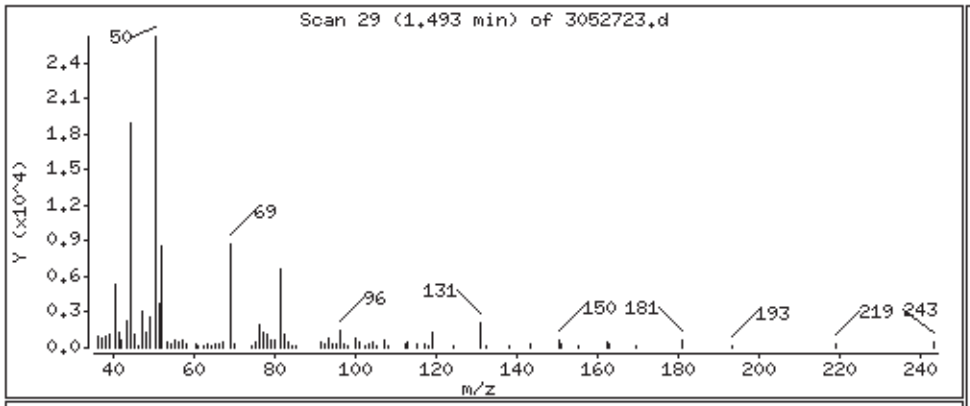
Operator: ww

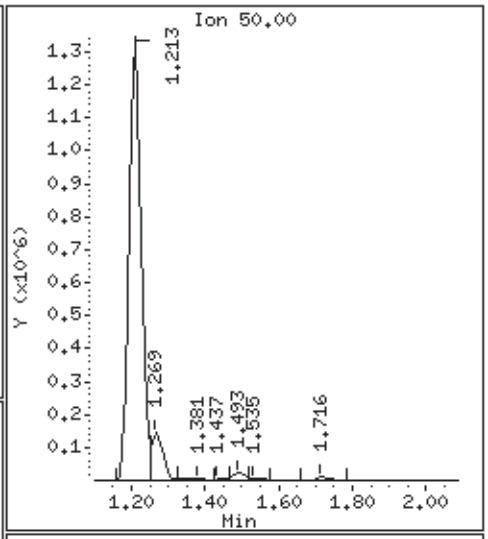
Column phase: RTx-624

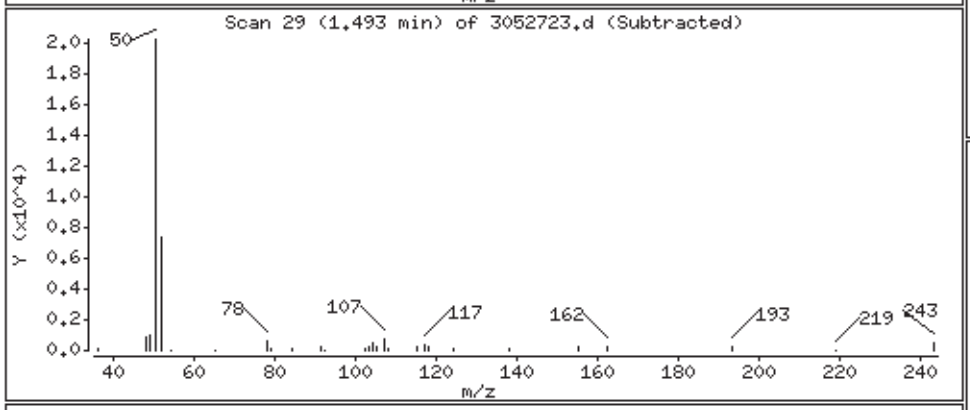
Column diameter: 0.53

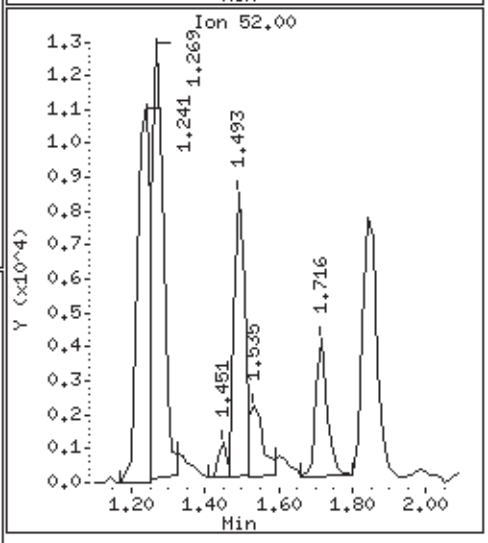
11 Chloromethane

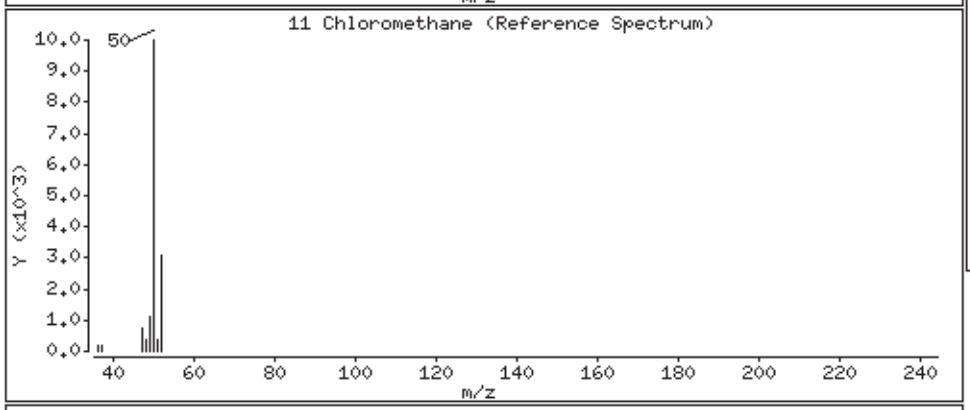
Concentration: 23.140 PPBV

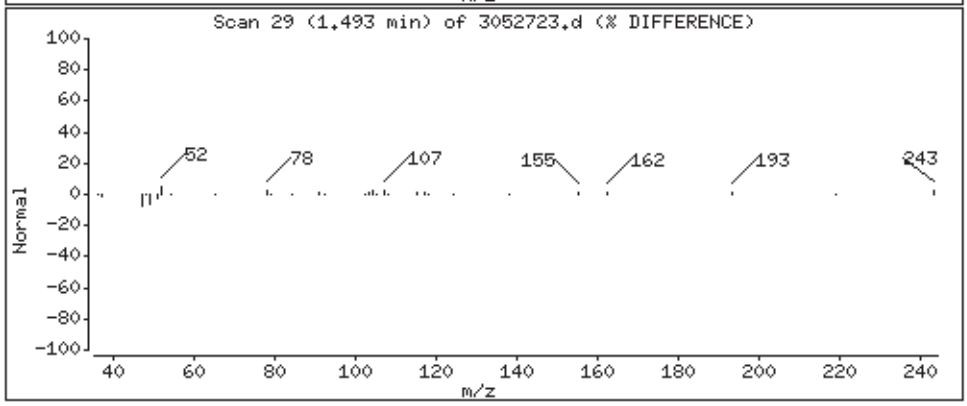












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

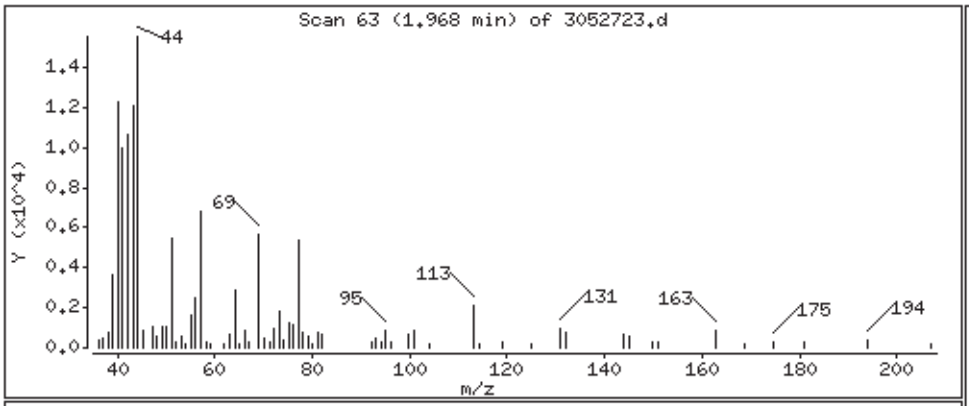
Operator: ww

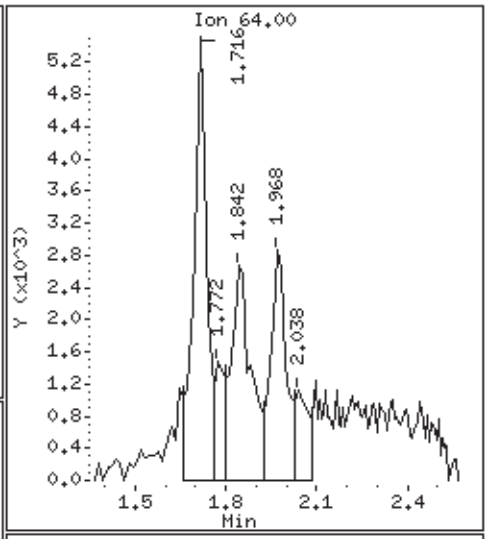
Column phase: RTx-624

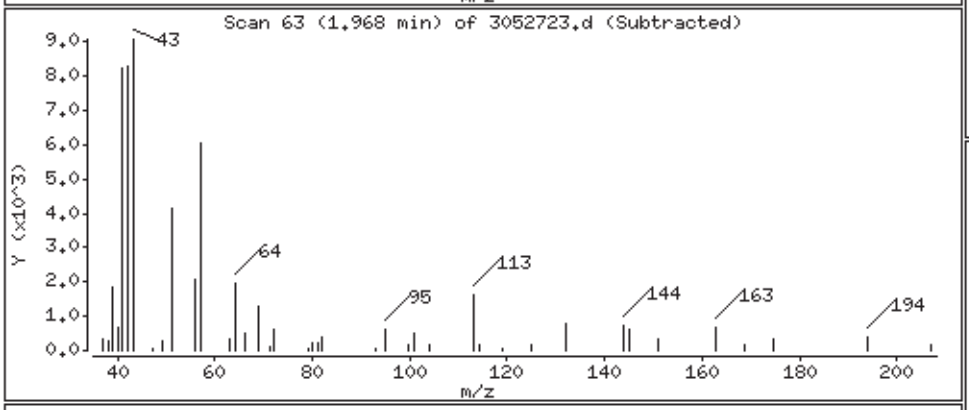
Column diameter: 0.53

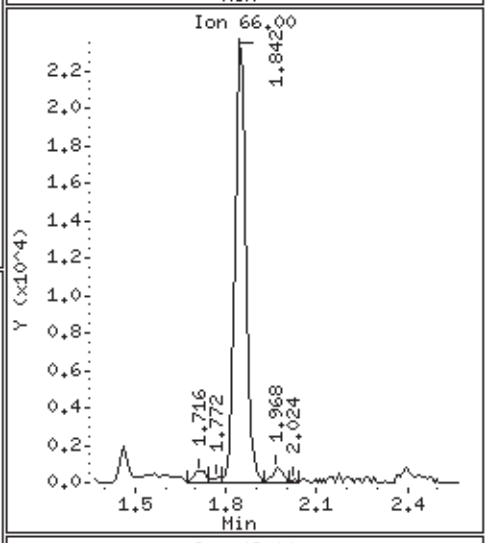
24 Chloroethane

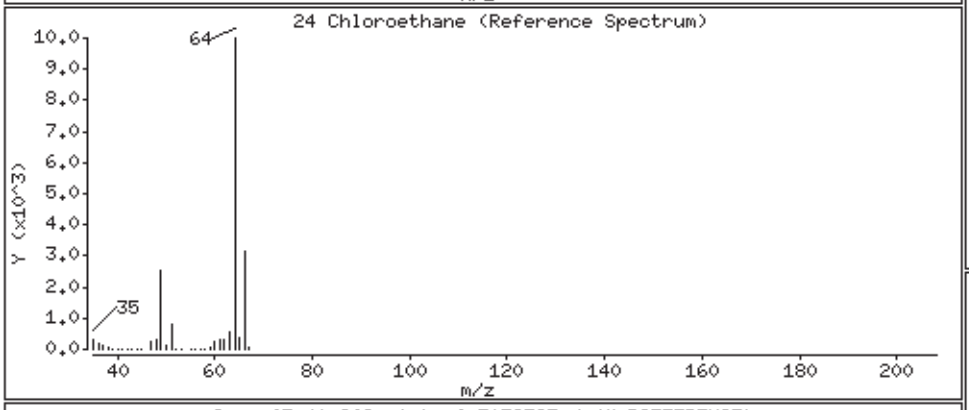
Concentration: 3.722 PPBV

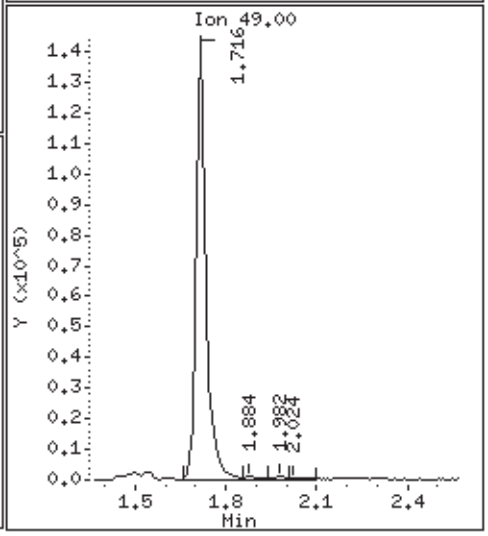


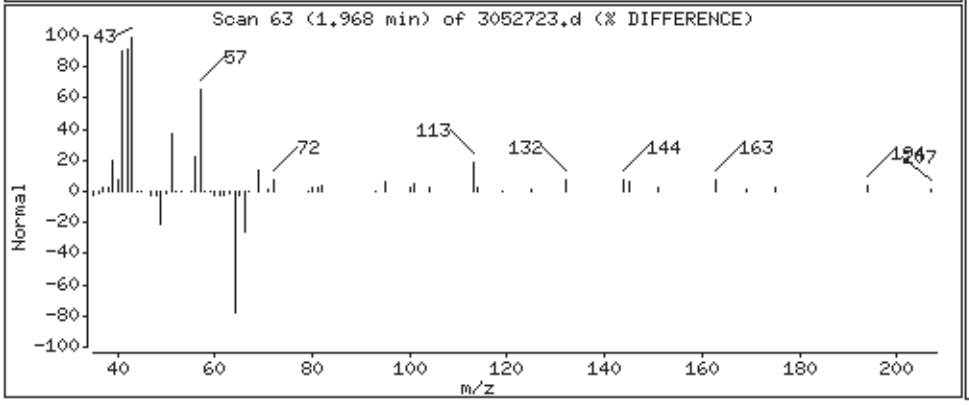












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

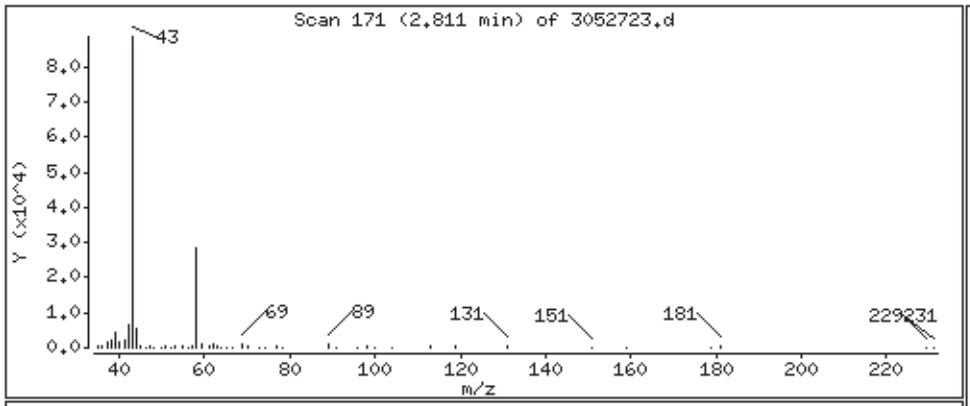
Operator: ww

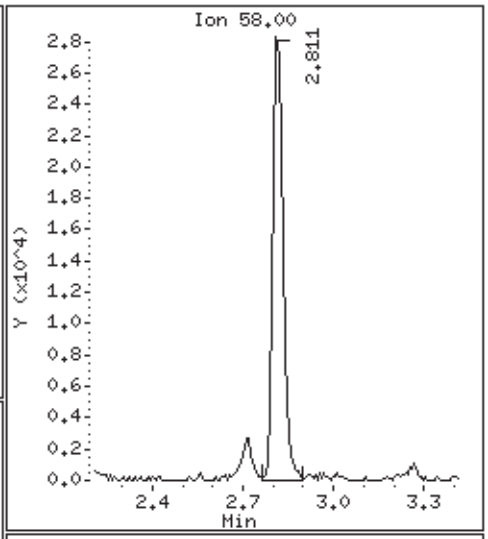
Column phase: RTx-624

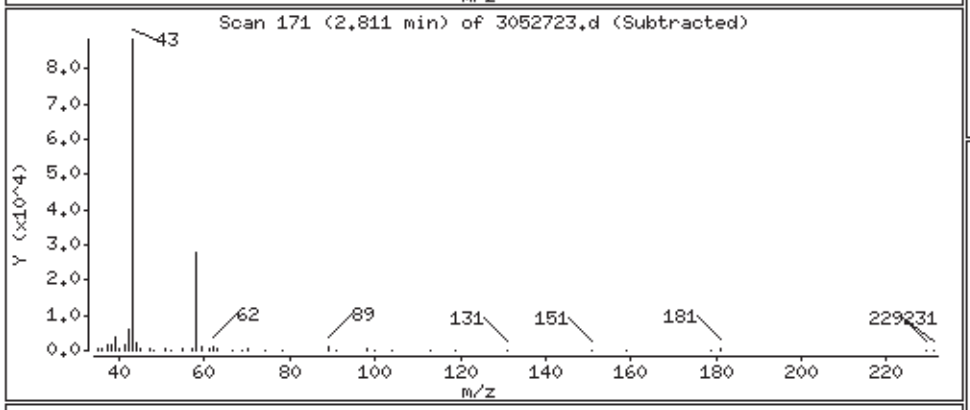
Column diameter: 0.53

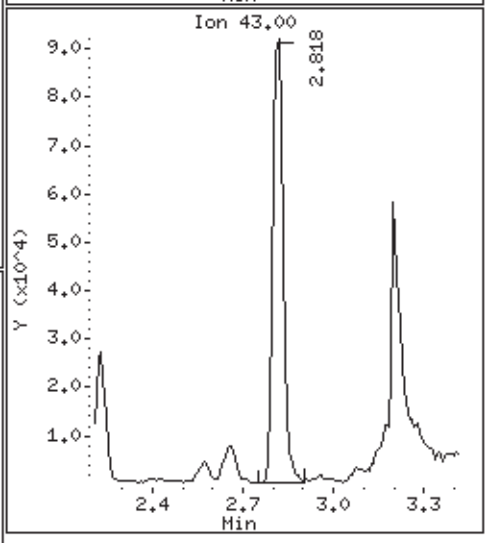
34 Acetone

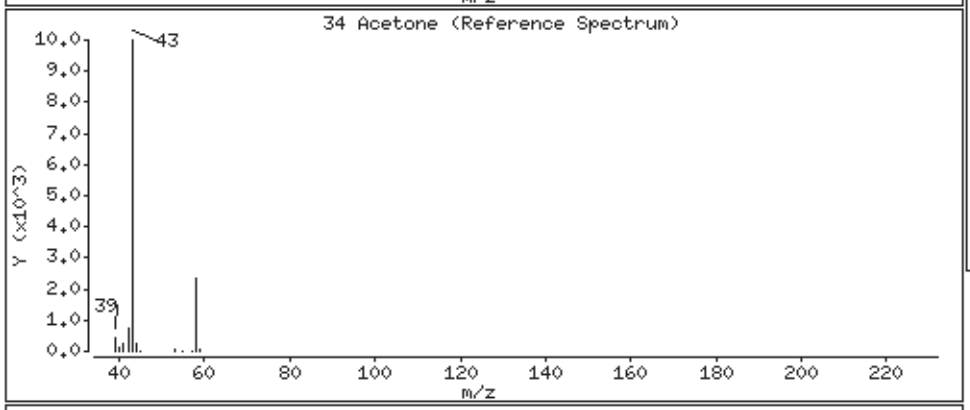
Concentration: 26.824 PPBV

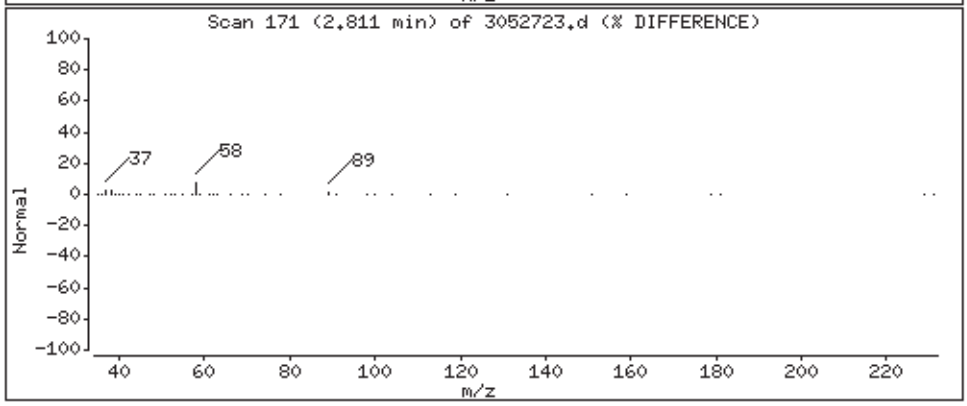












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

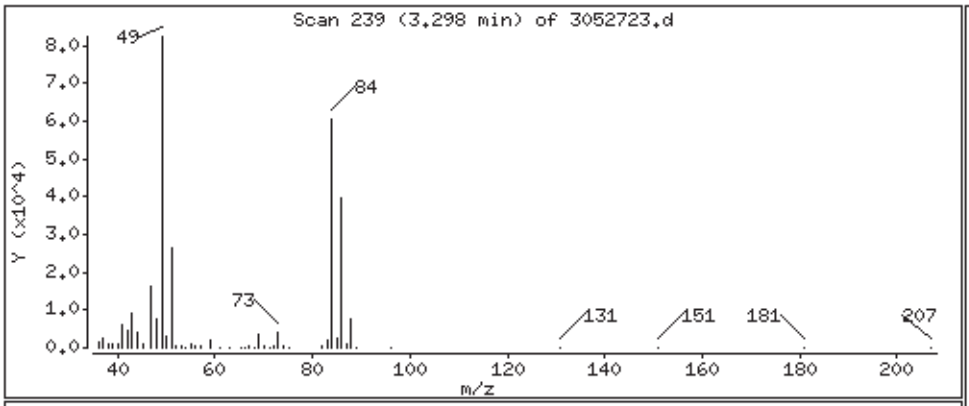
Operator: ww

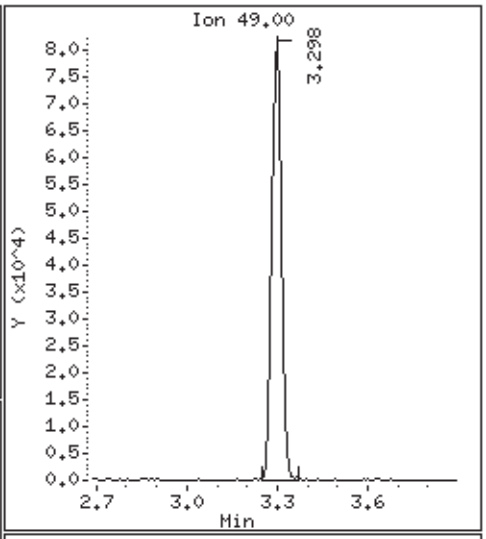
Column phase: RTx-624

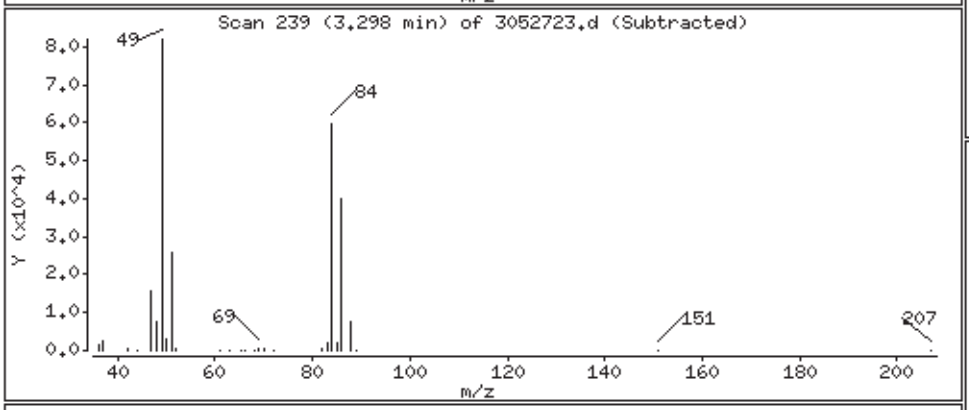
Column diameter: 0.53

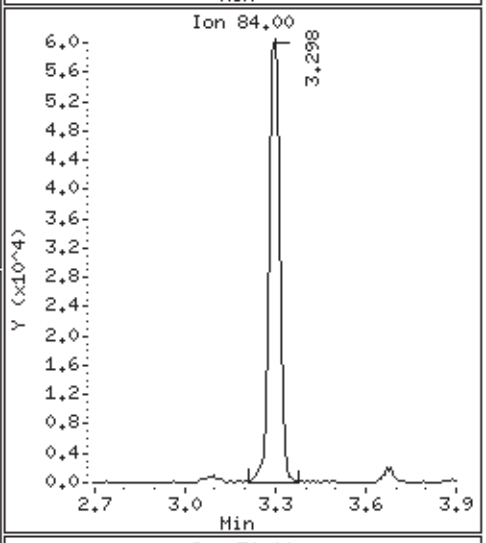
43 Methylene Chloride

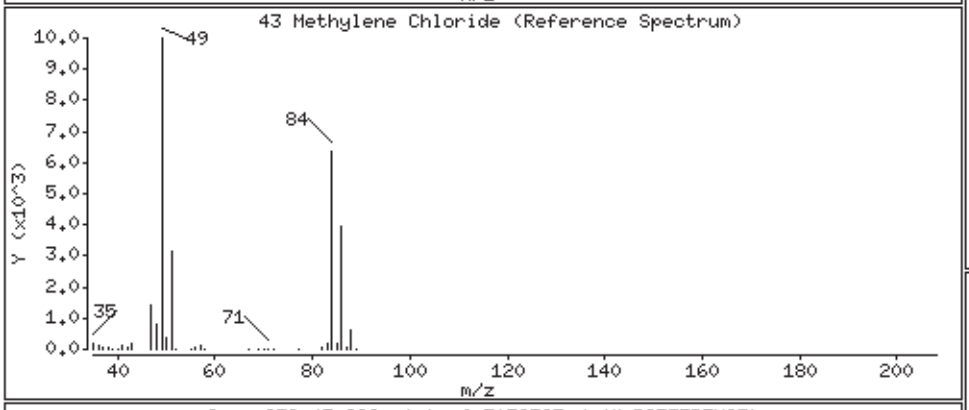
Concentration: 31.641 PPBV

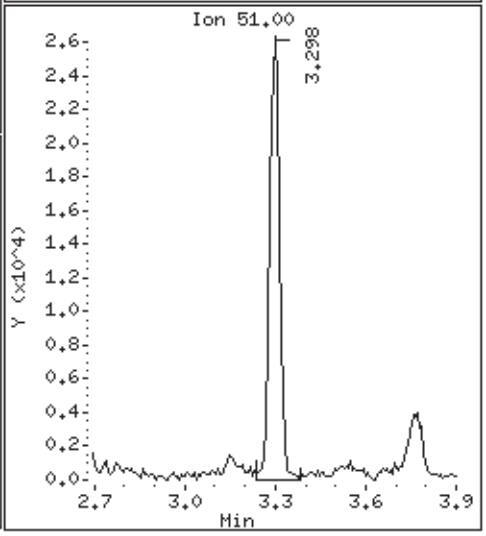


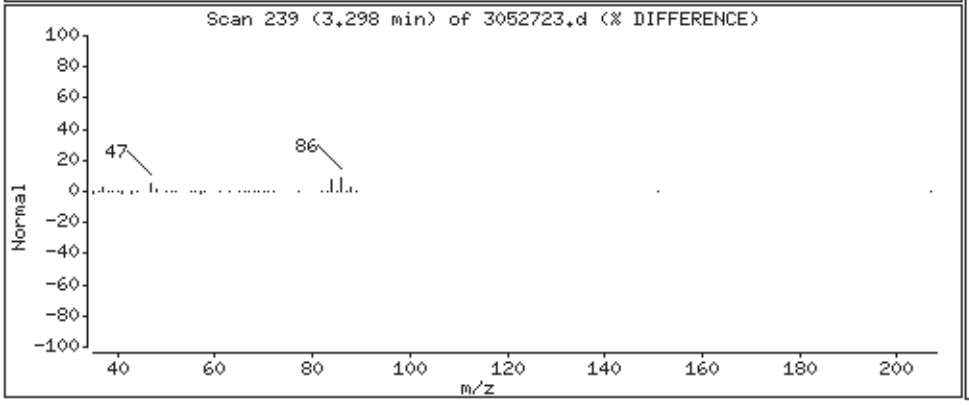












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

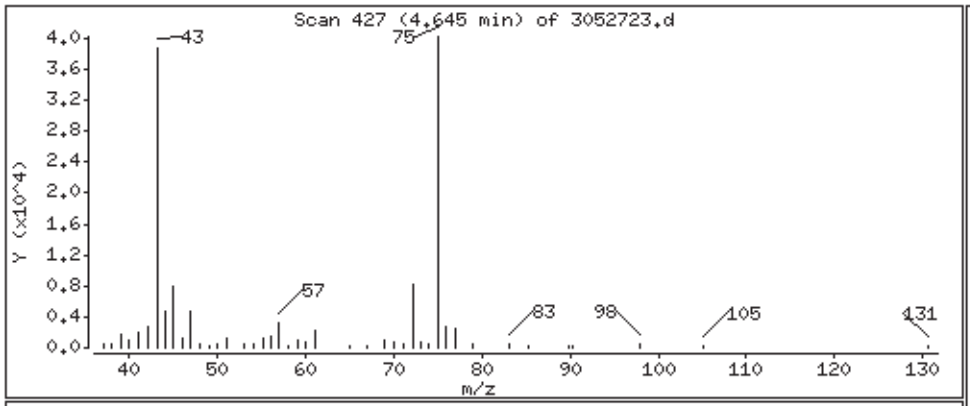
Operator: ww

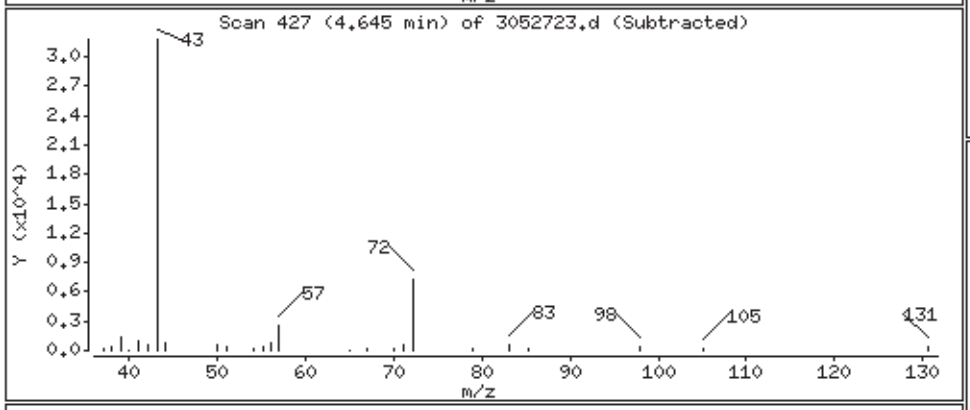
Column phase: RTx-624

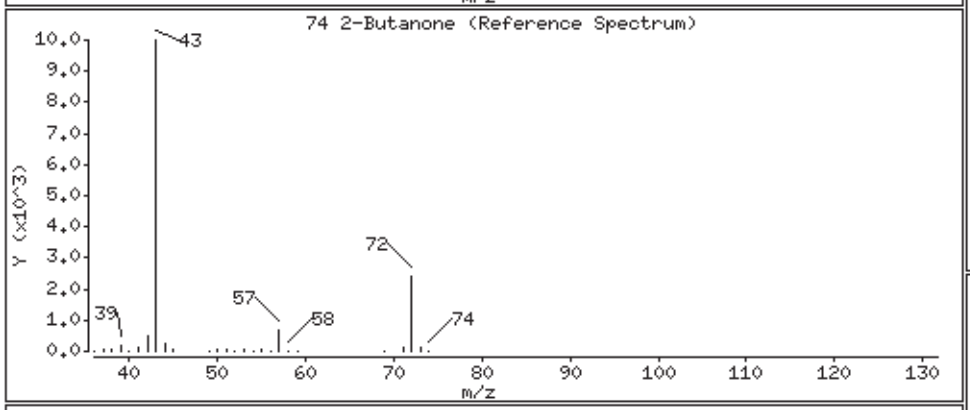
Column diameter: 0.53

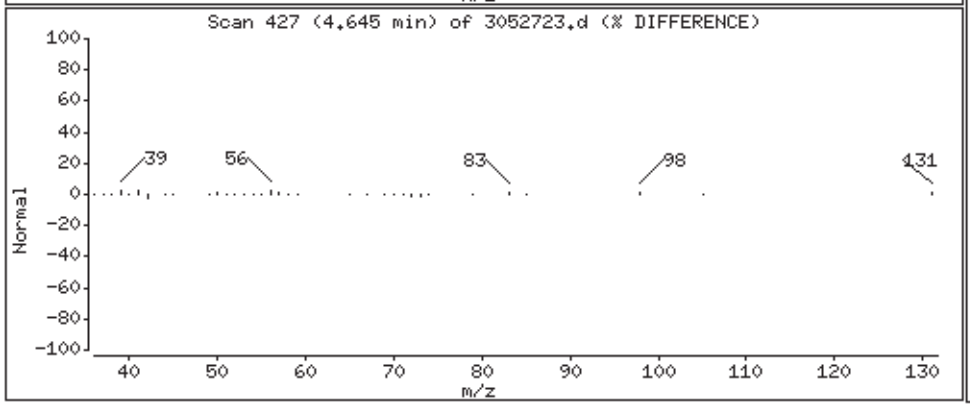
74 2-Butanone

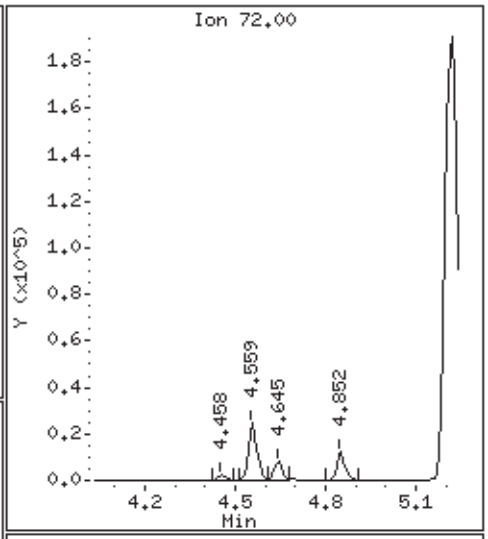
Concentration: 4.974 PPBV

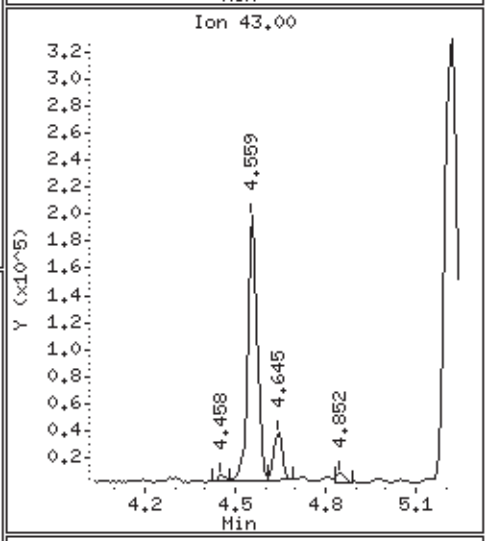


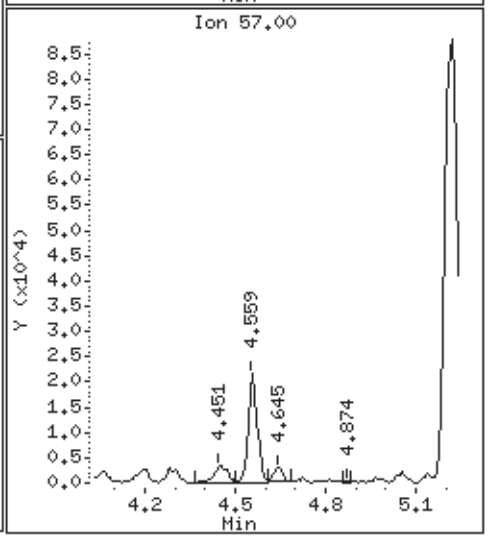












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

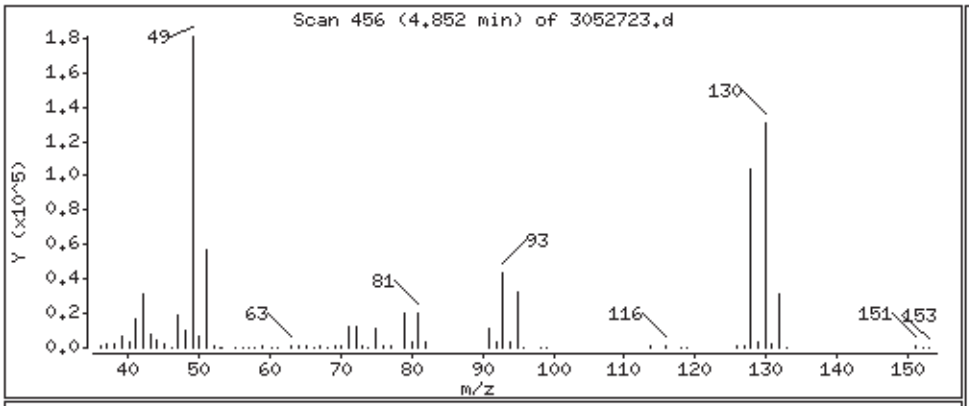
Operator: ww

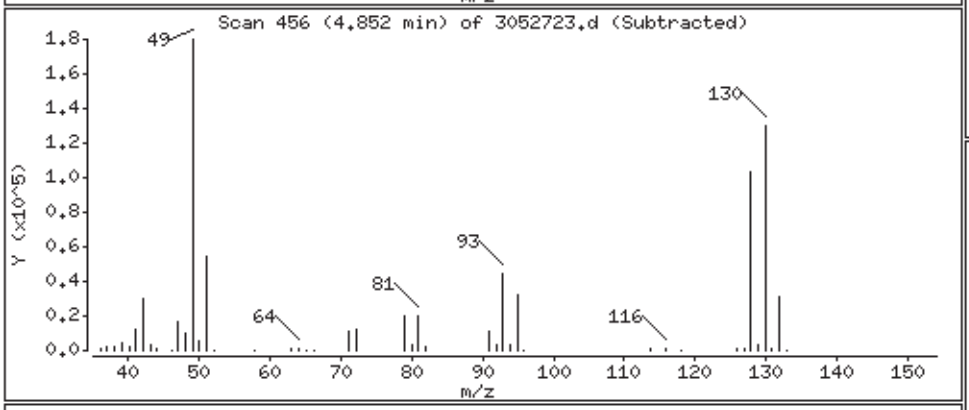
Column phase: RTx-624

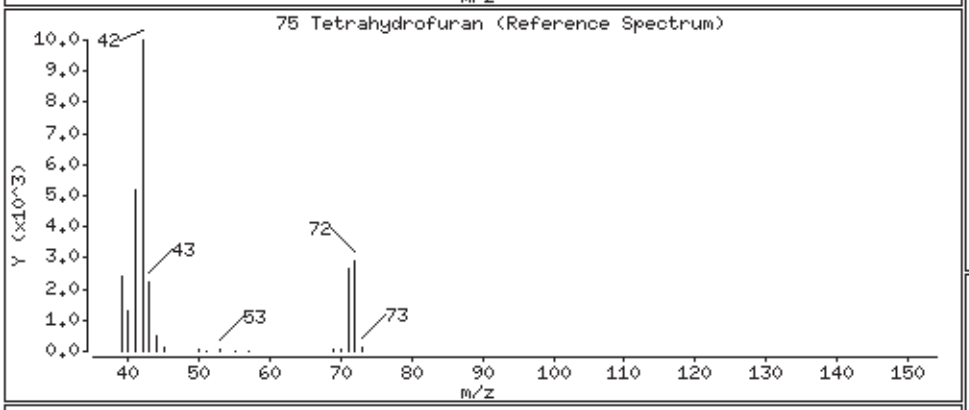
Column diameter: 0.53

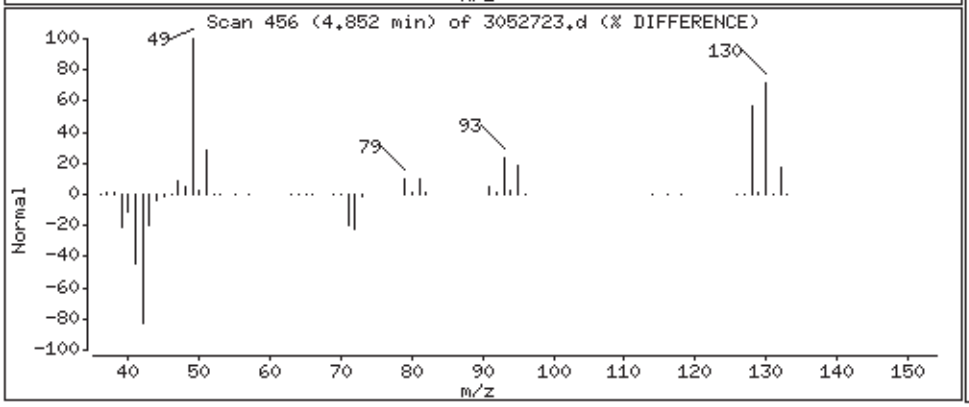
75 Tetrahydrofuran

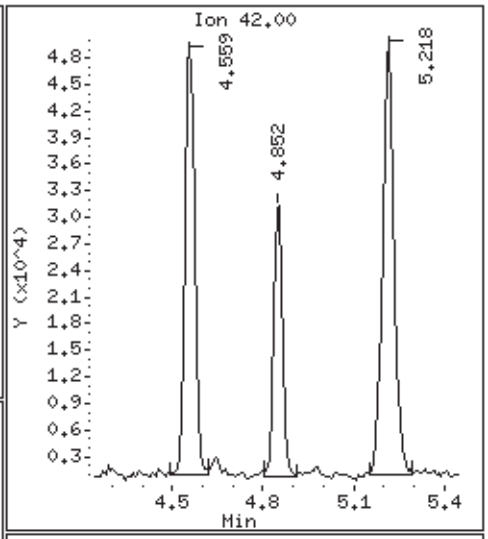
Concentration: 7.674 PPBV

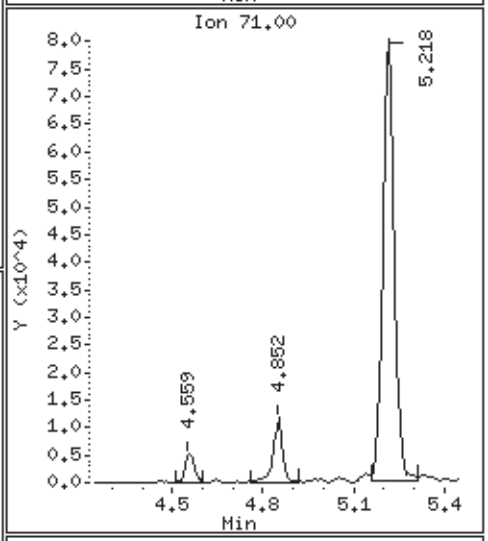


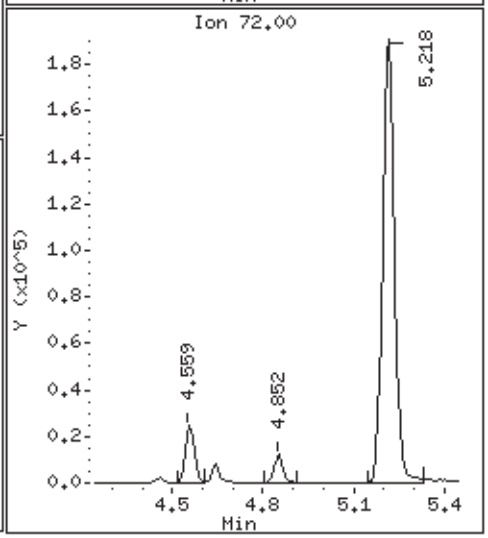












Data File: /chem/msd3.i/27may10.b/3052723.d

Date : 27-MAY-2010 23:12

Client ID:

Instrument: msd3.i

Sample Info: 200mL #3748

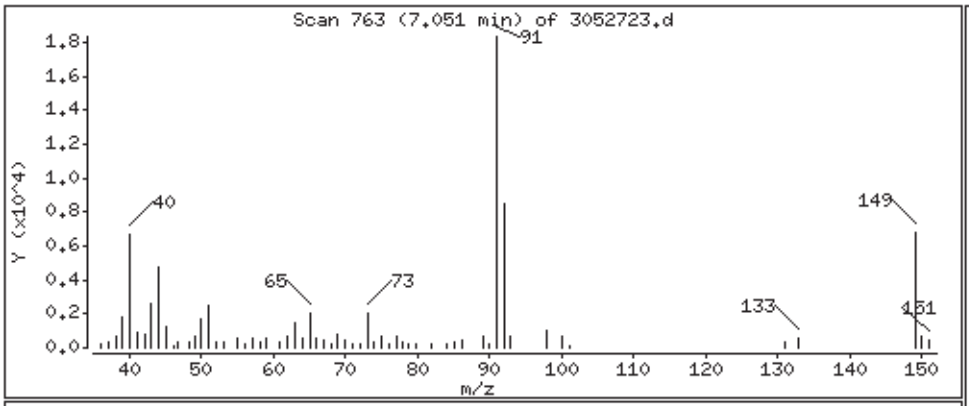
Operator: ww

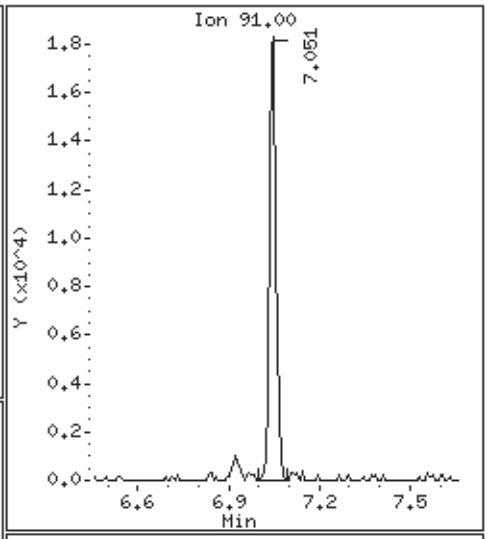
Column phase: RTx-624

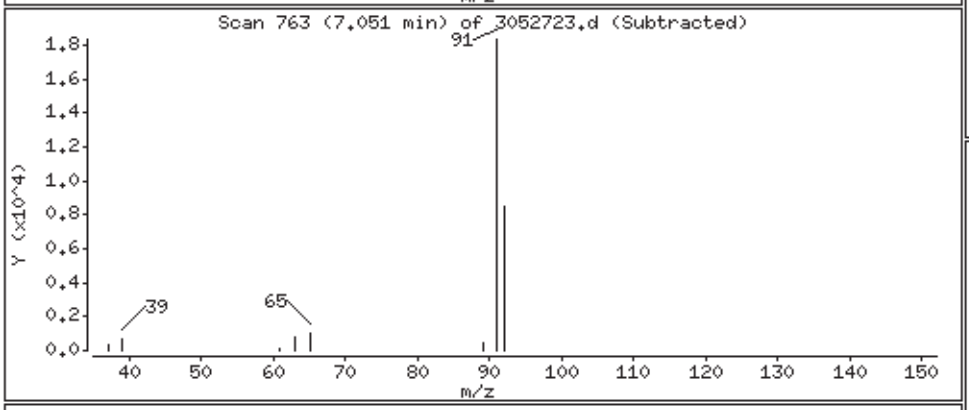
Column diameter: 0.53

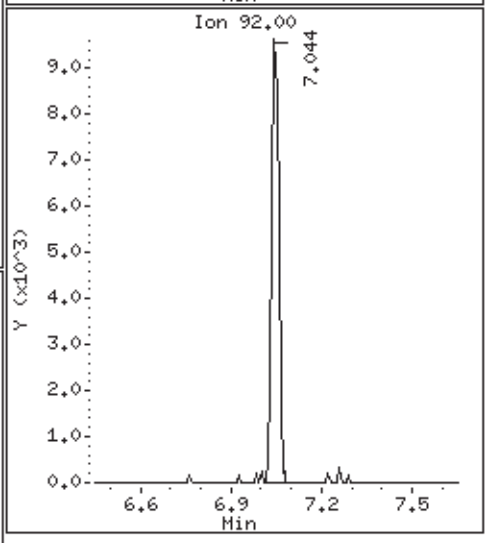
116 Toluene

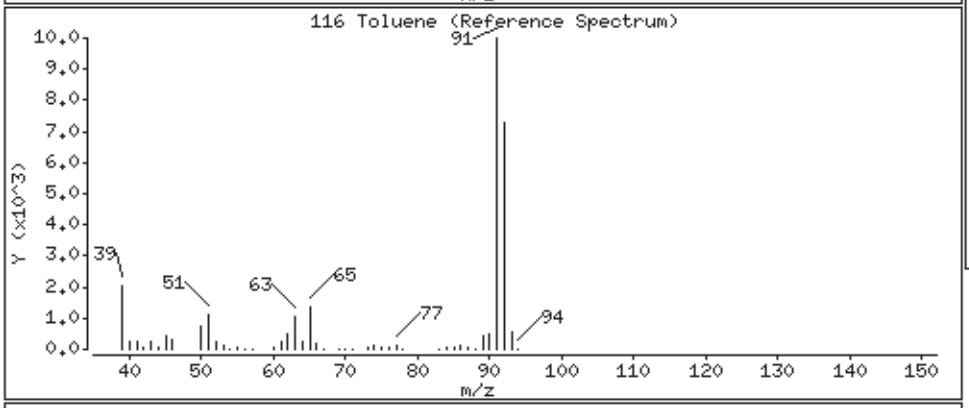
Concentration: 1.491 PPBV

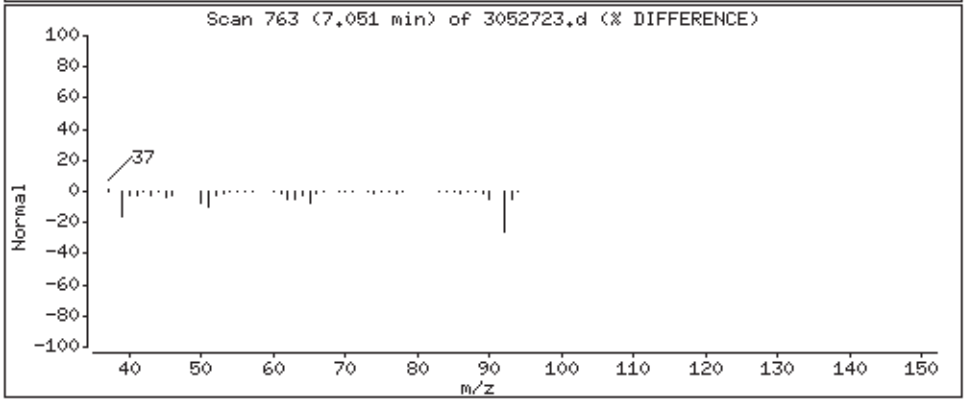












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-10

Lab ID#: 1005453A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	3.8	16	7.9	33
Chloroethane	0.96	4.7	2.5	12
Acetone	3.8	12	9.1	28
Methylene Chloride	0.96	53	3.3	180
Hexane	0.96	1.5	3.4	5.3
2-Butanone (Methyl Ethyl Ketone)	0.96	3.0	2.8	8.8
Tetrahydrofuran	0.96	5.5	2.8	16
Benzene	0.96	1.1	3.0	3.4
Toluene	0.96	1.3	3.6	4.9

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-10

Lab ID#: 1005453A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052724**	**Date of Collection:**	**5/16/10 11:42:00 AM**
Dil. Factor:	**1.91**	**Date of Analysis:**	**5/27/10 11:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Chloromethane	3.8	16	7.9	33
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	4.7	2.5	12
Freon 11	0.96	Not Detected	5.4	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Acetone	3.8	12	9.1	28
2-Propanol	3.8	Not Detected	9.4	Not Detected
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
Methylene Chloride	0.96	53	3.3	180
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Hexane	0.96	1.5	3.4	5.3
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	3.0	2.8	8.8
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Tetrahydrofuran	0.96	5.5	2.8	16
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Benzene	0.96	1.1	3.0	3.4
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Heptane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
Toluene	0.96	1.3	3.6	4.9
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-10

Lab ID#: 1005453A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052724**	**Date of Collection: 5/16/10 11:42:00 AM**	
Dil. Factor:	**1.91**	**Date of Analysis: 5/27/10 11:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	Not Detected	6.5	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
TPH ref. to Gasoline (MW=100)	19	Not Detected	78	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/27may10.b/3052724.d
Lab Smp Id: 1005453A-02A
Inj Date : 27-MAY-2010 23:35
Operator : ww Inst ID: msd3.i
Smp Info : 200mL #13667
Misc Info : 9.0"Hg-5psi
Comment :
Method : /var/chem/msd3.i/27may10.b/310q0520a.m
Meth Date : 27-May-2010 10:51 abarton Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane						CAS #: 74-97-5	
4.838	4.845 (1.000)	130	214408	25.0000		80.00- 120.00	100.00
4.838	4.845 (1.000)	128	167140			28.10- 128.10	77.95
4.838	4.845 (1.000)	49	309135			81.21- 181.21	144.18
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
5.748	5.762 (1.000)	114	762589	25.0000		80.00- 120.00	100.00
5.748	5.762 (1.000)	88	126019			0.00- 66.01	16.53
* 144 Chlorobenzene-d5						CAS #: 3114-55-4	
8.219	8.240 (1.000)	117	672443	25.0000		80.00- 120.00	100.00
8.219	8.240 (1.000)	82	380483			6.08- 106.08	56.58
$ 89 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
5.382	5.397 (1.113)	65	276900	23.6262	23.626	80.00- 120.00	100.00
5.382	5.397 (1.113)	67	158514			4.53- 104.53	57.25
$ 115 Toluene-d8						CAS #: 2037-26-5	
6.980	7.001 (1.214)	98	735919	25.0488	25.049	80.00- 120.00	100.00
6.980	7.001 (1.214)	70	85177			0.00- 61.77	11.57

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.980	7.001 (1.214)	100	486996			17.54- 117.54	66.18
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.215	9.236 (1.121)	174	339360	24.5600	24.560	80.00- 120.00	100.00
9.215	9.236 (1.121)	95	483032			89.80- 189.80	142.34
9.215	9.236 (1.121)	176	321095			47.30- 147.30	94.62
11 Chloromethane					CAS #: 74-87-3		
1.492	1.479 (0.308)	50	33146	8.32518	15.901	80.00- 120.00	100.00
1.492	1.479 (0.308)	52	12367			0.00- 89.83	37.31
24 Chloroethane					CAS #: 75-00-3		
1.982	1.968 (0.410)	64	12219	2.46010	4.699	80.00- 120.00	100.00
1.982	1.968 (0.410)	66	2693			0.00- 91.47	22.04
1.968	1.968 (0.407)	49	5889			0.00- 76.92	48.20
34 Acetone					CAS #: 67-64-1		
2.818	2.811 (0.582)	58	25581	6.24049	11.919	80.00- 120.00	100.00
2.818	2.811 (0.582)	43	81120			294.99- 394.99	317.11
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.291 (0.682)	49	268032	27.6315	52.776	80.00- 120.00	100.00
3.298	3.298 (0.682)	84	219386			30.55- 130.55	81.85
3.298	3.298 (0.682)	51	85344			0.00- 78.00	31.84
51 Hexane					CAS #: 110-54-3		
3.756	3.756 (0.776)	57	11997	0.78676	1.503	80.00- 120.00	100.00
3.756	3.756 (0.776)	43	11828			20.84- 120.84	98.59
3.763	3.756 (0.778)	86	1943			0.00- 67.84	16.20
74 2-Butanone					CAS #: 78-93-3		
4.637	4.637 (0.959)	72	8555	1.55801	2.976	80.00- 120.00	100.00
4.637	4.637 (0.959)	43	38146			367.38- 467.38	445.89
4.637	4.637 (0.959)	57	3228			0.00- 82.47	37.73
75 Tetrahydrofuran					CAS #: 109-99-9		
4.838	4.845 (1.000)	42	38022	2.87096	5.484	80.00- 120.00	100.00
4.838	4.845 (1.000)	71	15123			0.00- 85.96	39.77
4.845	4.845 (1.001)	72	15065			0.00- 88.91	39.62
88 Benzene					CAS #: 71-43-2		
5.368	5.375 (0.934)	78	16274	0.55944	1.068	80.00- 120.00	100.00
5.368	5.375 (0.934)	77	5208			0.00- 75.11	32.00
116 Toluene					CAS #: 108-88-3		
7.037	7.059 (1.224)	91	23443	0.68511	1.308	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
116 Toluene (continued)							
7.037	7.051 (1.224)	92	13086			10.41- 110.41	55.82

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052724.d
Lab Smp Id: 1005453A-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ww
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 9.0"Hg-5psi

Calibration Date: 27-MAY-2010
Calibration Time: 09:24
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258488	155093	361883	214408	-17.05
97 1,4-Difluorobenze	894304	536582	1252026	762589	-14.73
144 Chlorobenzene-d5	791587	474952	1108222	672443	-15.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.84	-0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.75	-0.25
144 Chlorobenzene-d5	8.24	7.91	8.57	8.22	-0.26

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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 27may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-02A
Level: LOW Operator: ww
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 9.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	23.626	94.50	70-130
$ 115 Toluene-d8	25.000	25.049	100.20	70-130
$ 159 Bromofluorobenzene	25.000	24.560	98.24	70-130

Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

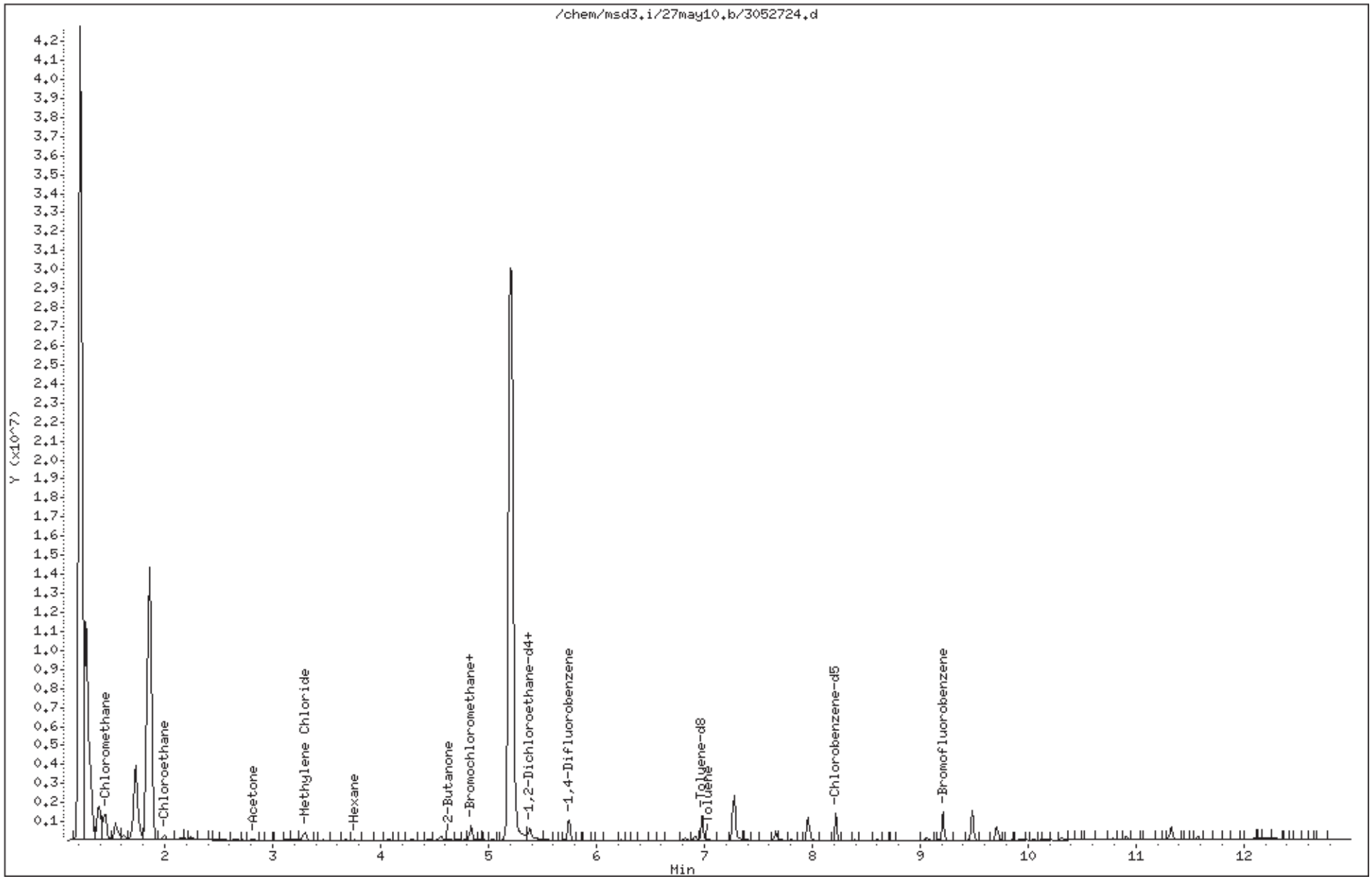
Instrument: msd3.i

Sample Info: 200mL #13667

Operator: ww

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

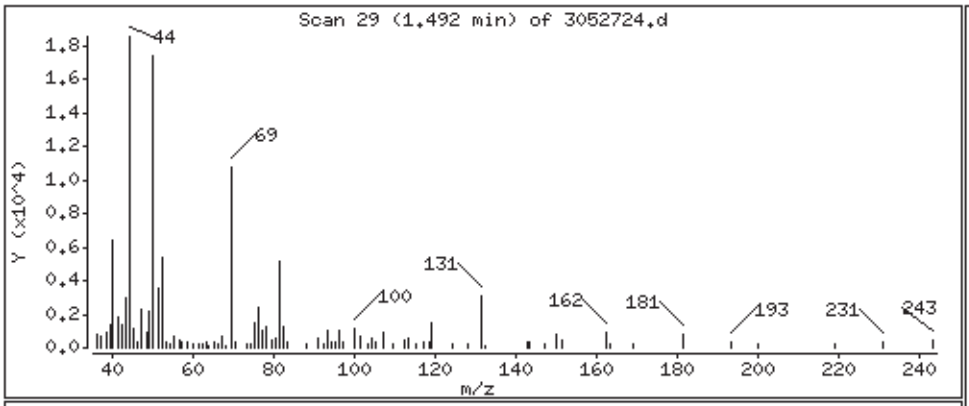
Operator: ww

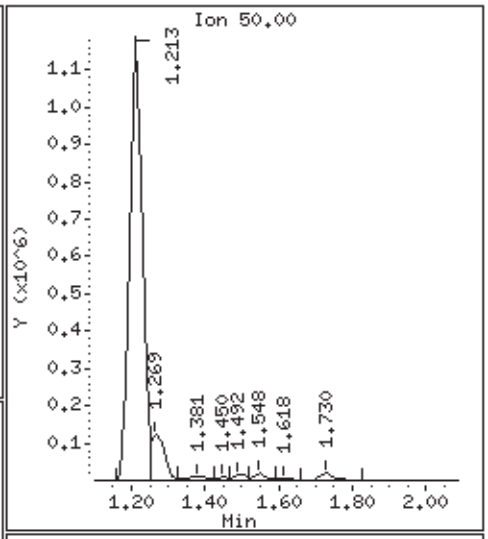
Column phase: RTx-624

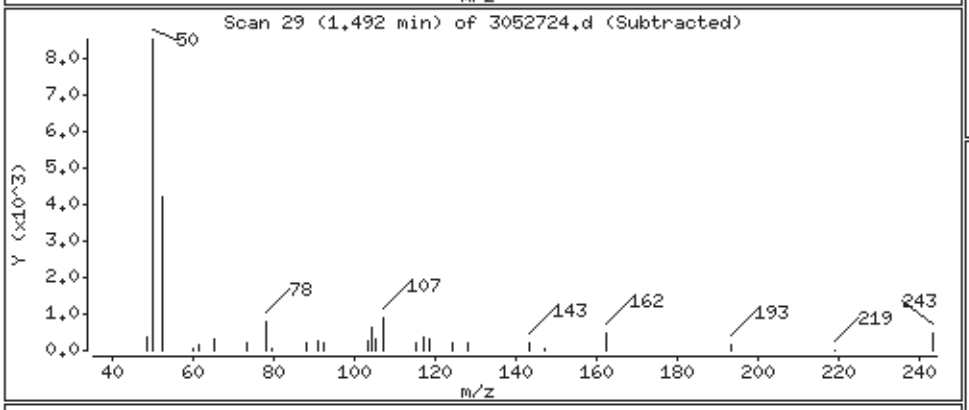
Column diameter: 0.53

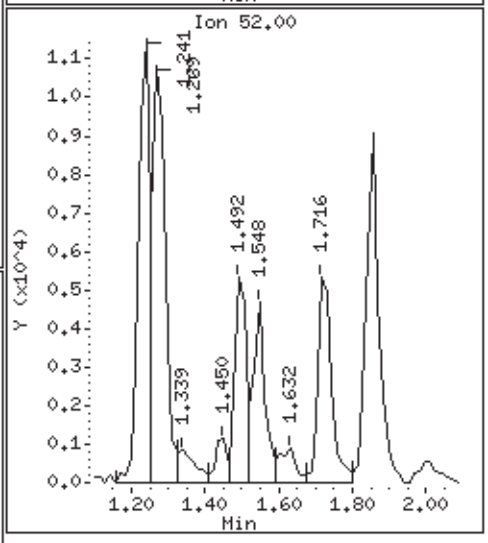
11 Chloromethane

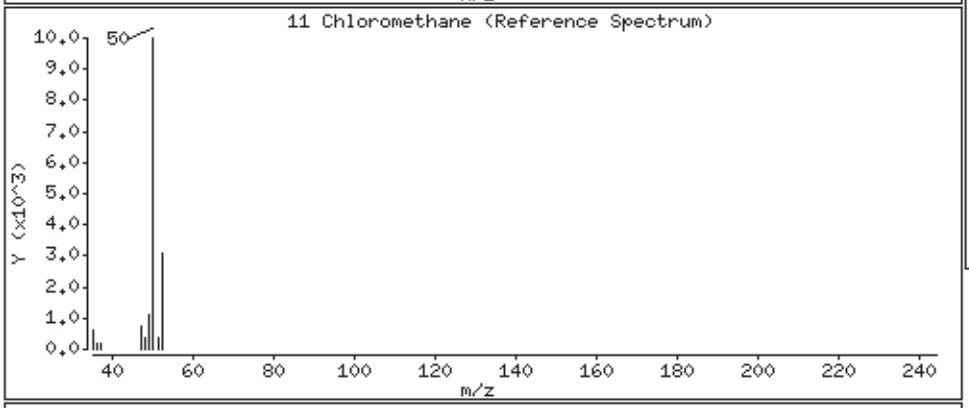
Concentration: 15.901 PPBV

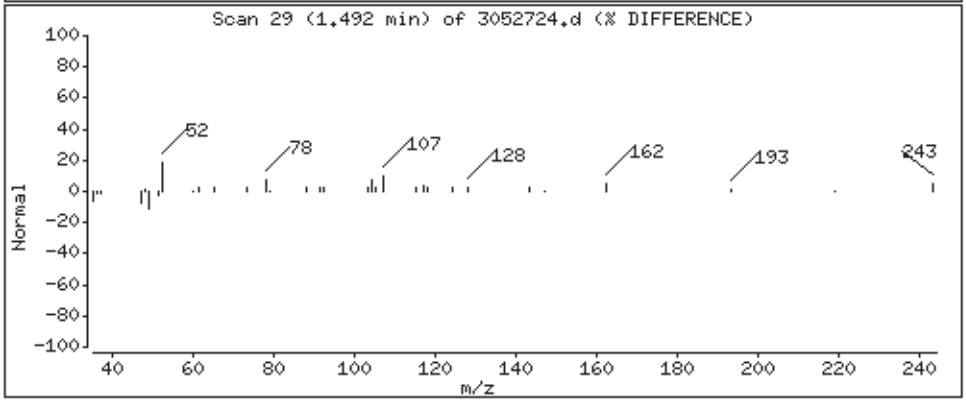












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

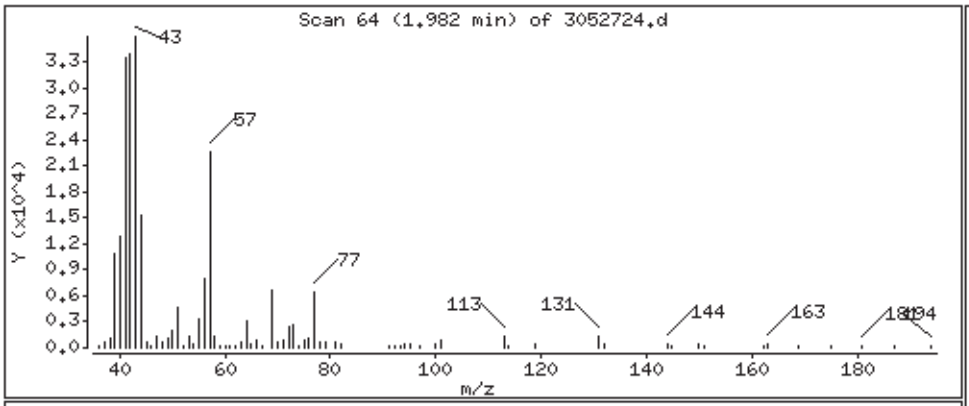
Operator: ww

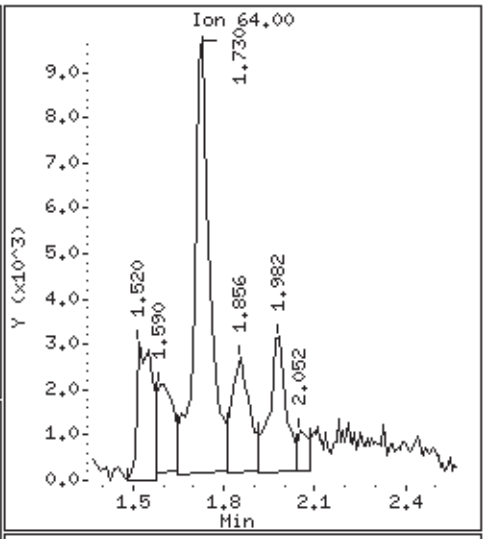
Column phase: RTx-624

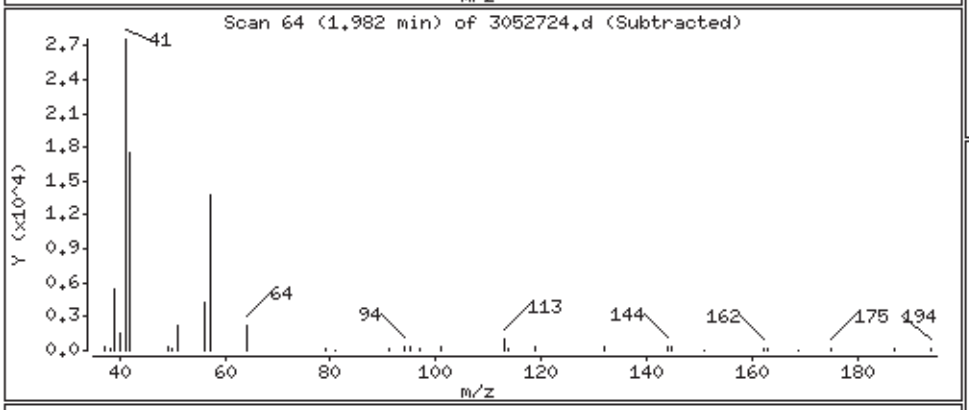
Column diameter: 0.53

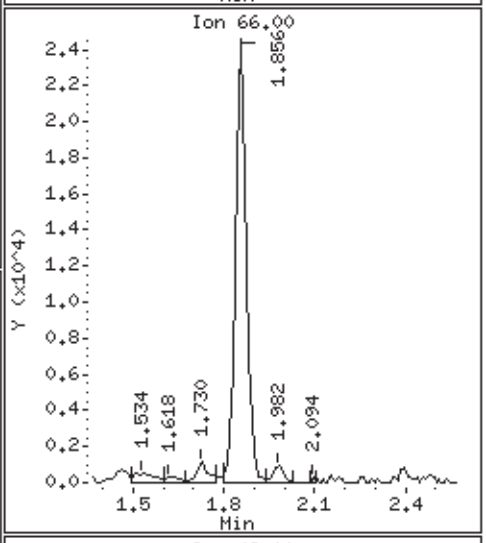
24 Chloroethane

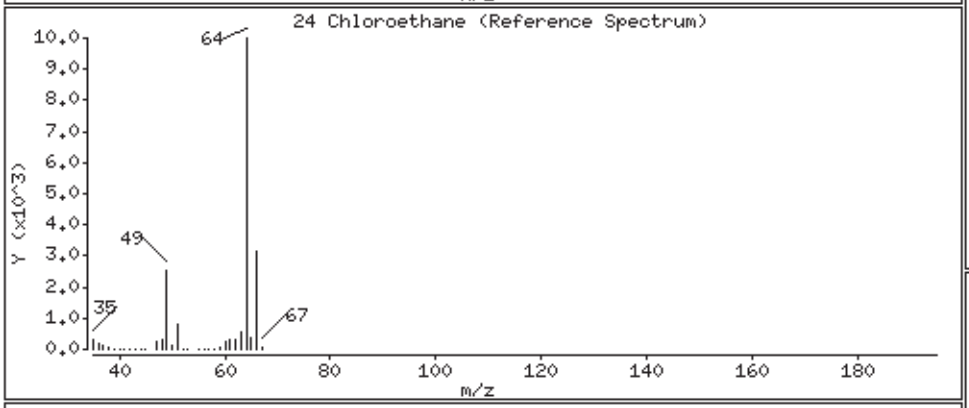
Concentration: 4.699 PPBV

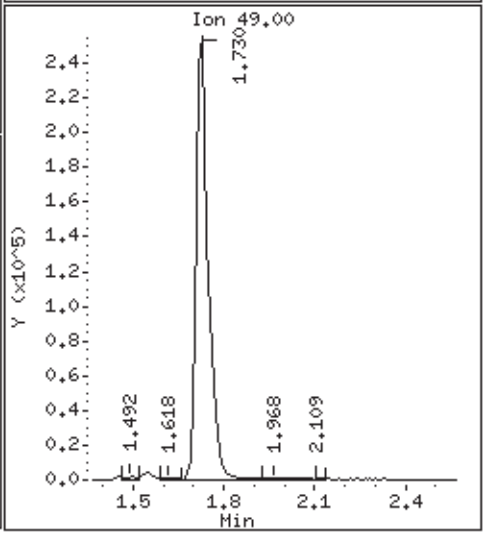


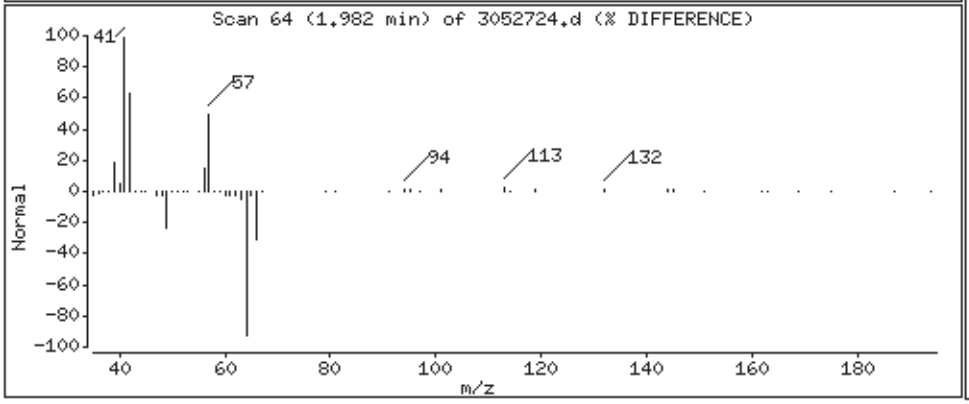












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

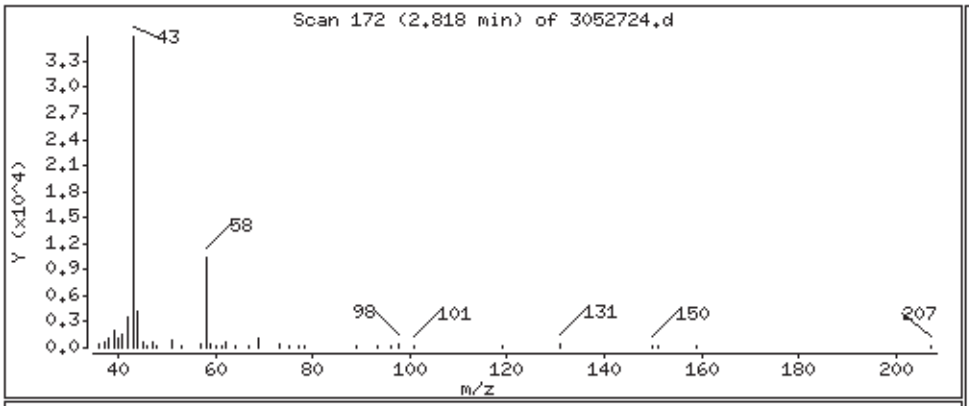
Operator: ww

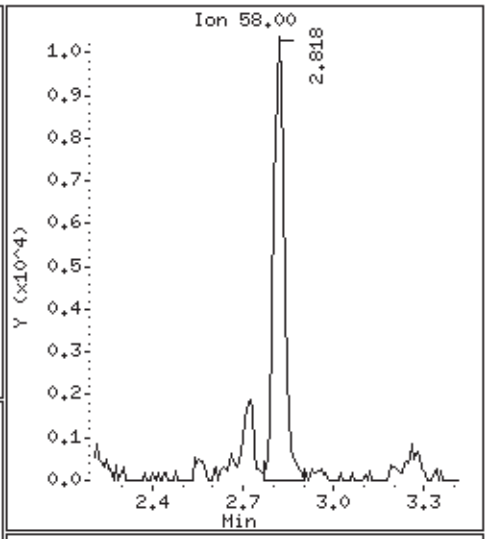
Column phase: RTx-624

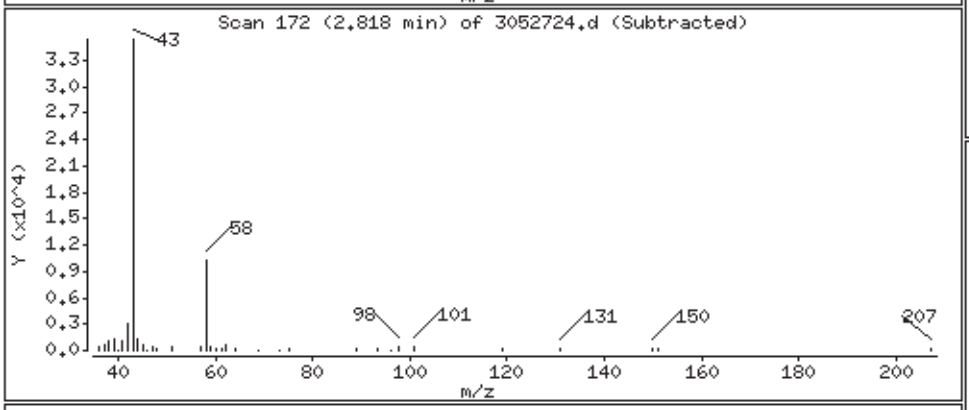
Column diameter: 0.53

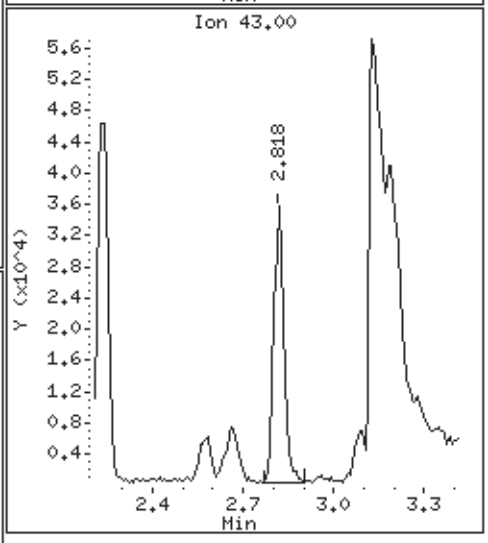
34 Acetone

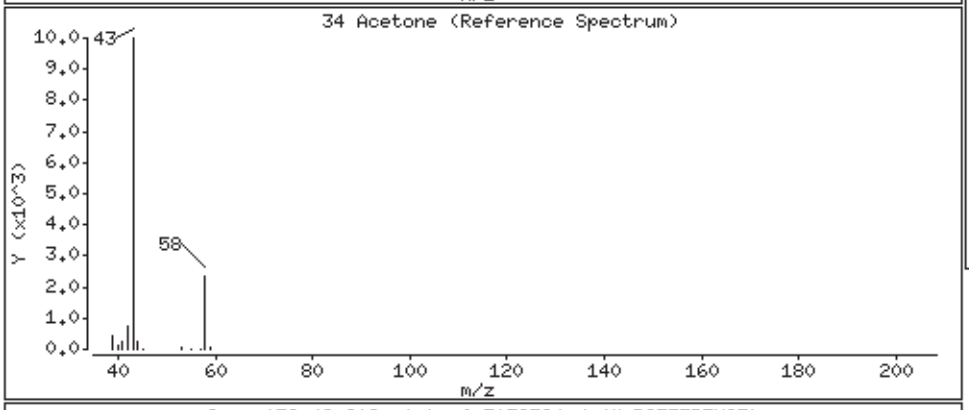
Concentration: 11.919 PPBV

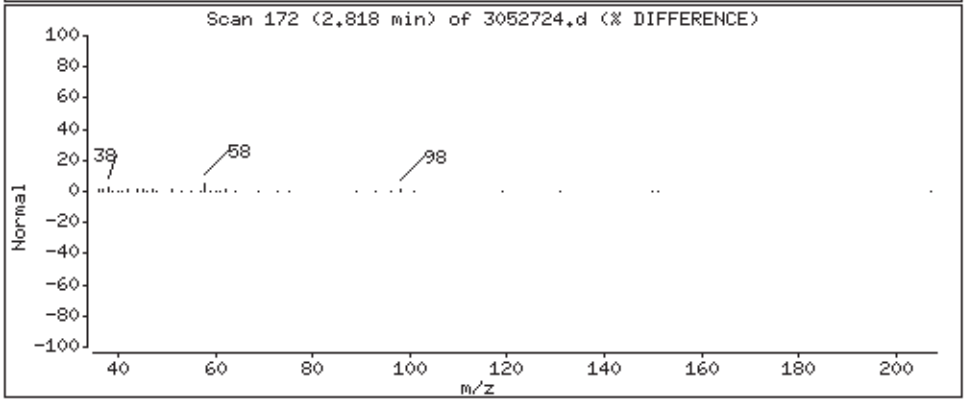












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

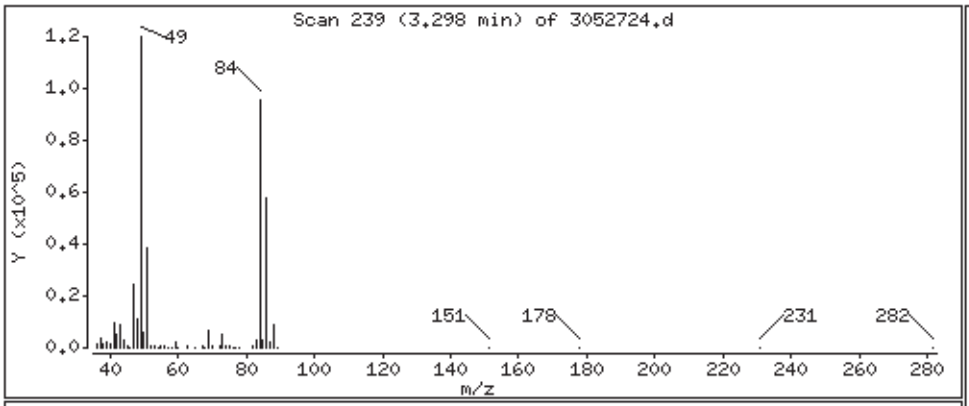
Operator: ww

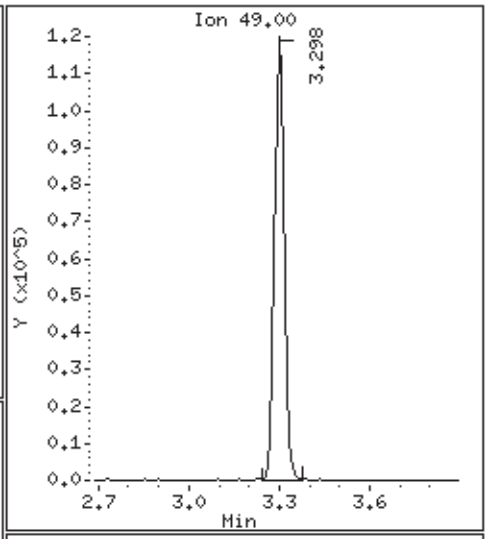
Column phase: RTx-624

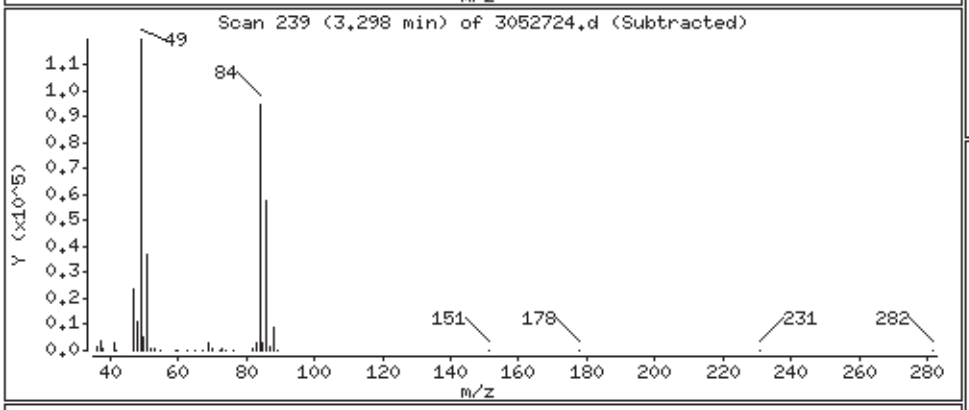
Column diameter: 0.53

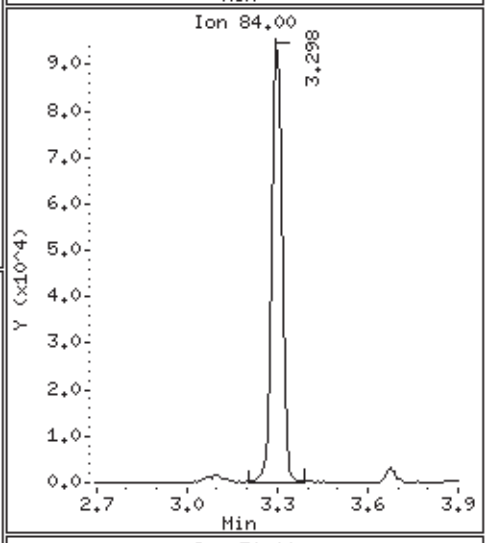
43 Methylene Chloride

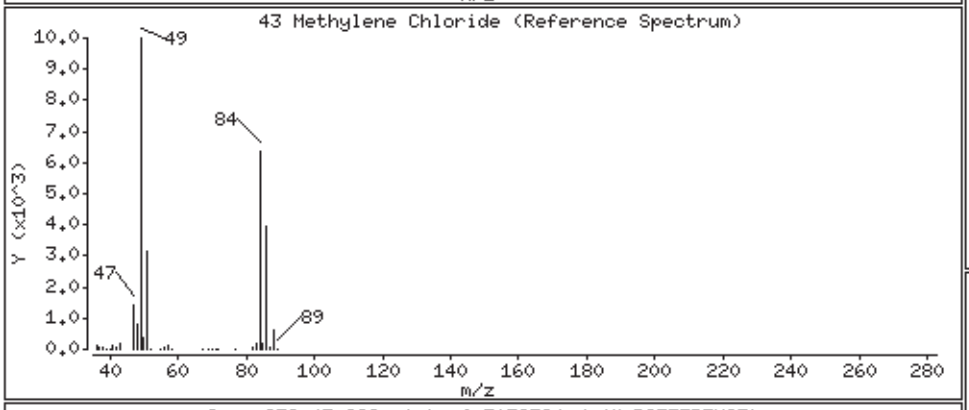
Concentration: 52.776 PPBV

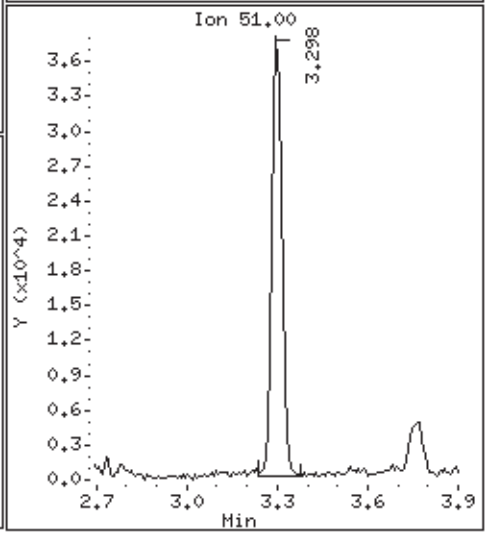


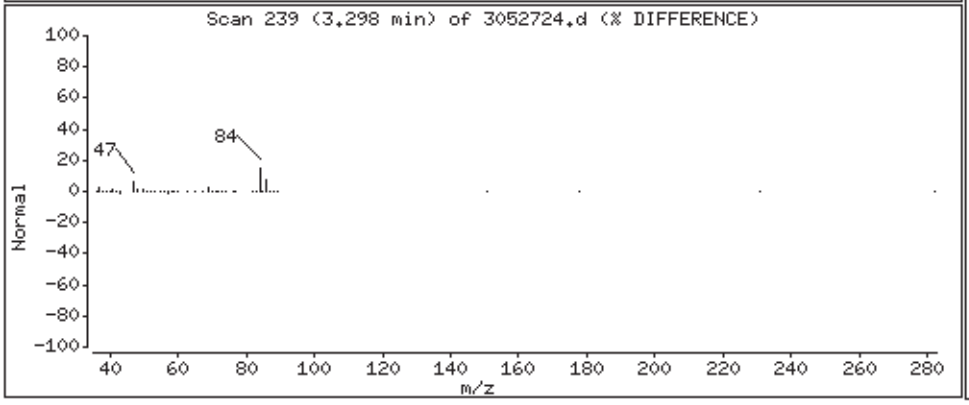












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

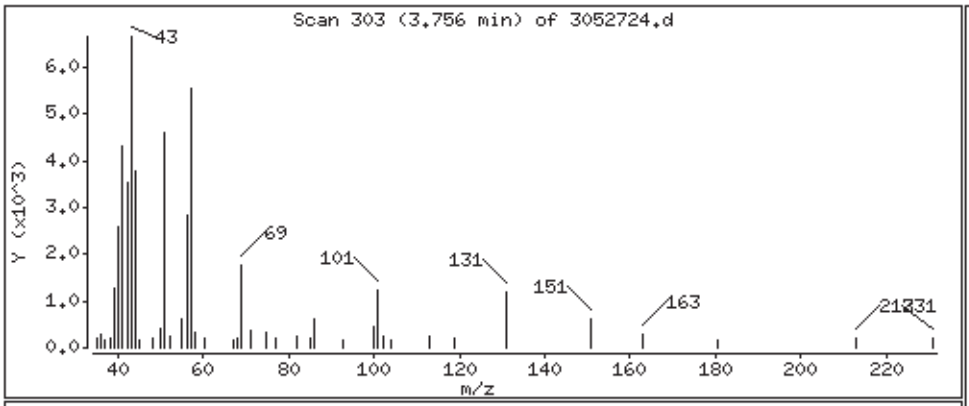
Operator: ww

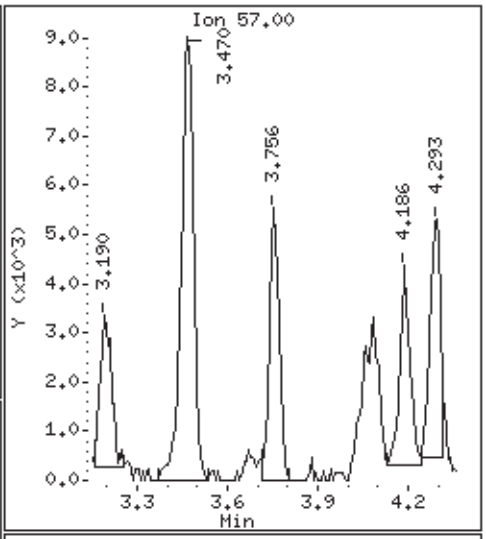
Column phase: RTx-624

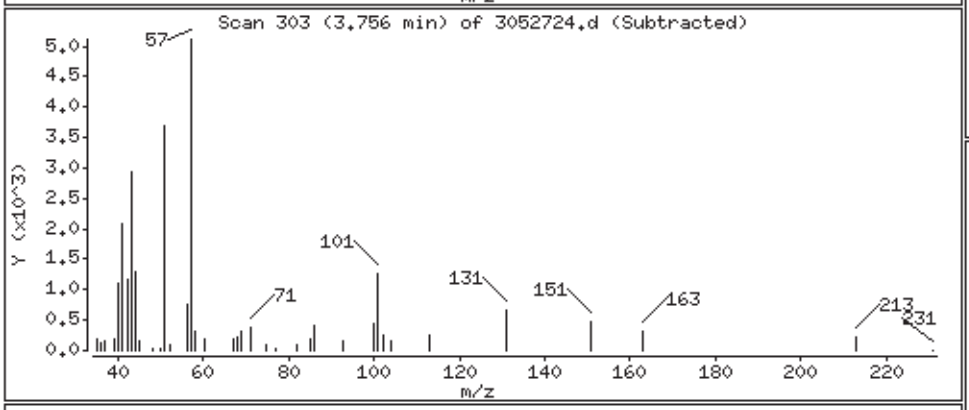
Column diameter: 0.53

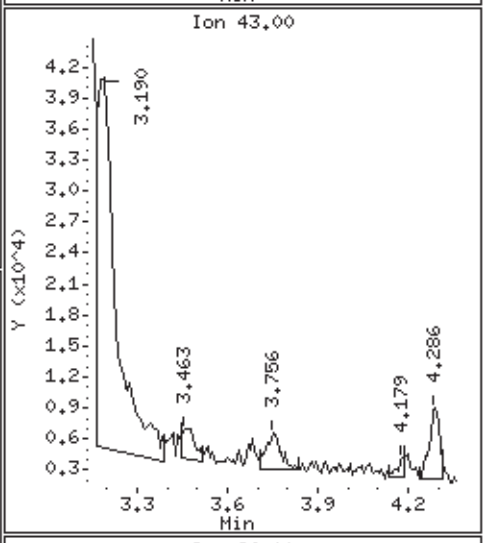
51 Hexane

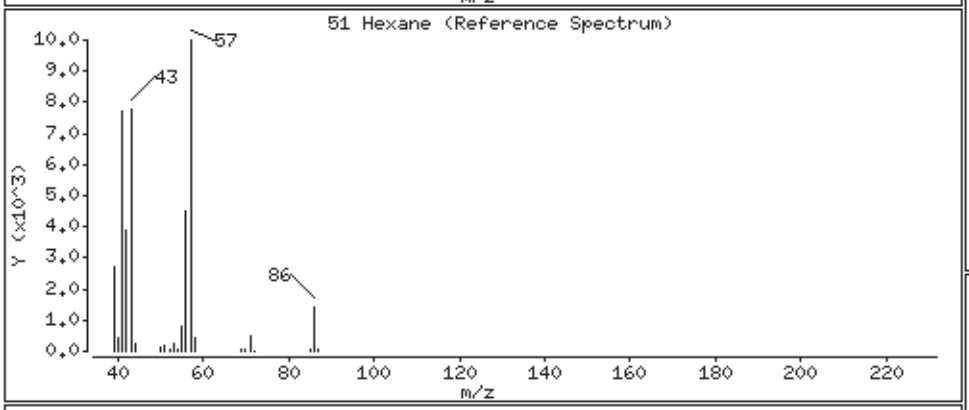
Concentration: 1.503 PPBV

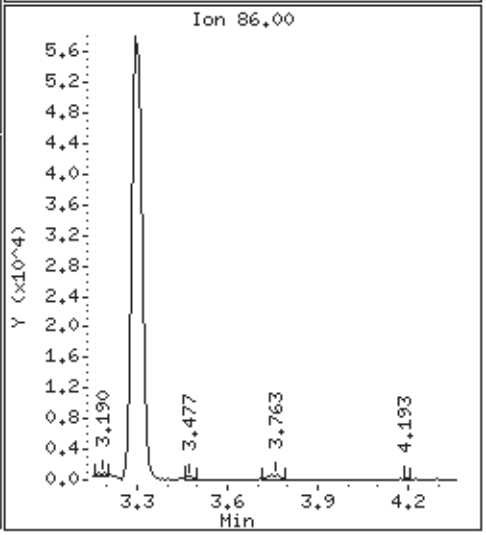


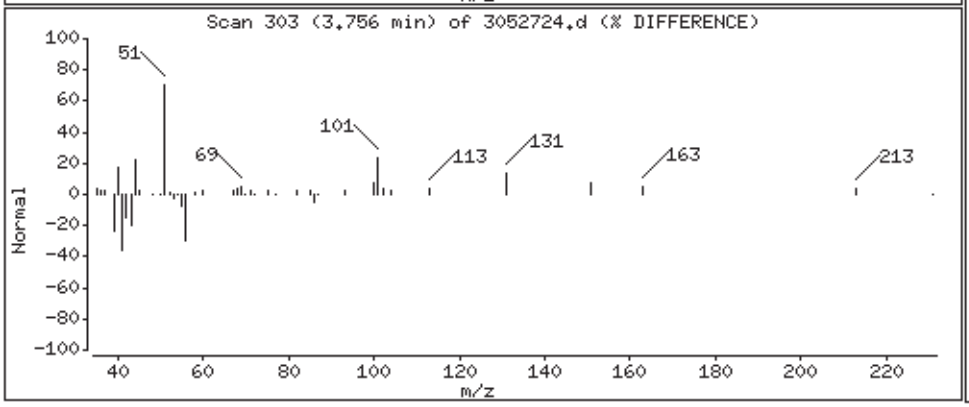












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

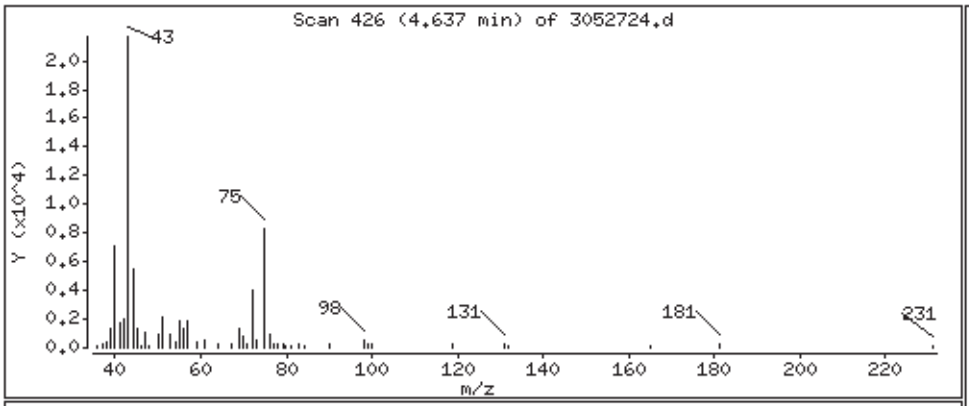
Operator: ww

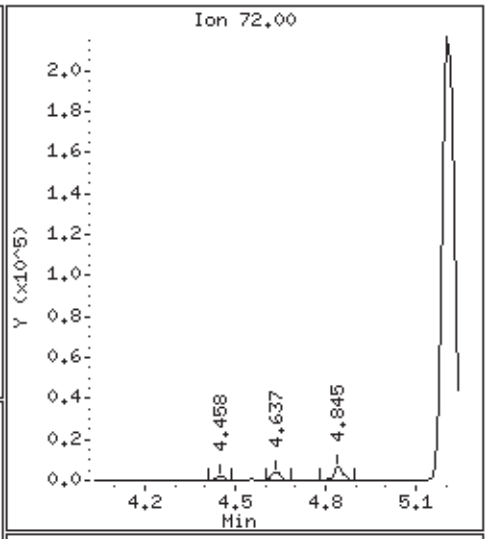
Column phase: RTx-624

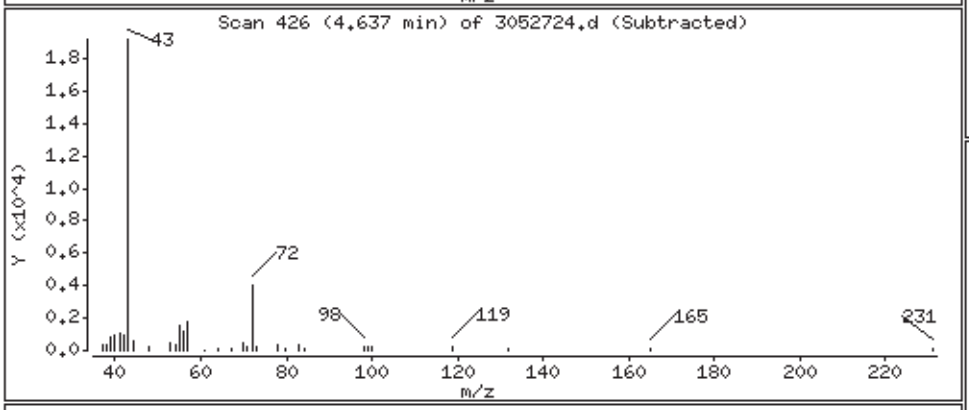
Column diameter: 0.53

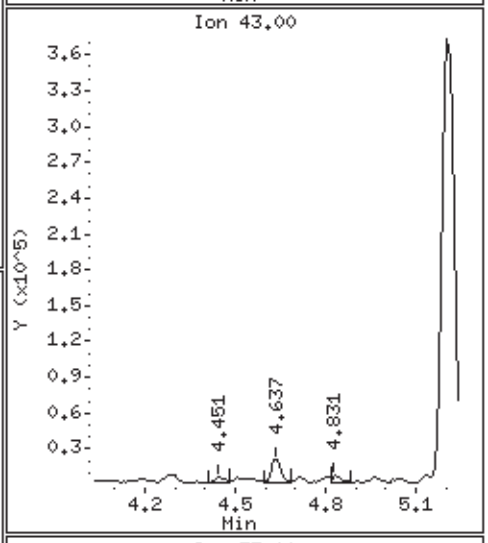
74 2-Butanone

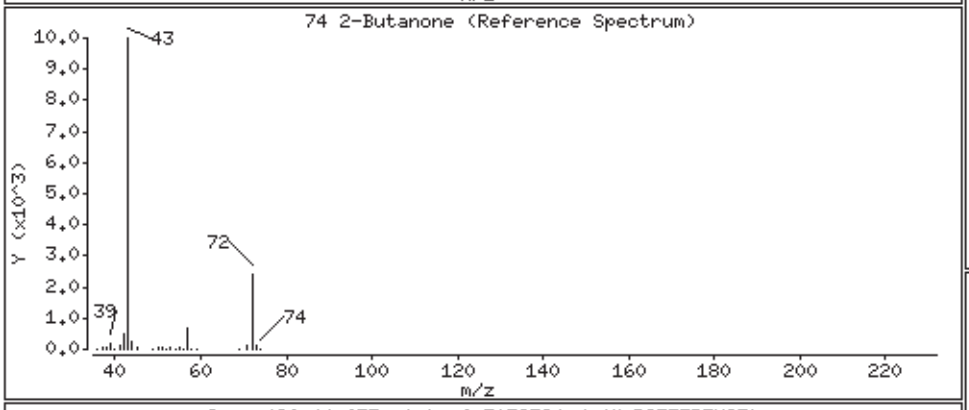
Concentration: 2.976 PPBV

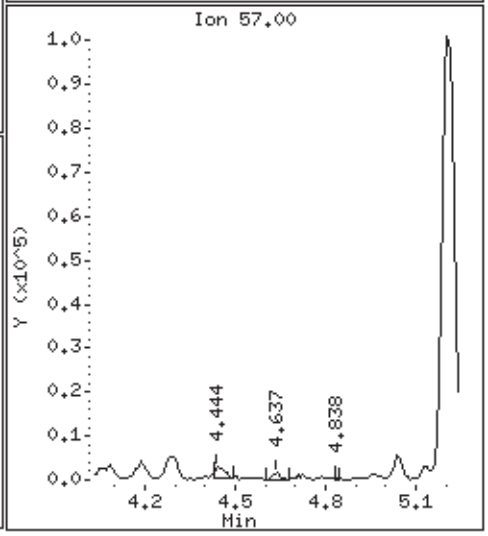


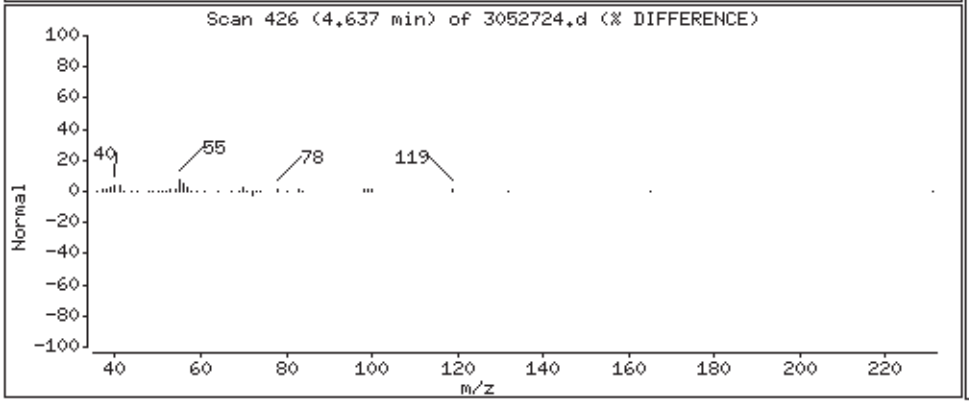












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

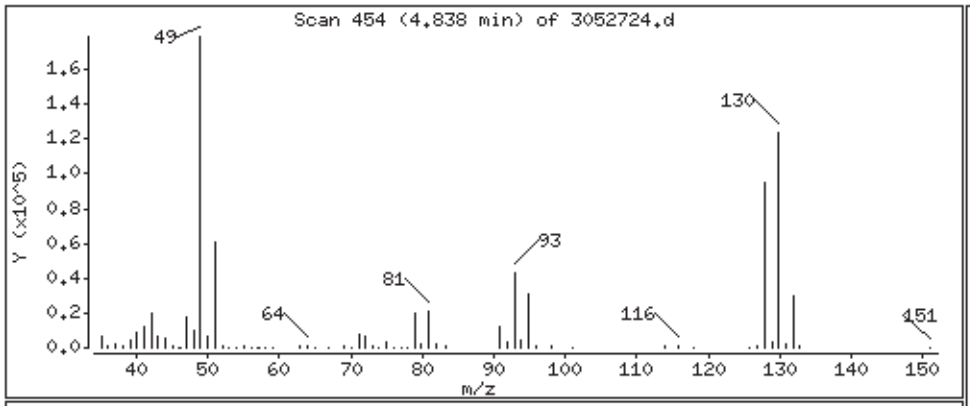
Operator: ww

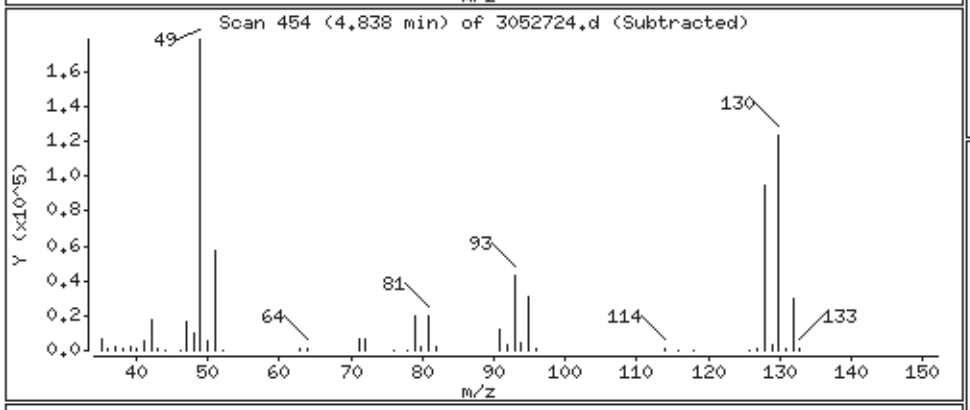
Column phase: RTx-624

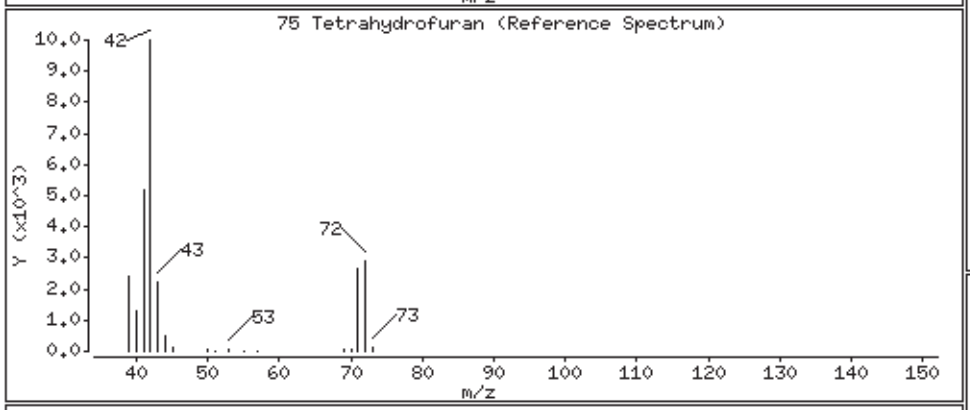
Column diameter: 0.53

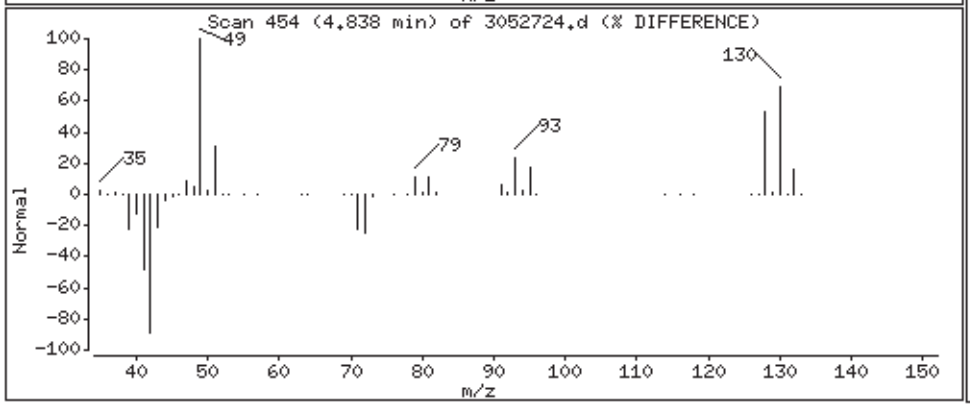
75 Tetrahydrofuran

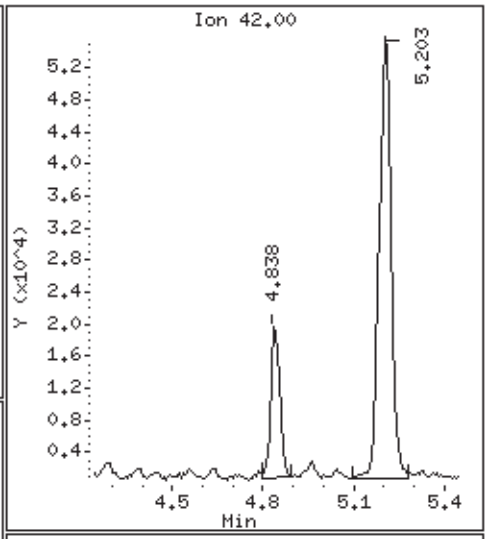
Concentration: 5.484 PPBV

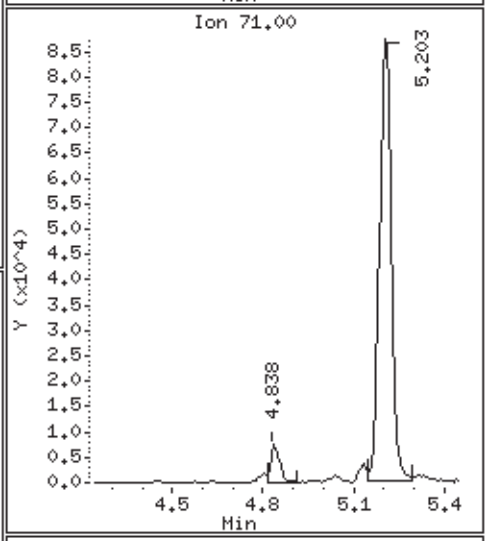


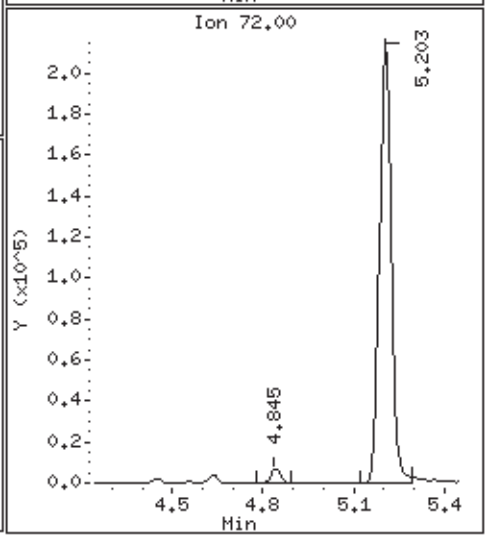












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

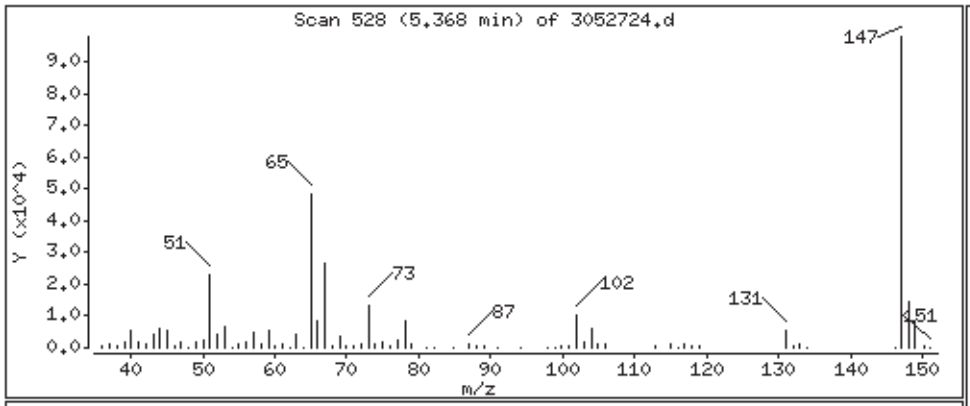
Operator: ww

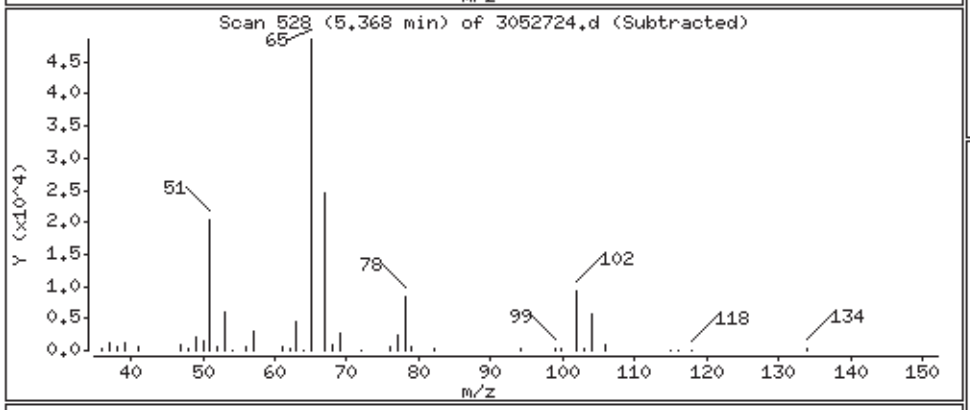
Column phase: RTx-624

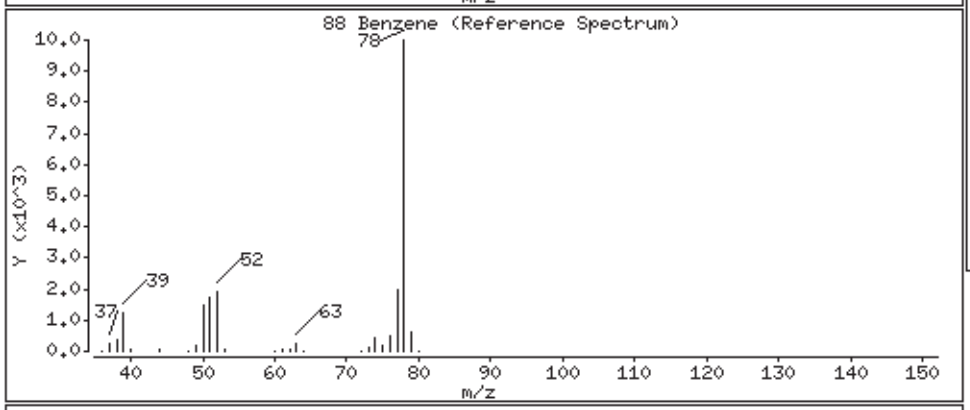
Column diameter: 0.53

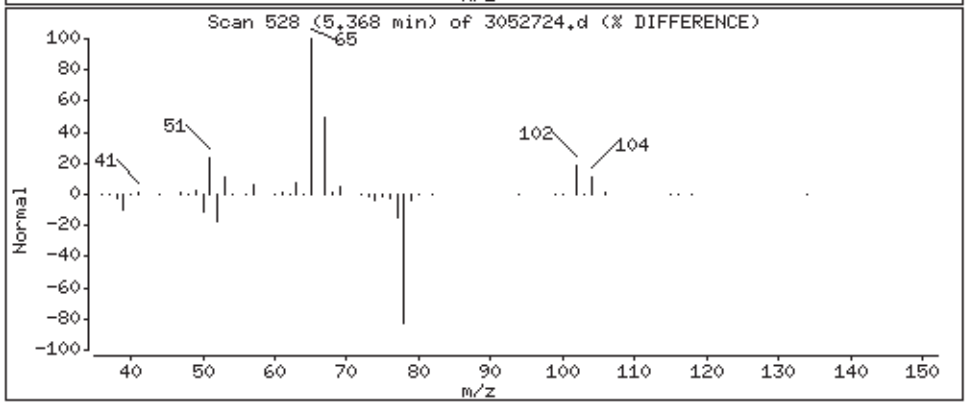
88 Benzene

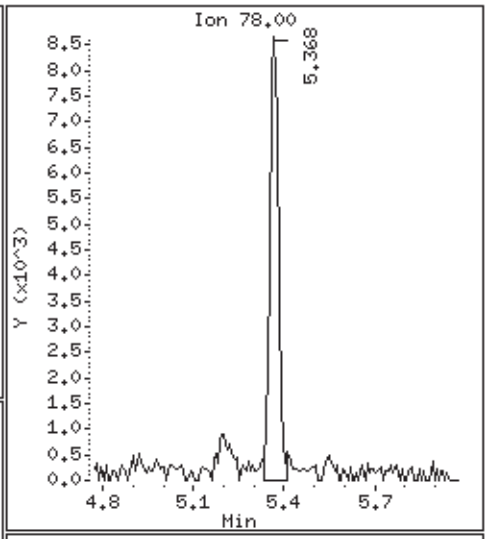
Concentration: 1.068 PPBV

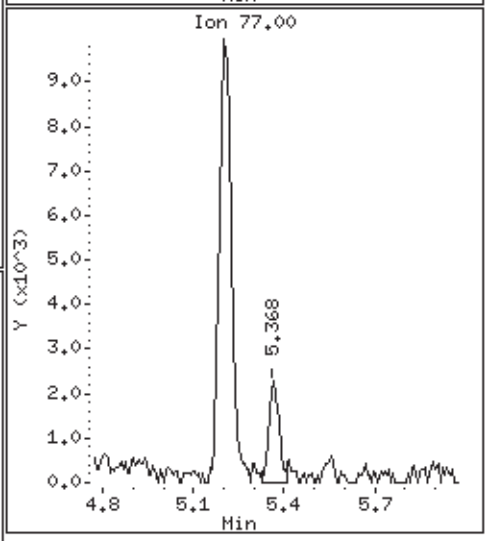












Data File: /chem/msd3.i/27may10.b/3052724.d

Date : 27-MAY-2010 23:35

Client ID:

Instrument: msd3.i

Sample Info: 200mL #13667

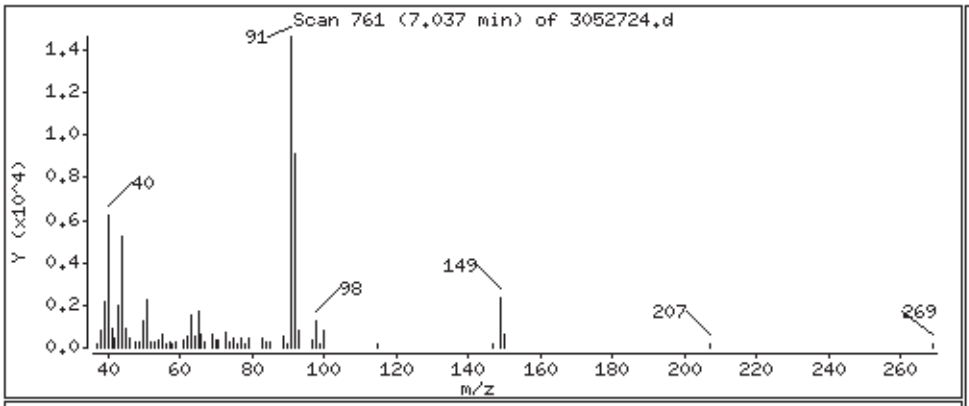
Operator: ww

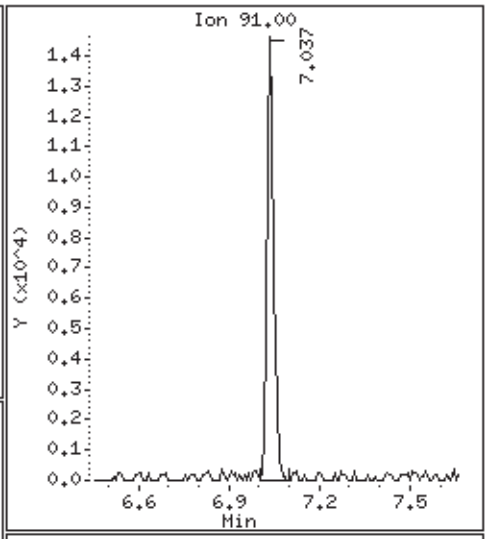
Column phase: RTx-624

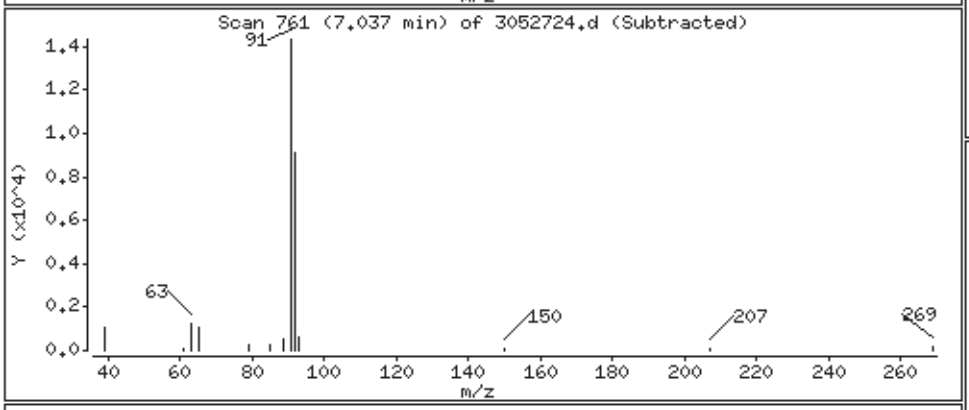
Column diameter: 0.53

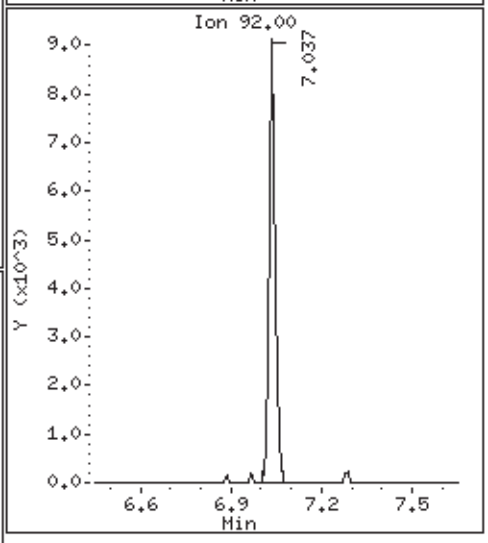
116 Toluene

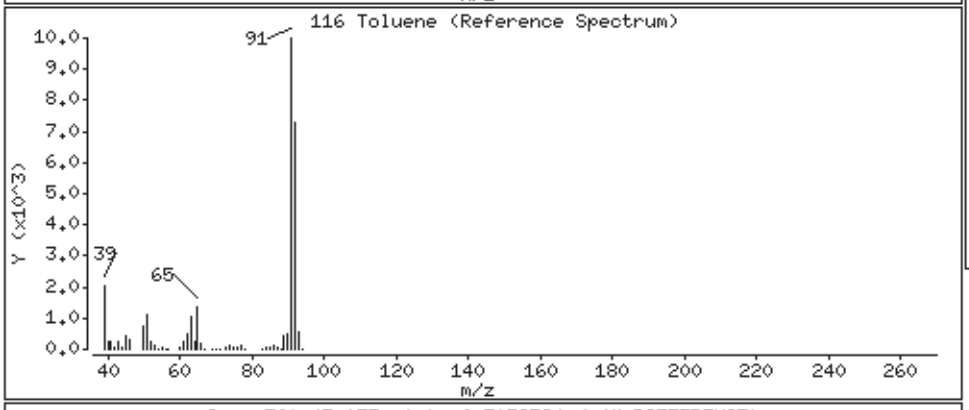
Concentration: 1.308 PPBV

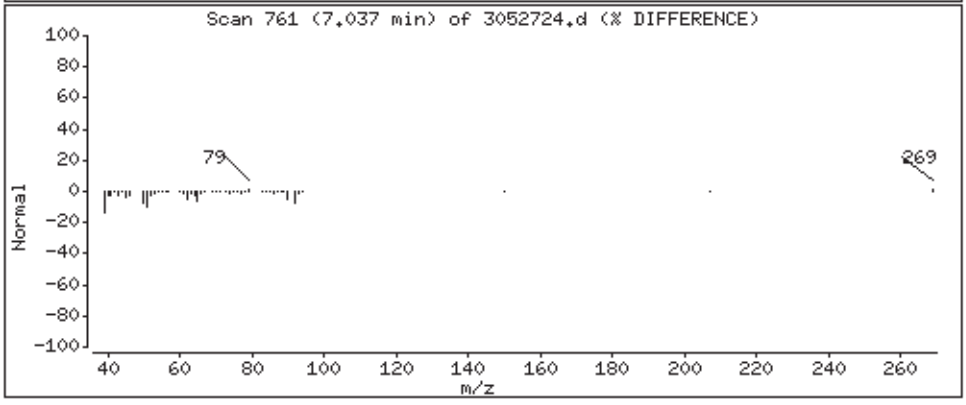












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-11

Lab ID#: 1005453A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	3.7	56	7.7	110
Chloroethane	0.93	2.6	2.4	6.9
Acetone	3.7	13	8.8	32
Methylene Chloride	0.93	6.3	3.2	22
2-Butanone (Methyl Ethyl Ketone)	0.93	1.9	2.7	5.7
Tetrahydrofuran	0.93	0.95	2.7	2.8

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-11

Lab ID#: 1005453A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052725**	**Date of Collection: 5/16/10 1:39:00 PM**	
Dil. Factor:	**1.86**	**Date of Analysis: 5/27/10 11:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.93	Not Detected	4.6	Not Detected
Freon 114	0.93	Not Detected	6.5	Not Detected
Chloromethane	3.7	56	7.7	110
Vinyl Chloride	0.93	Not Detected	2.4	Not Detected
1,3-Butadiene	0.93	Not Detected	2.0	Not Detected
Bromomethane	0.93	Not Detected	3.6	Not Detected
Chloroethane	0.93	2.6	2.4	6.9
Freon 11	0.93	Not Detected	5.2	Not Detected
Ethanol	3.7	Not Detected	7.0	Not Detected
Freon 113	0.93	Not Detected	7.1	Not Detected
1,1-Dichloroethene	0.93	Not Detected	3.7	Not Detected
Acetone	3.7	13	8.8	32
2-Propanol	3.7	Not Detected	9.1	Not Detected
Carbon Disulfide	0.93	Not Detected	2.9	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
Methylene Chloride	0.93	6.3	3.2	22
Methyl tert-butyl ether	0.93	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.93	Not Detected	3.7	Not Detected
Hexane	0.93	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.93	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.93	1.9	2.7	5.7
cis-1,2-Dichloroethene	0.93	Not Detected	3.7	Not Detected
Tetrahydrofuran	0.93	0.95	2.7	2.8
Chloroform	0.93	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.93	Not Detected	5.1	Not Detected
Cyclohexane	0.93	Not Detected	3.2	Not Detected
Carbon Tetrachloride	0.93	Not Detected	5.8	Not Detected
2,2,4-Trimethylpentane	0.93	Not Detected	4.3	Not Detected
Benzene	0.93	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.93	Not Detected	3.8	Not Detected
Heptane	0.93	Not Detected	3.8	Not Detected
Trichloroethene	0.93	Not Detected	5.0	Not Detected
1,2-Dichloropropane	0.93	Not Detected	4.3	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
Bromodichloromethane	0.93	Not Detected	6.2	Not Detected
cis-1,3-Dichloropropene	0.93	Not Detected	4.2	Not Detected
4-Methyl-2-pentanone	0.93	Not Detected	3.8	Not Detected
Toluene	0.93	Not Detected	3.5	Not Detected
trans-1,3-Dichloropropene	0.93	Not Detected	4.2	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-11

Lab ID#: 1005453A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052725**	**Date of Collection: 5/16/10 1:39:00 PM**	
Dil. Factor:	**1.86**	**Date of Analysis: 5/27/10 11:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.93	Not Detected	5.1	Not Detected
Tetrachloroethene	0.93	Not Detected	6.3	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Dibromochloromethane	0.93	Not Detected	7.9	Not Detected
1,2-Dibromoethane (EDB)	0.93	Not Detected	7.1	Not Detected
Chlorobenzene	0.93	Not Detected	4.3	Not Detected
Ethyl Benzene	0.93	Not Detected	4.0	Not Detected
m,p-Xylene	0.93	Not Detected	4.0	Not Detected
o-Xylene	0.93	Not Detected	4.0	Not Detected
Styrene	0.93	Not Detected	4.0	Not Detected
Bromoform	0.93	Not Detected	9.6	Not Detected
Cumene	0.93	Not Detected	4.6	Not Detected
1,1,2,2-Tetrachloroethane	0.93	Not Detected	6.4	Not Detected
Propylbenzene	0.93	Not Detected	4.6	Not Detected
4-Ethyltoluene	0.93	Not Detected	4.6	Not Detected
1,3,5-Trimethylbenzene	0.93	Not Detected	4.6	Not Detected
1,2,4-Trimethylbenzene	0.93	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.93	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.93	Not Detected	5.6	Not Detected
alpha-Chlorotoluene	0.93	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.93	Not Detected	5.6	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
TPH ref. to Gasoline (MW=100)	19	Not Detected	76	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/27may10.b/3052725.d
Lab Smp Id: 1005453A-03A
Inj Date : 27-MAY-2010 23:59
Operator : ww Inst ID: msd3.i
Smp Info : 200mL #33382
Misc Info : 8.4"Hg-5psi
Comment :
Method : /var/chem/msd3.i/27may10.b/310q0520a.m
Meth Date : 27-May-2010 10:51 abarton Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.86000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	218805	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	171967			28.10- 128.10	78.59
4.852	4.845 (1.000)	49	313852			81.21- 181.21	143.44
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	757153	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	122757			0.00- 66.01	16.21
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	686824	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	378773			6.08- 106.08	55.15
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	283051	23.6657	23.666	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	158209			4.53- 104.53	55.89
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	7.001 (1.215)	98	744853	25.5349	25.535	80.00- 120.00	100.00
7.001	7.001 (1.215)	70	88239			0.00- 61.77	11.85

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	7.001 (1.215)	100	501124			17.54- 117.54	67.28
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	344645	24.4202	24.420	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	495779			89.80- 189.80	143.85
9.236	9.236 (1.121)	176	332511			47.30- 147.30	96.48
11 Chloromethane					CAS #: 74-87-3		
1.493	1.479 (0.308)	50	121417	29.8831	55.582	80.00- 120.00	100.00
1.493	1.479 (0.308)	52	39424			0.00- 89.83	32.47
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.406)	64	7138	1.40824	2.619	80.00- 120.00	100.00
1.982	1.968 (0.409)	66	1014			0.00- 91.47	14.21
1.982	1.968 (0.409)	49	4672			0.00- 76.92	65.45
34 Acetone					CAS #: 67-64-1		
2.818	2.811 (0.581)	58	30294	7.24171	13.470	80.00- 120.00	100.00
2.818	2.811 (0.581)	43	93664			294.99- 394.99	309.18
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.291 (0.680)	49	33529	3.38705	6.300	80.00- 120.00	100.00
3.305	3.298 (0.681)	84	27174			30.55- 130.55	81.05
3.305	3.298 (0.681)	51	11912			0.00- 78.00	35.53
74 2-Butanone					CAS #: 78-93-3		
4.645	4.637 (0.957)	72	5825	1.03951	1.933	80.00- 120.00	100.00
4.637	4.637 (0.956)	43	19032			367.38- 467.38	326.73
4.645	4.637 (0.957)	57	1506			0.00- 82.47	25.85
75 Tetrahydrofuran					CAS #: 109-99-9		
4.852	4.845 (1.000)	42	6936	0.51320	0.9545	80.00- 120.00	100.00
4.852	4.845 (1.000)	71	2742			0.00- 85.96	39.53
4.859	4.845 (1.001)	72	3531			0.00- 88.91	50.91

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052725.d
Lab Smp Id: 1005453A-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: ww
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 8.4"Hg-5psi

Calibration Date: 27-MAY-2010
Calibration Time: 09:24
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258488	155093	361883	218805	-15.35
97 1,4-Difluorobenze	894304	536582	1252026	757153	-15.34
144 Chlorobenzene-d5	791587	474952	1108222	686824	-13.23

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 27may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-03A
Level: LOW Operator: ww
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 8.4"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	23.666	94.66	70-130
$ 115 Toluene-d8	25.000	25.535	102.14	70-130
$ 159 Bromofluorobenzene	25.000	24.420	97.68	70-130

Data File: /chem/msd3.i/27may10.b/3052725.d

Page 1

Date : 27-MAY-2010 23:59

Client ID:

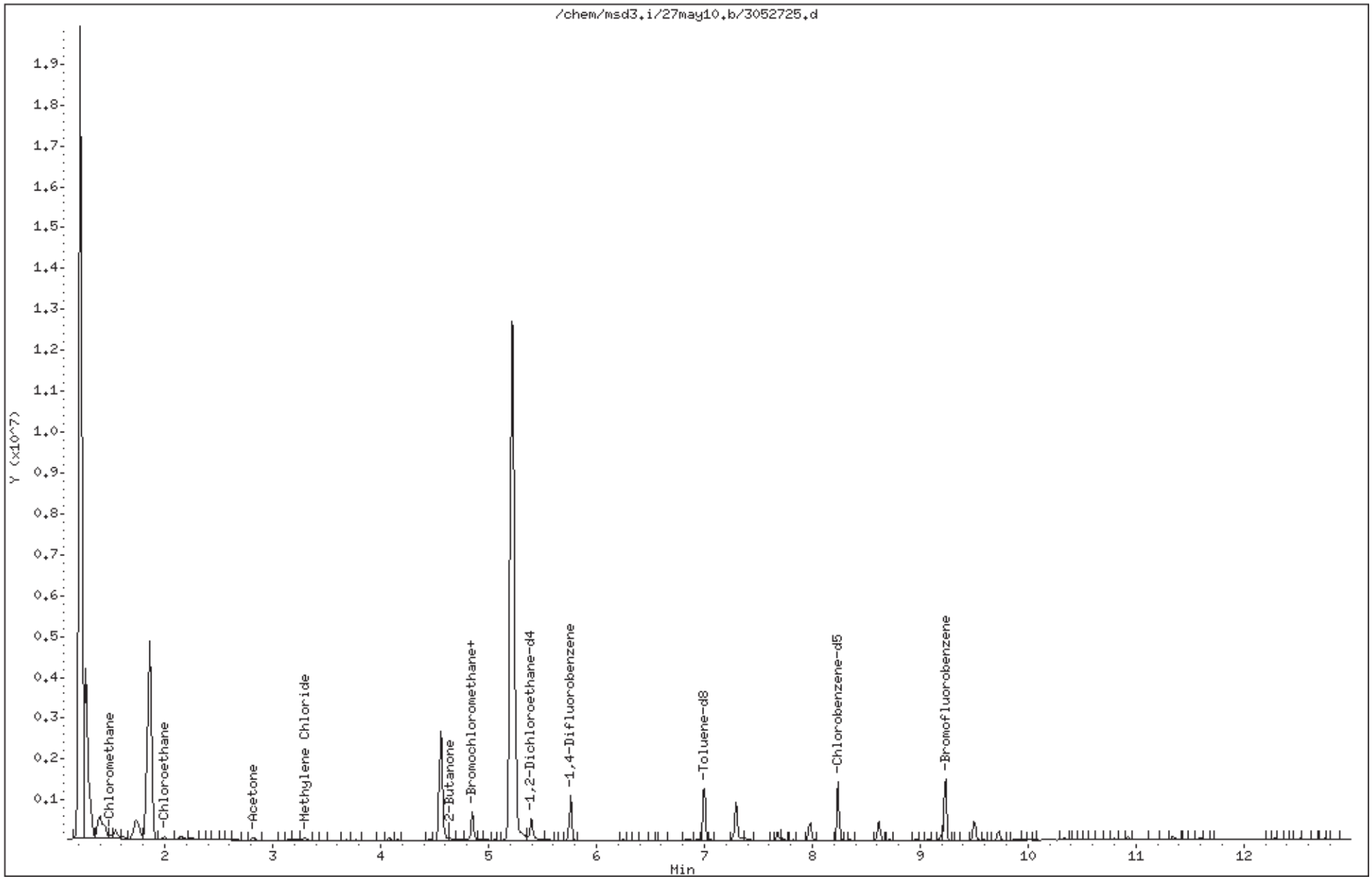
Instrument: msd3.i

Sample Info: 200mL #33382

Operator: ww

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

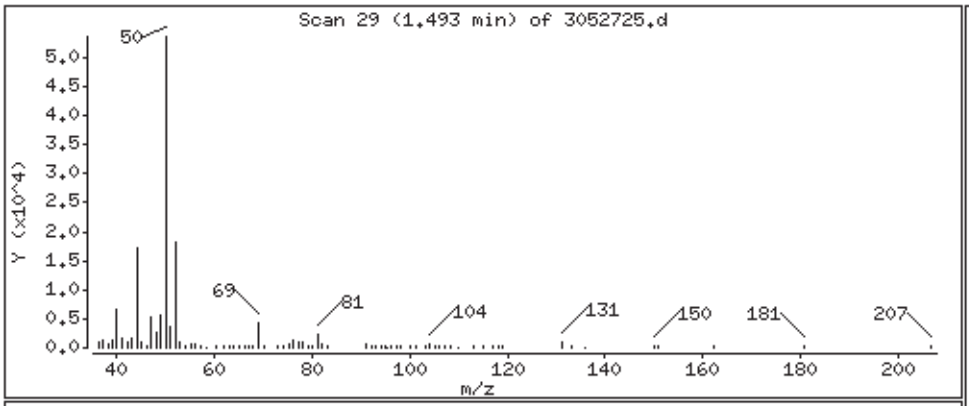
Operator: ww

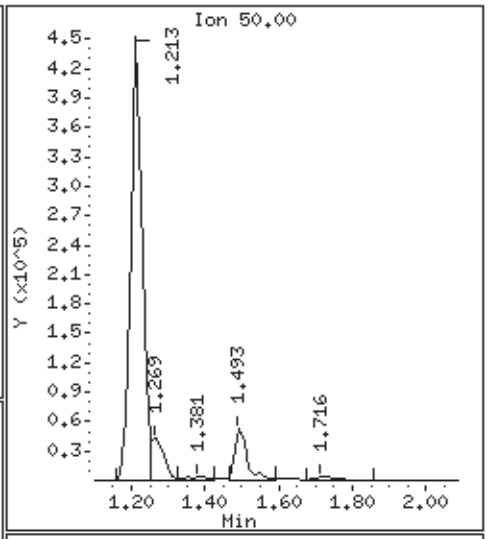
Column phase: RTx-624

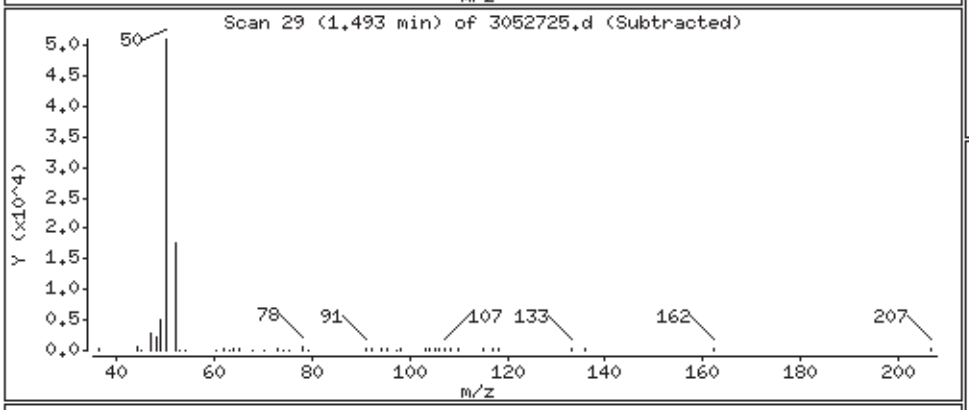
Column diameter: 0.53

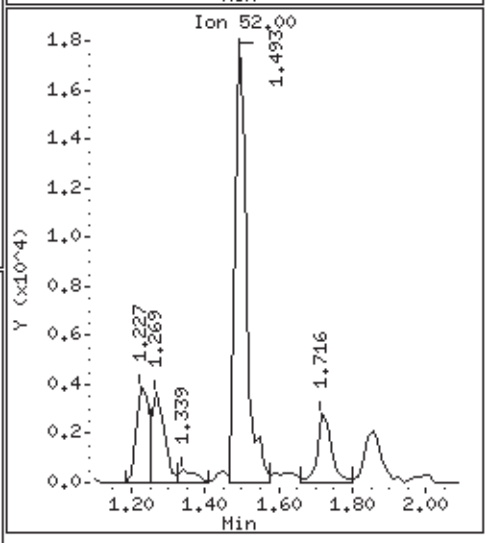
11 Chloromethane

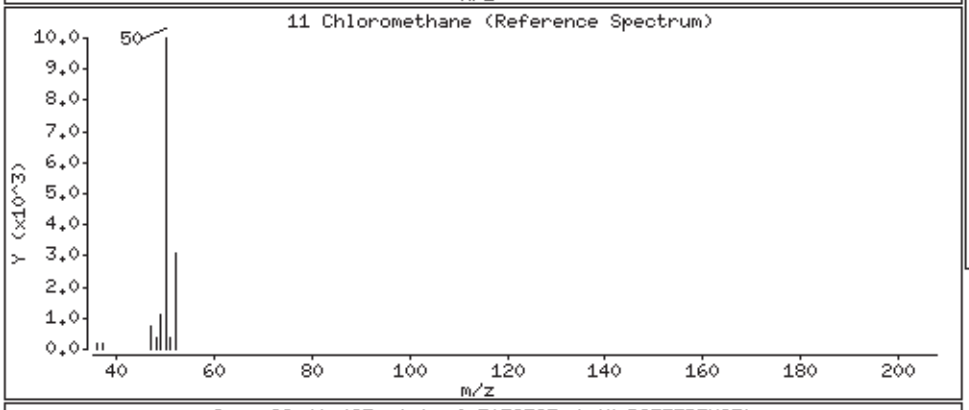
Concentration: 55.582 PPBV

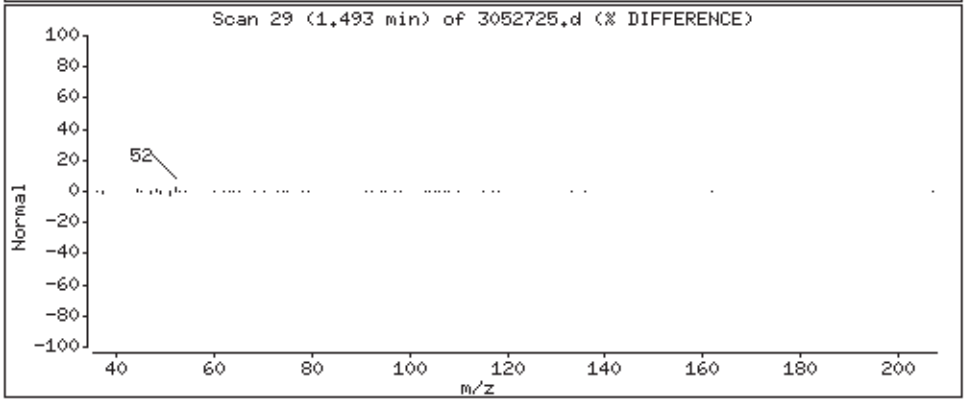












Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

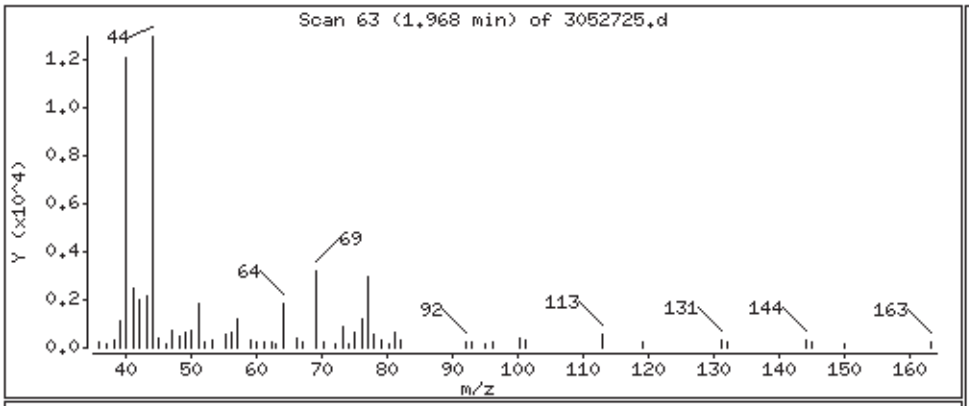
Operator: ww

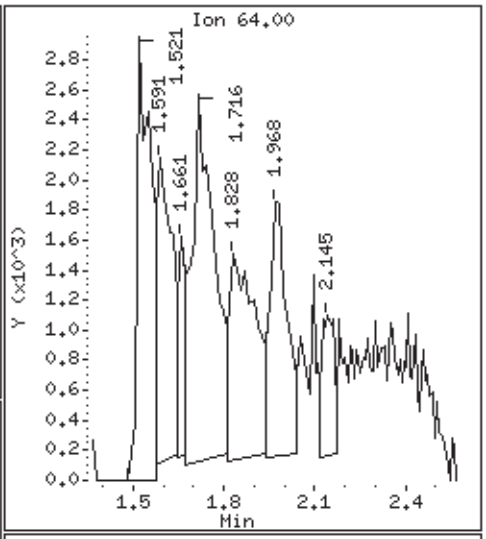
Column phase: RTx-624

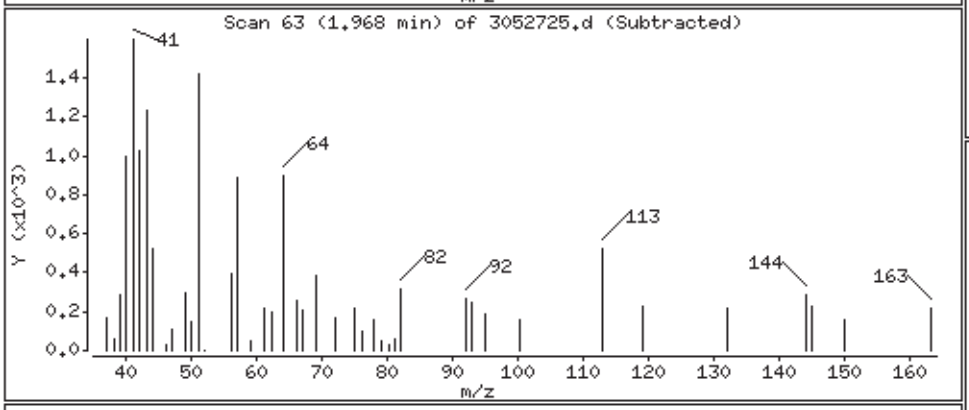
Column diameter: 0.53

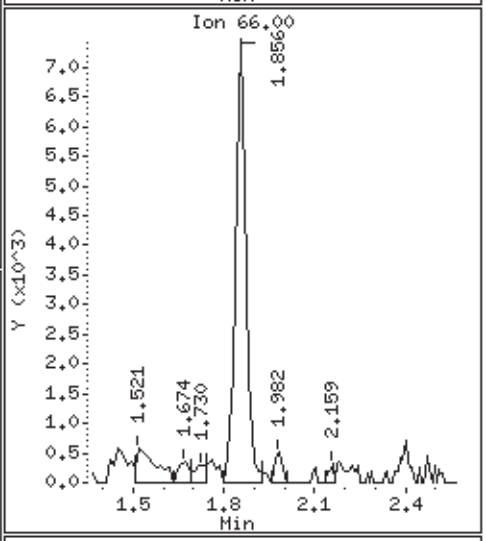
24 Chloroethane

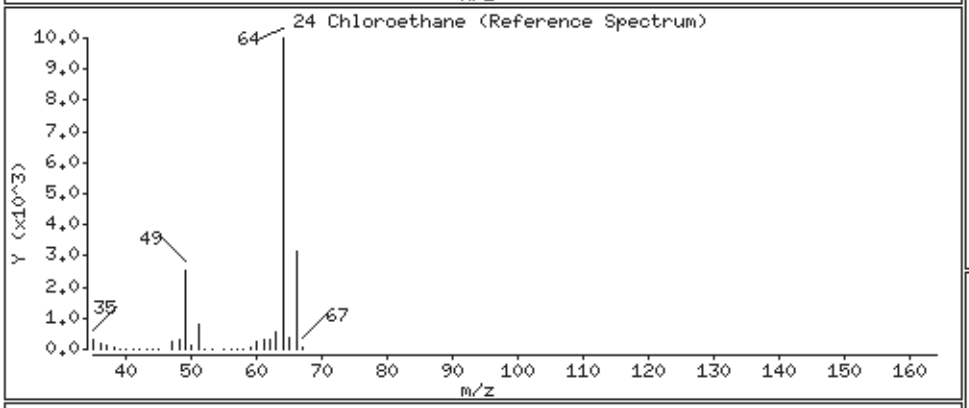
Concentration: 2.619 PPBV

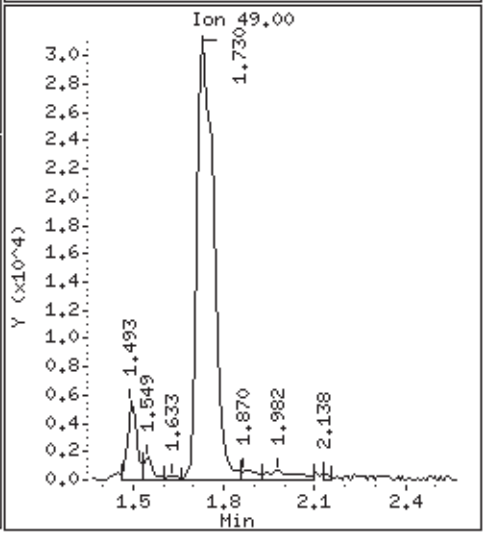


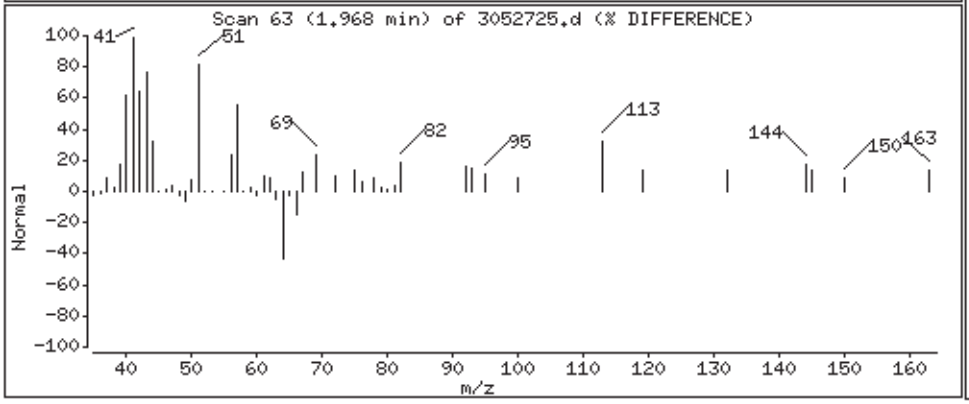












Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

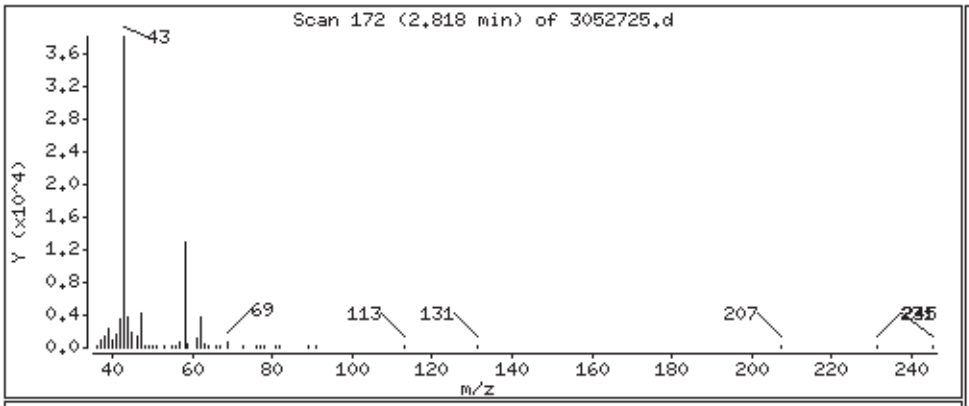
Operator: ww

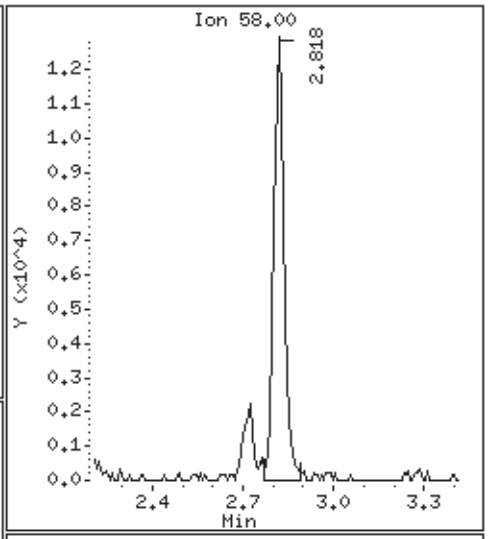
Column phase: RTx-624

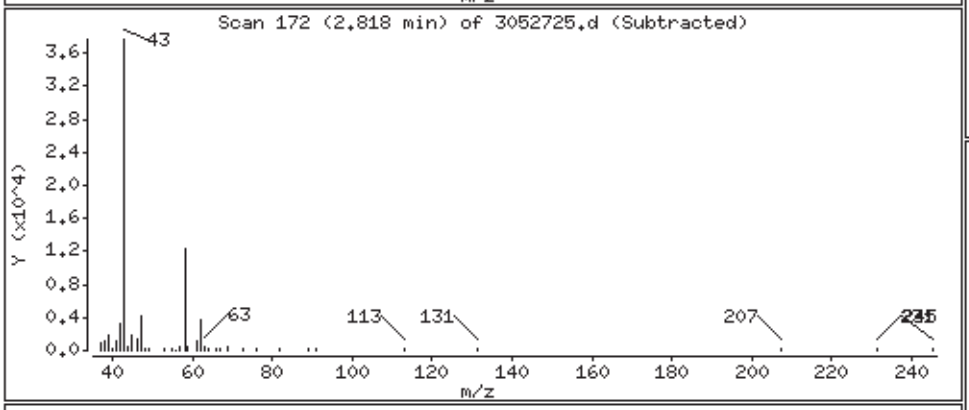
Column diameter: 0.53

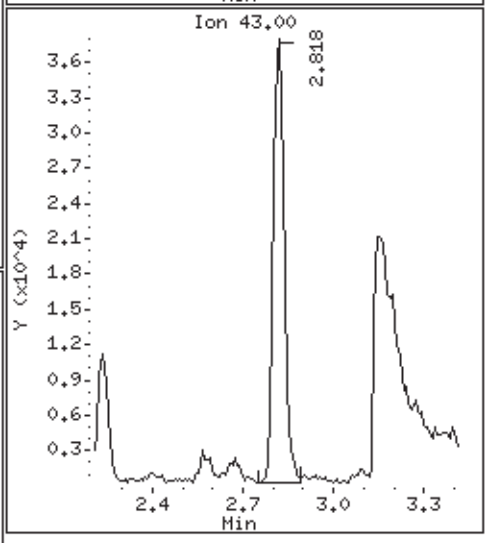
34 Acetone

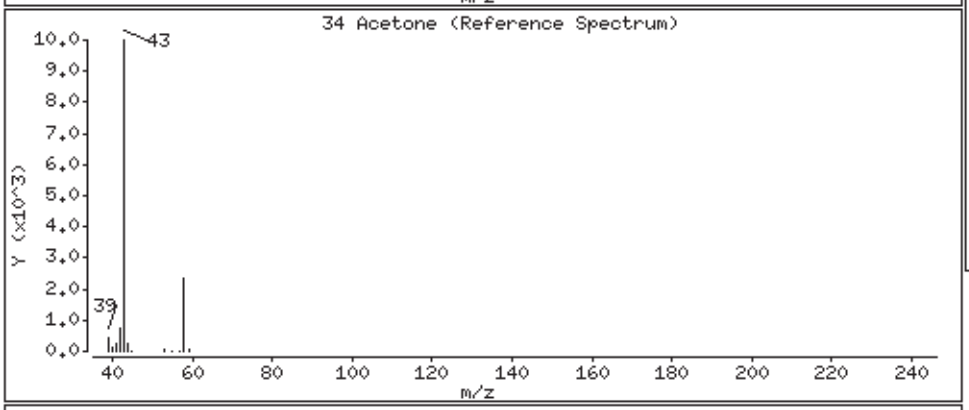
Concentration: 13.470 PPBV

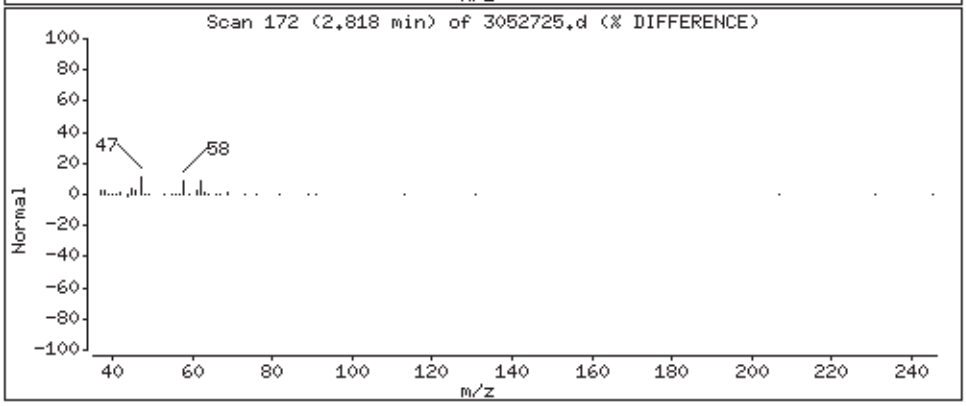












Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

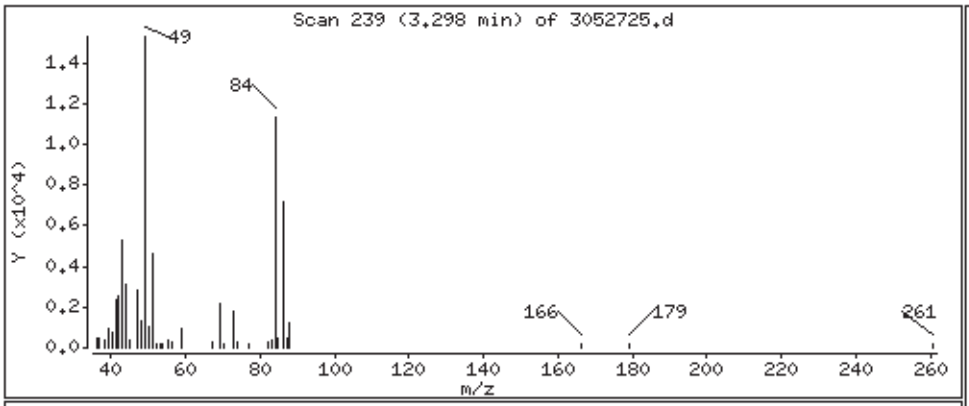
Operator: ww

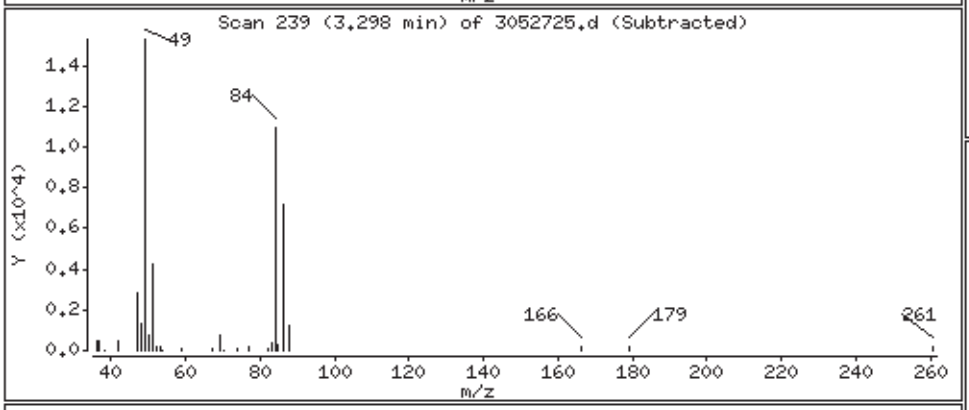
Column phase: RTx-624

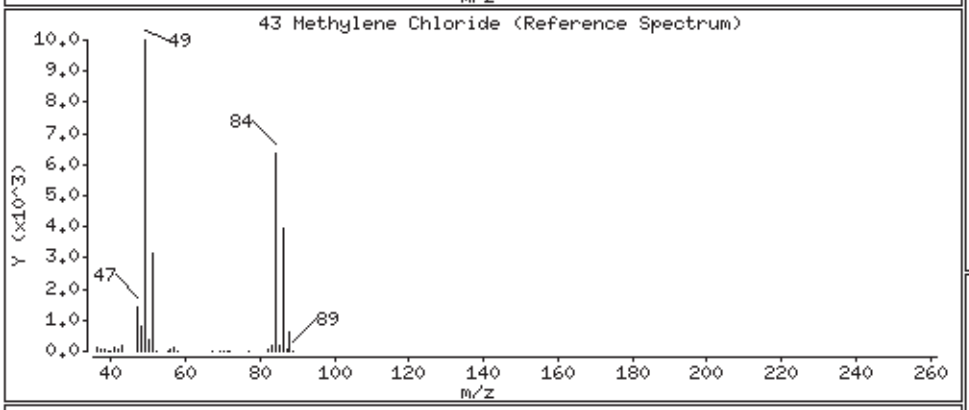
Column diameter: 0.53

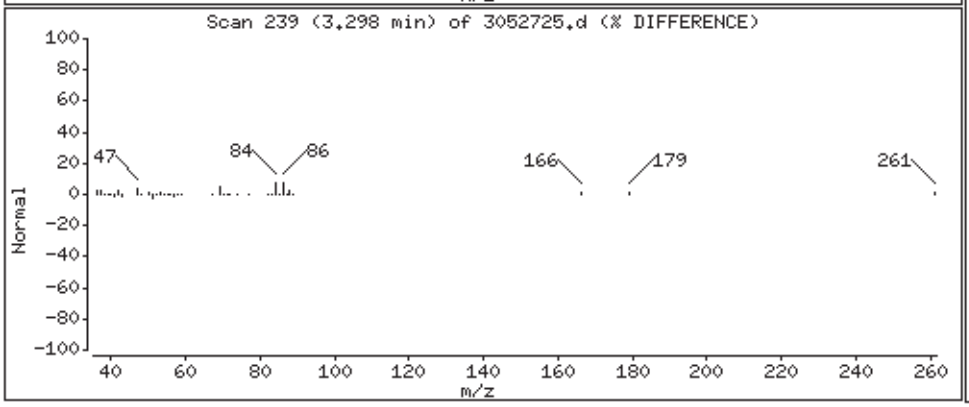
43 Methylene Chloride

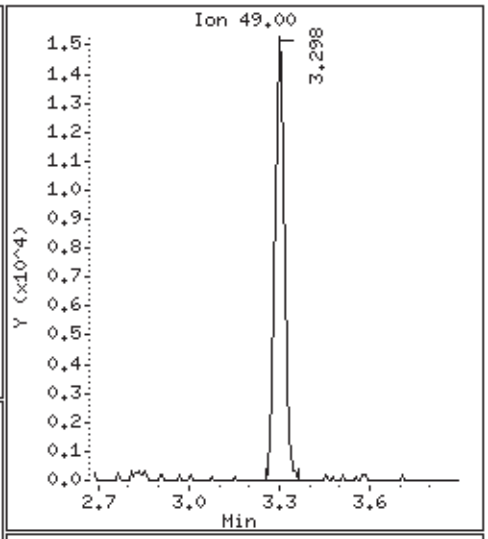
Concentration: 6.300 PPBV

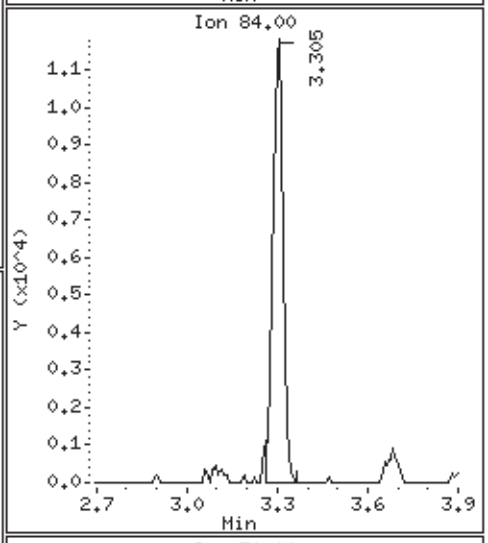


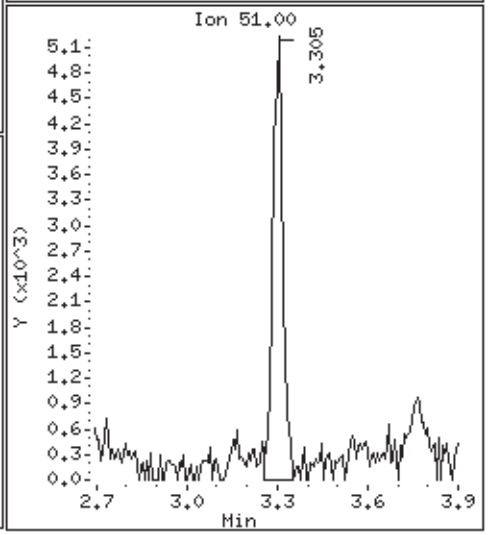












Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

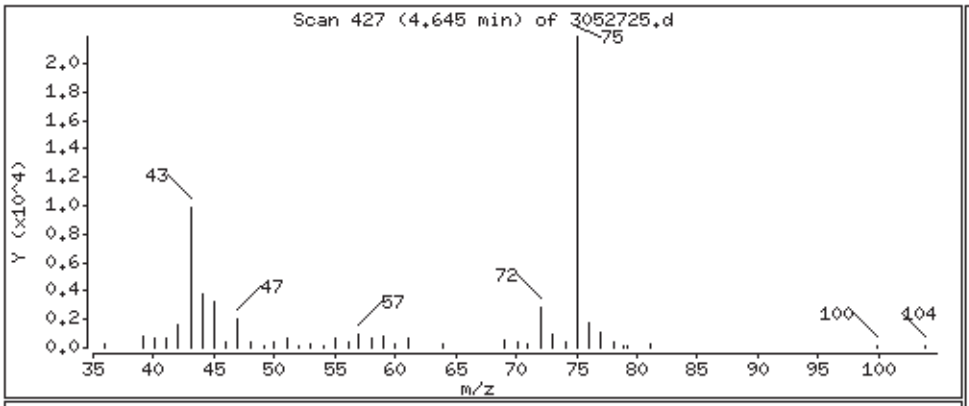
Operator: ww

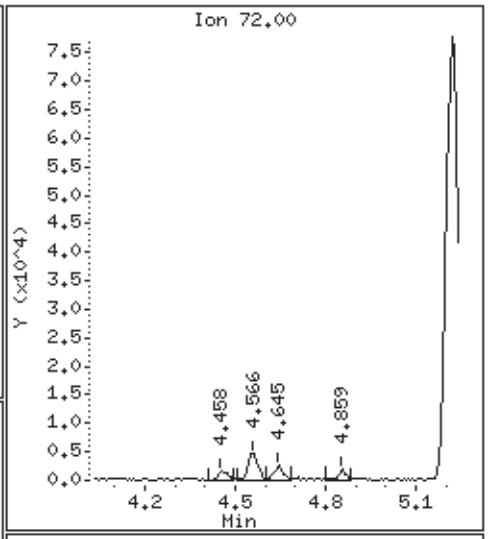
Column phase: RTx-624

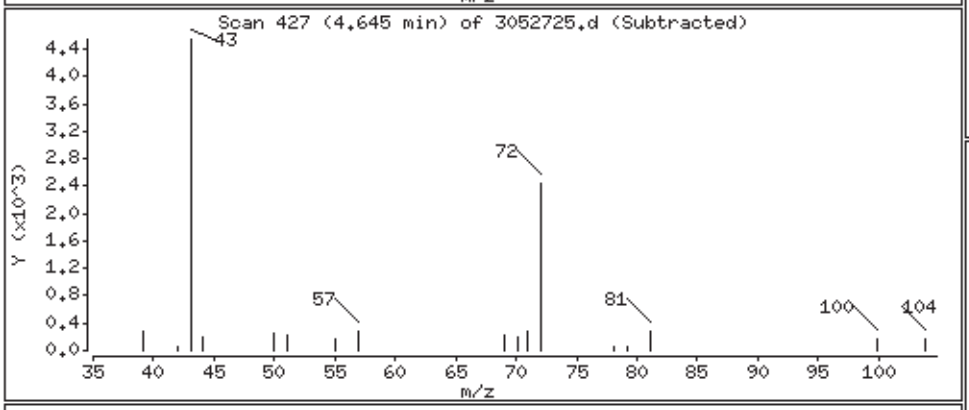
Column diameter: 0.53

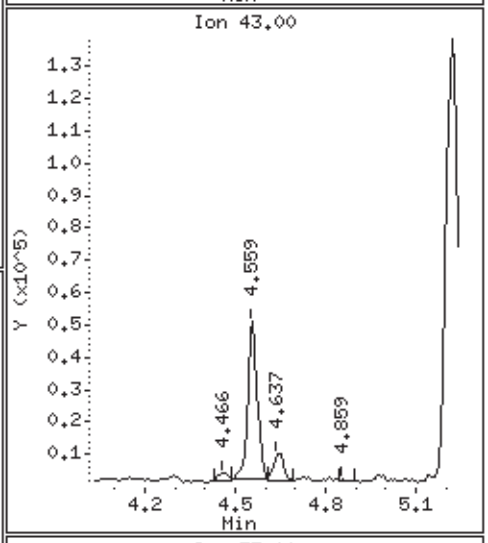
74 2-Butanone

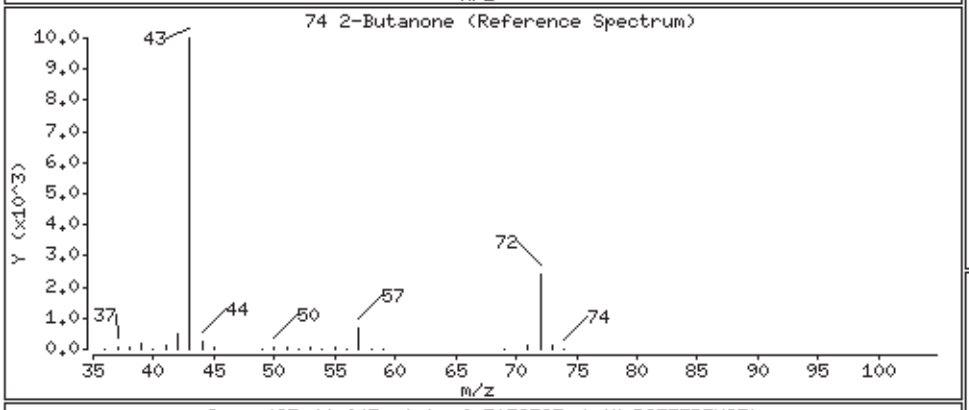
Concentration: 1.933 PPBV

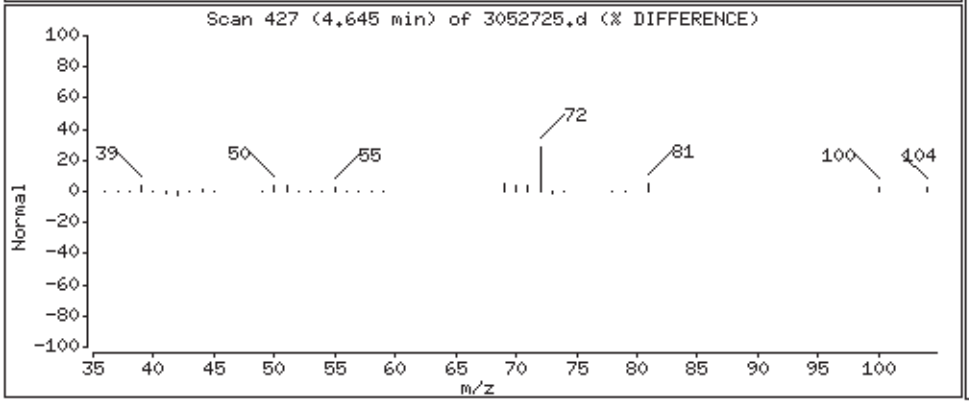


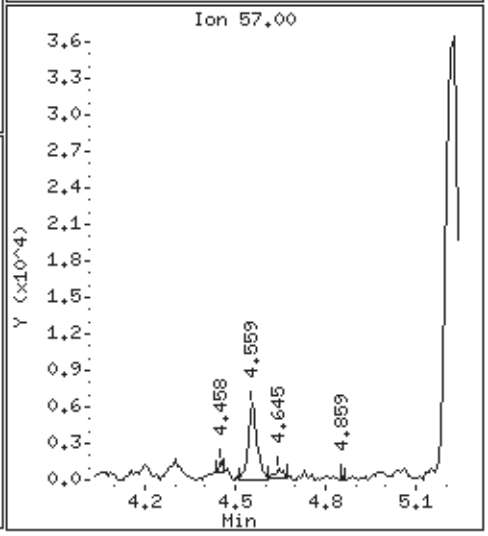












Data File: /chem/msd3.i/27may10.b/3052725.d

Date : 27-MAY-2010 23:59

Client ID:

Instrument: msd3.i

Sample Info: 200mL #33382

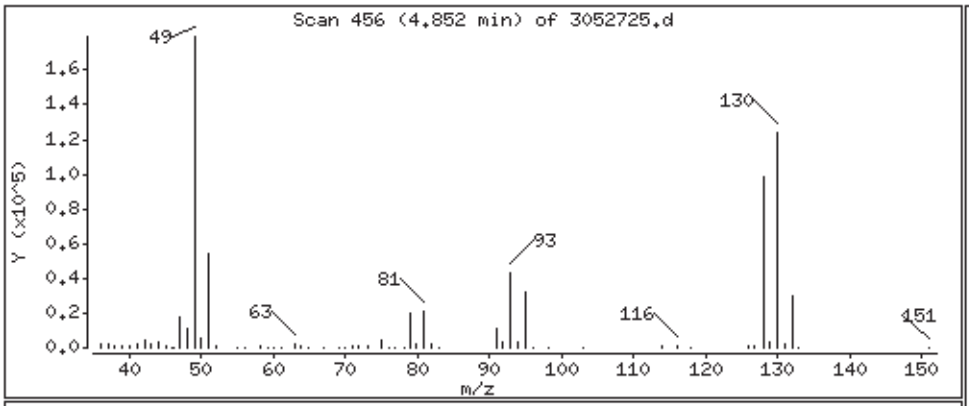
Operator: ww

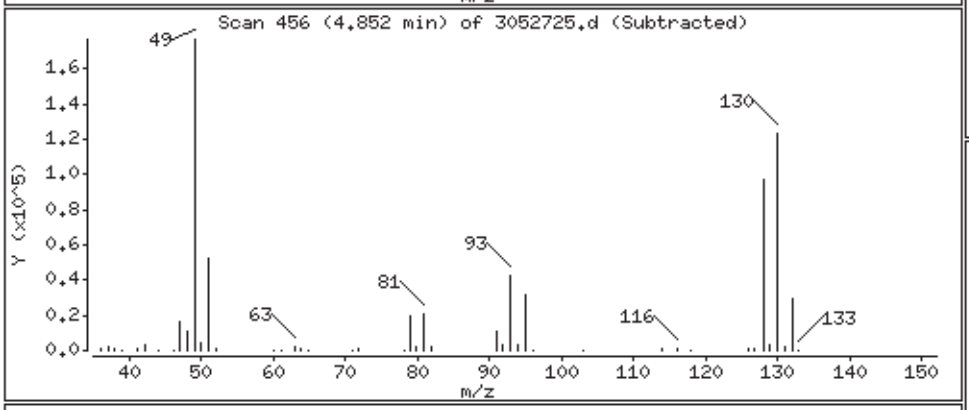
Column phase: RTx-624

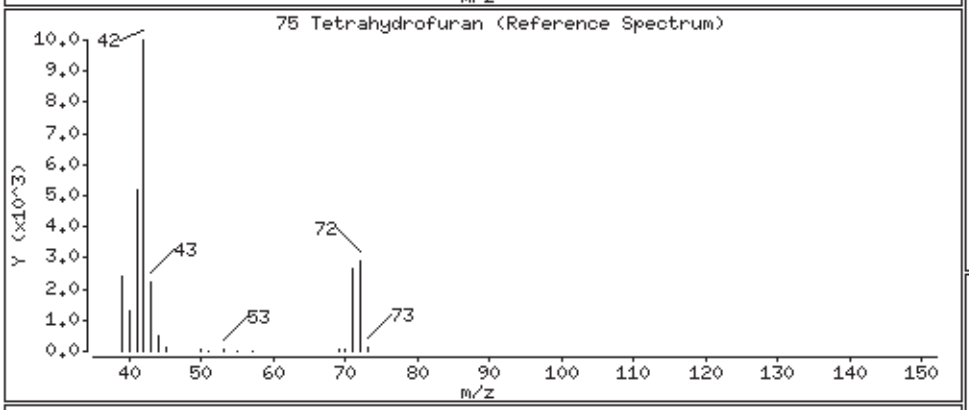
Column diameter: 0.53

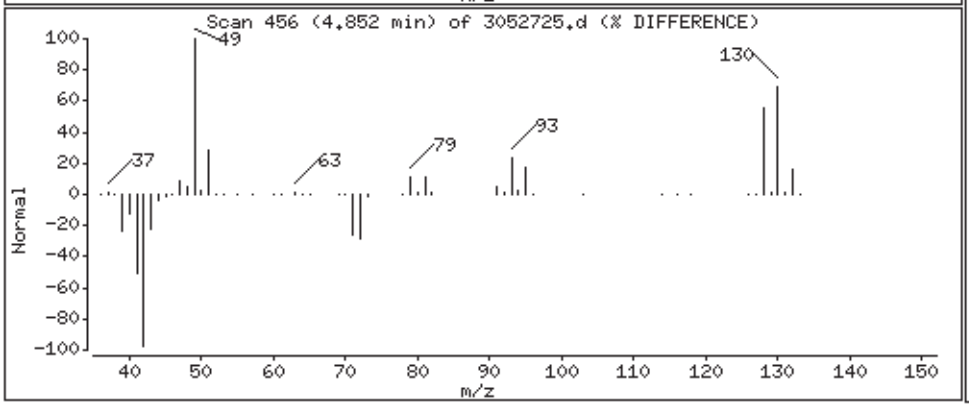
75 Tetrahydrofuran

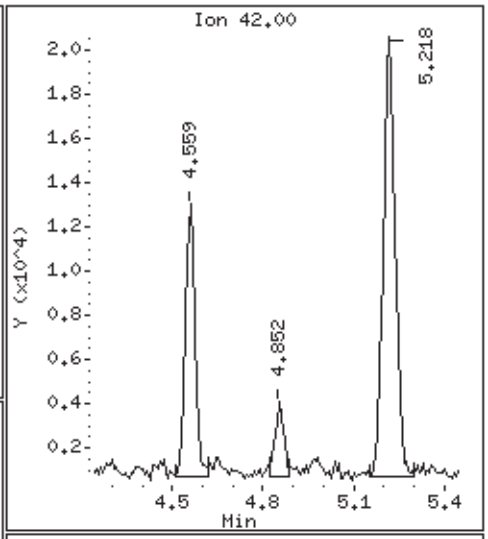
Concentration: 0.9545 PPBV

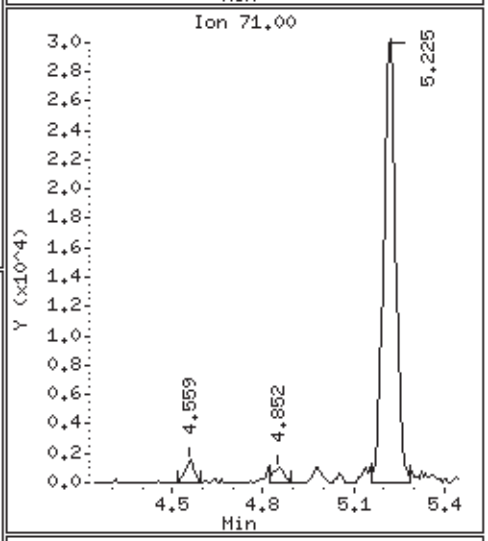


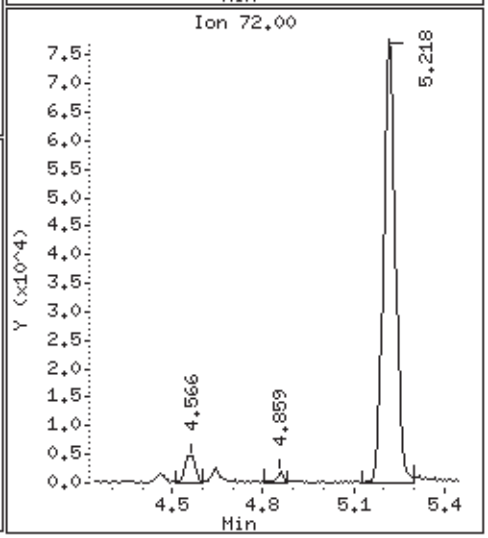












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-13

Lab ID#: 1005453A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	3.8	62	7.8	130
Chloroethane	0.94	2.4	2.5	6.4
Acetone	3.8	10	8.9	25
Methylene Chloride	0.94	9.8	3.3	34
2-Butanone (Methyl Ethyl Ketone)	0.94	1.2	2.8	3.4

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-13

Lab ID#: 1005453A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052727**	**Date of Collection:**	**5/16/10 2:27:00 PM**
Dil. Factor:	**1.88**	**Date of Analysis:**	**5/28/10 01:39 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.94	Not Detected	4.6	Not Detected
Freon 114	0.94	Not Detected	6.6	Not Detected
Chloromethane	3.8	62	7.8	130
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
1,3-Butadiene	0.94	Not Detected	2.1	Not Detected
Bromomethane	0.94	Not Detected	3.6	Not Detected
Chloroethane	0.94	2.4	2.5	6.4
Freon 11	0.94	Not Detected	5.3	Not Detected
Ethanol	3.8	Not Detected	7.1	Not Detected
Freon 113	0.94	Not Detected	7.2	Not Detected
1,1-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Acetone	3.8	10	8.9	25
2-Propanol	3.8	Not Detected	9.2	Not Detected
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
Methylene Chloride	0.94	9.8	3.3	34
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Hexane	0.94	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.94	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	1.2	2.8	3.4
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
Chloroform	0.94	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Cyclohexane	0.94	Not Detected	3.2	Not Detected
Carbon Tetrachloride	0.94	Not Detected	5.9	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Benzene	0.94	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.94	Not Detected	3.8	Not Detected
Heptane	0.94	Not Detected	3.8	Not Detected
Trichloroethene	0.94	Not Detected	5.0	Not Detected
1,2-Dichloropropane	0.94	Not Detected	4.3	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
cis-1,3-Dichloropropene	0.94	Not Detected	4.3	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
Toluene	0.94	Not Detected	3.5	Not Detected
trans-1,3-Dichloropropene	0.94	Not Detected	4.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-13

Lab ID#: 1005453A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052727**	**Date of Collection: 5/16/10 2:27:00 PM**	
Dil. Factor:	**1.88**	**Date of Analysis: 5/28/10 01:39 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Tetrachloroethene	0.94	Not Detected	6.4	Not Detected
2-Hexanone	3.8	Not Detected	15	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
1,2-Dibromoethane (EDB)	0.94	Not Detected	7.2	Not Detected
Chlorobenzene	0.94	Not Detected	4.3	Not Detected
Ethyl Benzene	0.94	Not Detected	4.1	Not Detected
m,p-Xylene	0.94	Not Detected	4.1	Not Detected
o-Xylene	0.94	Not Detected	4.1	Not Detected
Styrene	0.94	Not Detected	4.0	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
1,1,2,2-Tetrachloroethane	0.94	Not Detected	6.4	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
1,3,5-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,2,4-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
alpha-Chlorotoluene	0.94	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	40	Not Detected
TPH ref. to Gasoline (MW=100)	19	Not Detected	77	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/27may10.b/3052727.d
Lab Smp Id: 1005453A-05A
Inj Date : 28-MAY-2010 01:39
Operator : ww Inst ID: msd3.i
Smp Info : 200mL #34725
Misc Info : 8.6"Hg-5psi
Comment :
Method : /var/chem/msd3.i/27may10.b/310q0520a.m
Meth Date : 27-May-2010 10:51 abarton Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.88000
Integrator: HP RTE Compound Sublist: TO15.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	232812	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	180210			28.10- 128.10	77.41
4.852	4.845 (1.000)	49	332315			81.21- 181.21	142.74
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	793581	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	129717			0.00- 66.01	16.35
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	697677	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	385690			6.08- 106.08	55.28
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	293700	23.0787	23.079	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	159628			4.53- 104.53	54.35
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	7.001 (1.215)	98	765607	25.0416	25.042	80.00- 120.00	100.00
7.001	7.001 (1.215)	70	88878			0.00- 61.77	11.61

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	7.001 (1.215)	100	516396			17.54- 117.54	67.45
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	350818	24.4709	24.471	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	504998			89.80- 189.80	143.95
9.236	9.236 (1.121)	176	338925			47.30- 147.30	96.61
11 Chloromethane					CAS #: 74-87-3		
1.492	1.479 (0.308)	50	143603	33.2171	62.448	80.00- 120.00	100.00
1.492	1.479 (0.308)	52	46589			0.00- 89.83	32.44
24 Chloroethane					CAS #: 75-00-3		
1.982	1.968 (0.408)	64	6905	1.28031	2.407	80.00- 120.00	100.00
1.968	1.968 (0.406)	66	1423			0.00- 91.47	20.61
1.982	1.968 (0.408)	49	2242			0.00- 76.92	32.47
34 Acetone					CAS #: 67-64-1		
2.818	2.811 (0.581)	58	24953	5.60608	10.539	80.00- 120.00	100.00
2.818	2.811 (0.581)	43	79365			294.99- 394.99	318.06
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.291 (0.680)	49	55171	5.23798	9.847	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	46859			30.55- 130.55	84.93
3.298	3.298 (0.680)	51	18230			0.00- 78.00	33.04
74 2-Butanone					CAS #: 78-93-3		
4.644	4.637 (0.957)	72	3673	0.61604	1.158	80.00- 120.00	100.00
4.644	4.637 (0.957)	43	12698			367.38- 467.38	345.71
4.637	4.637 (0.956)	57	2244			0.00- 82.47	61.09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052727.d
Lab Smp Id: 1005453A-05A
Analysis Type: VOA
Quant Type: ISTD
Operator: ww
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 8.6"Hg-5psi

Calibration Date: 27-MAY-2010
Calibration Time: 09:24
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258488	155093	361883	232812	-9.93
97 1,4-Difluorobenze	894304	536582	1252026	793581	-11.26
144 Chlorobenzene-d5	791587	474952	1108222	697677	-11.86

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.14
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 27may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-05A
Level: LOW Operator: ww
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: 8.6"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	23.079	92.31	70-130
$ 115 Toluene-d8	25.000	25.042	100.17	70-130
$ 159 Bromofluorobenzene	25.000	24.471	97.88	70-130

Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

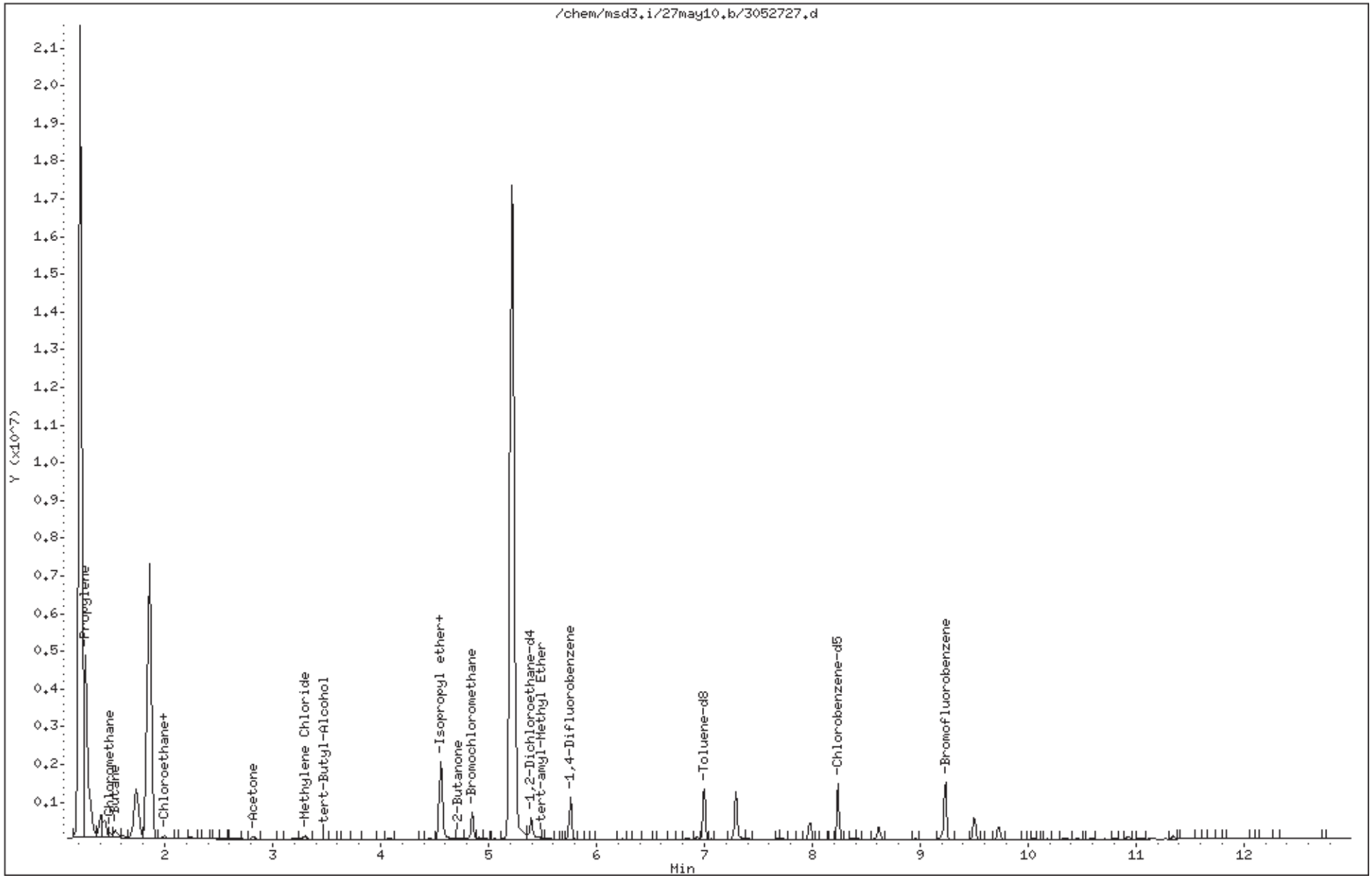
Instrument: msd3.i

Sample Info: 200mL #34725

Operator: ww

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34725

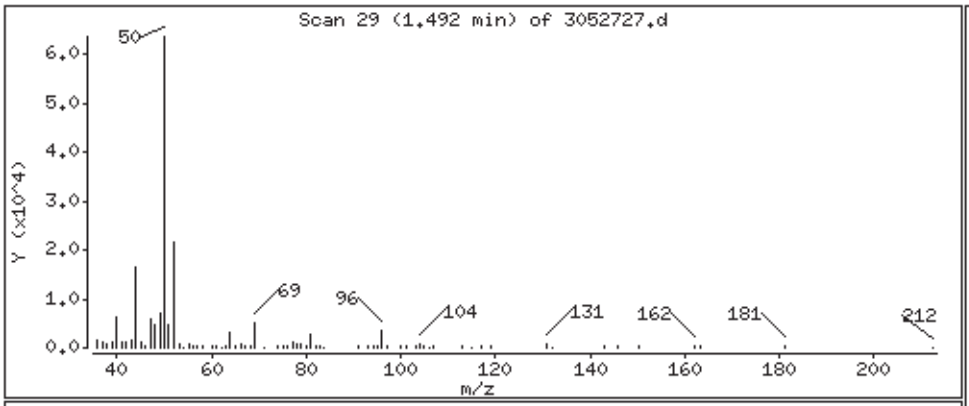
Operator: ww

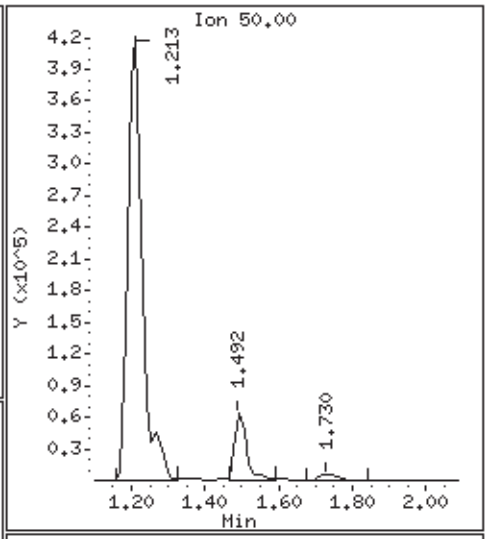
Column phase: RTx-624

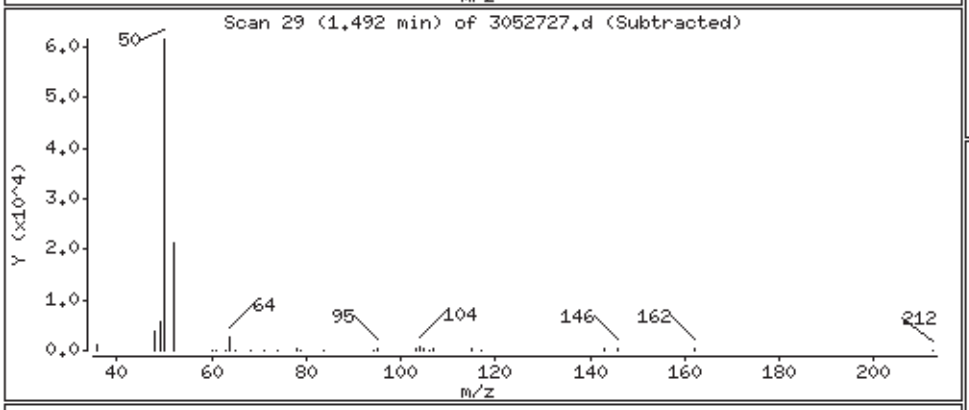
Column diameter: 0.53

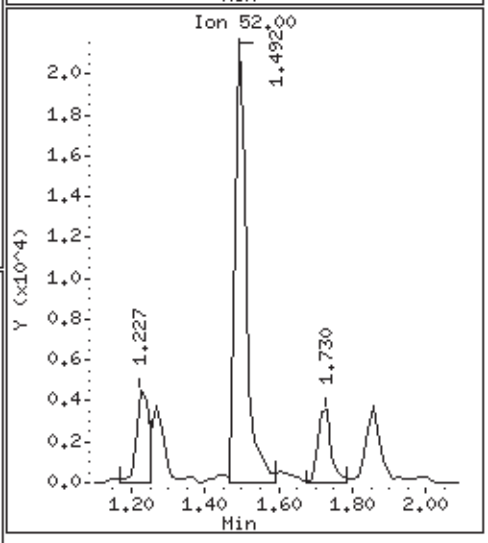
11 Chloromethane

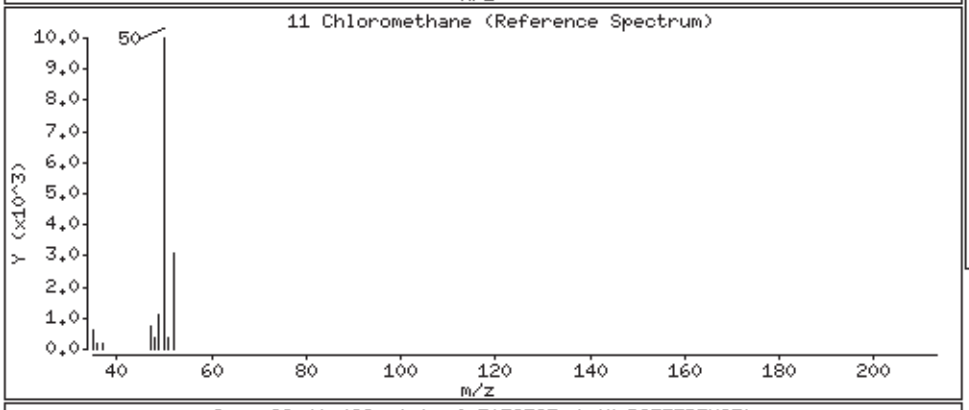
Concentration: 62.448 PPBV

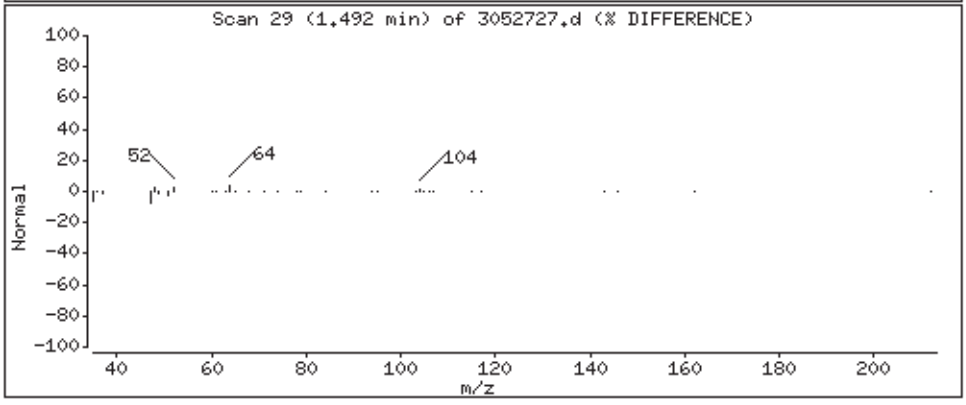












Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34725

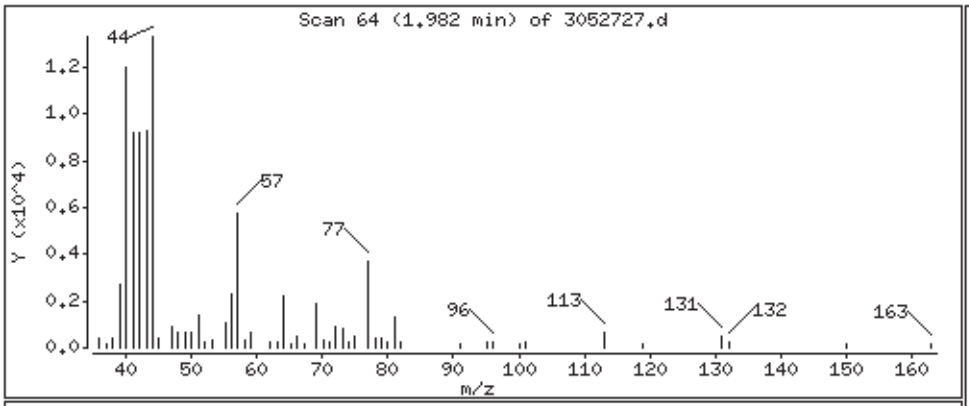
Operator: ww

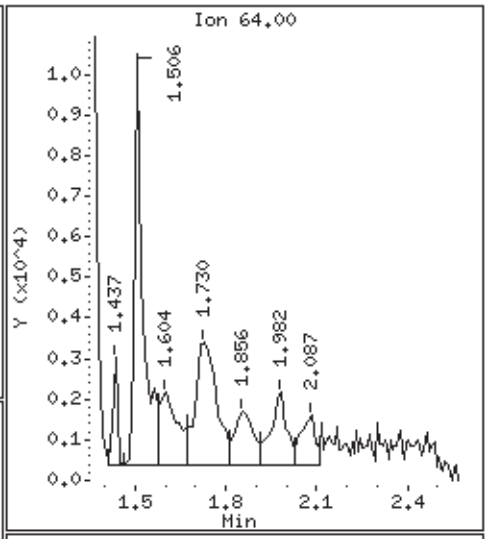
Column phase: RTx-624

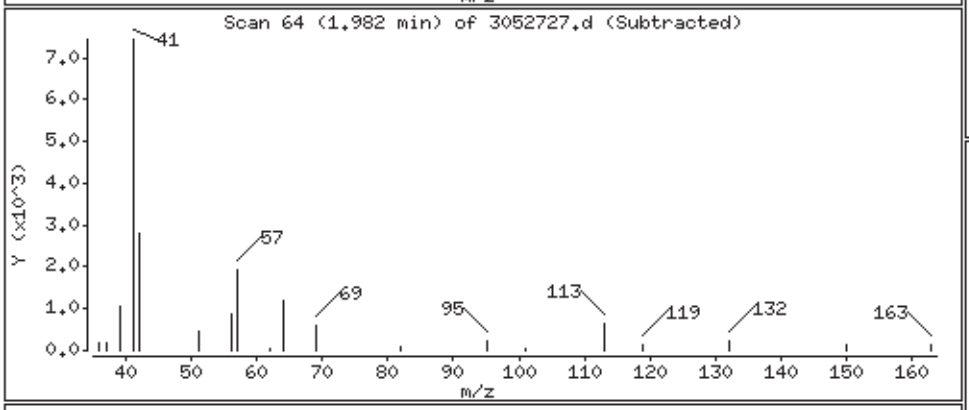
Column diameter: 0.53

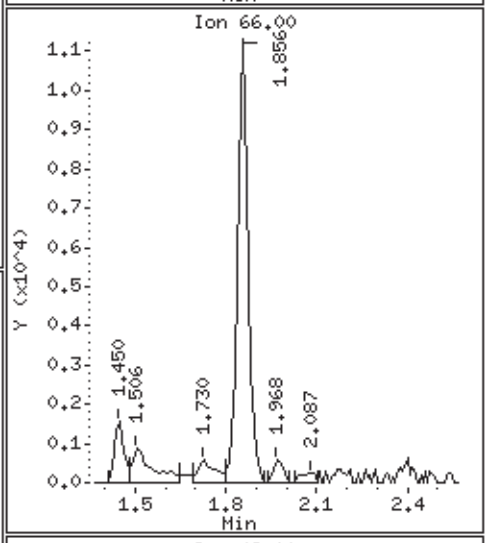
24 Chloroethane

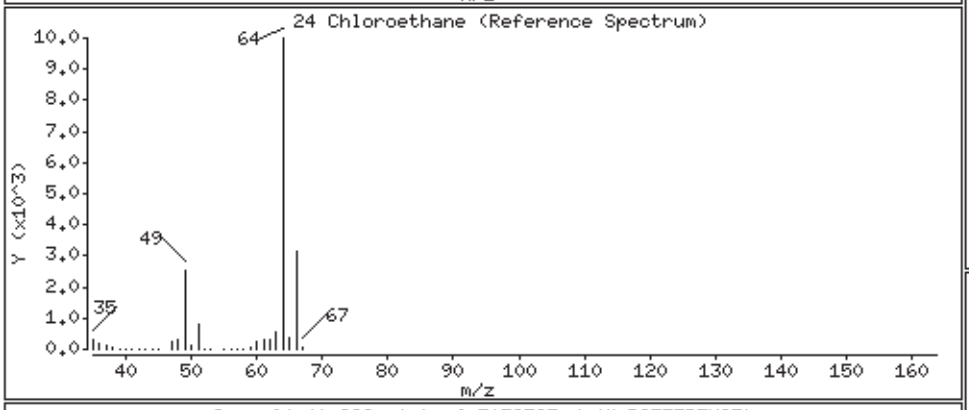
Concentration: 2.407 PPBV

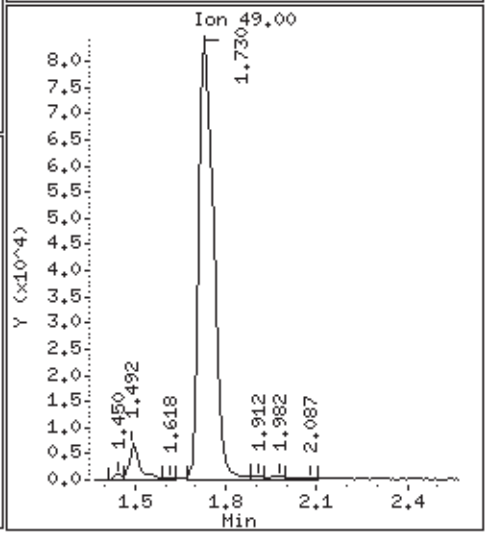


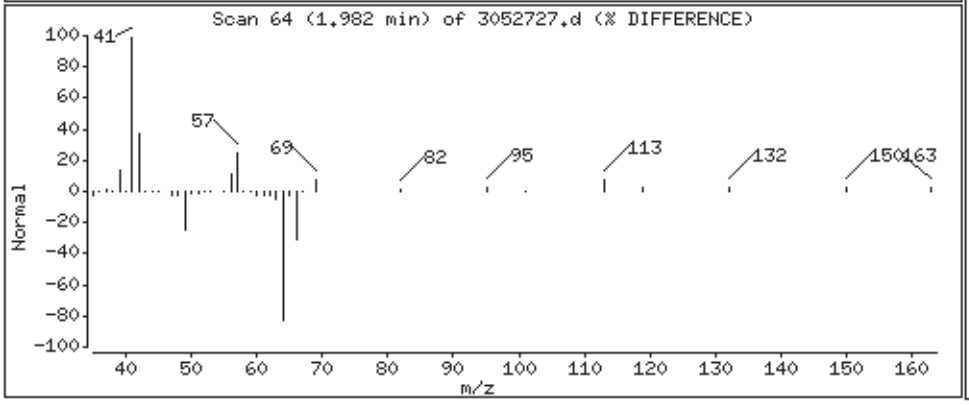












Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34725

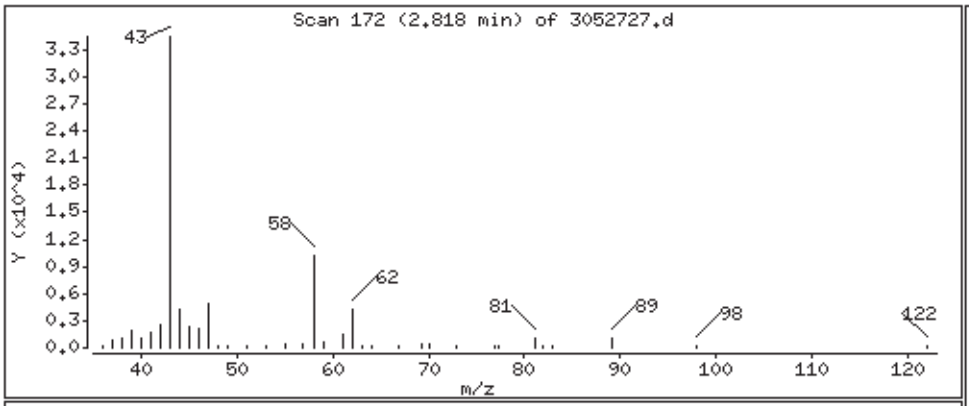
Operator: ww

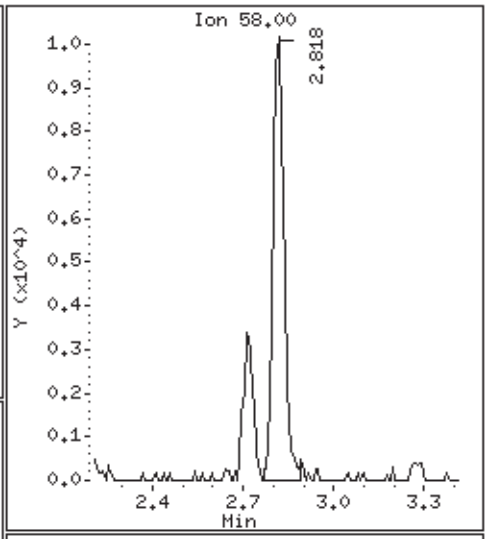
Column phase: RTx-624

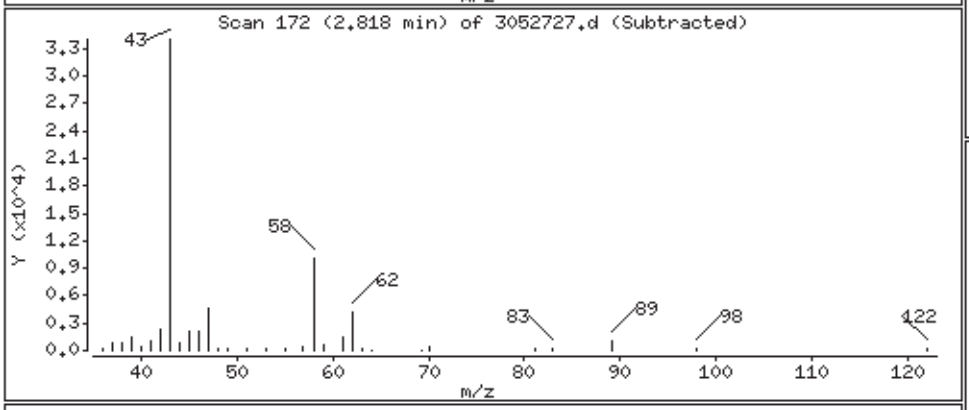
Column diameter: 0.53

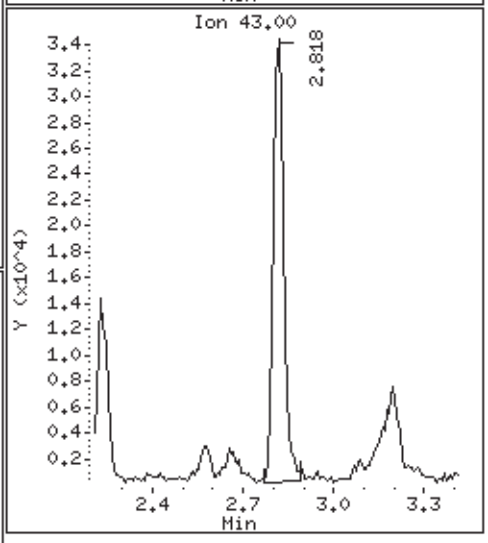
34 Acetone

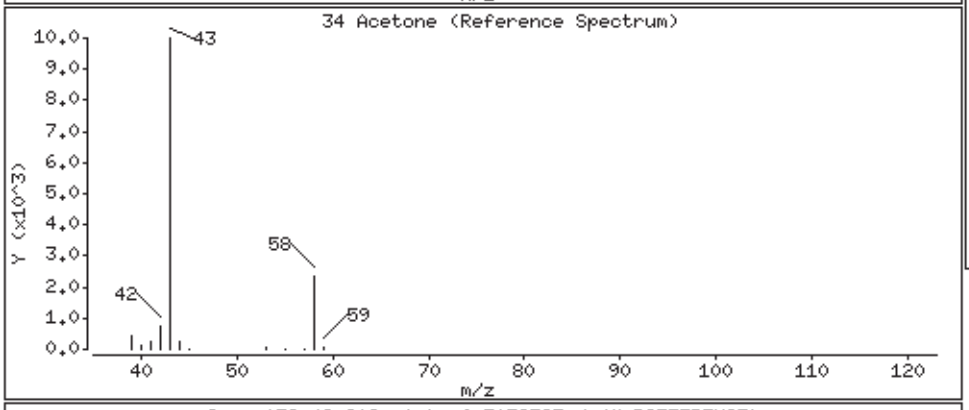
Concentration: 10.539 PPBV

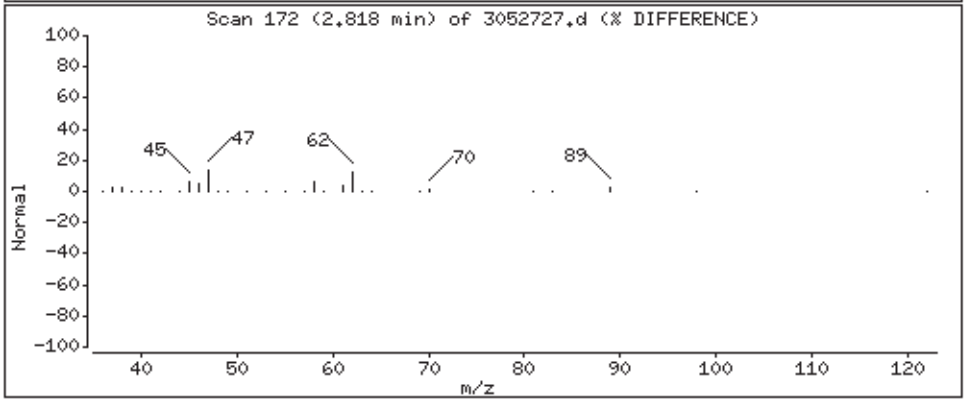












Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34725

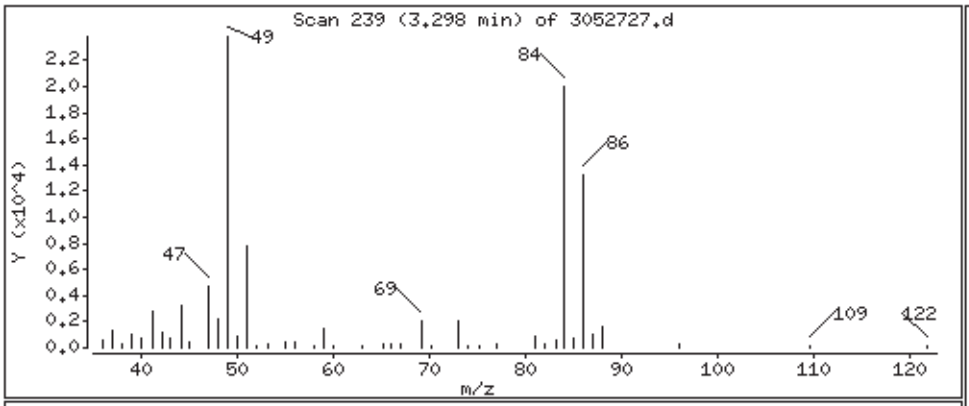
Operator: ww

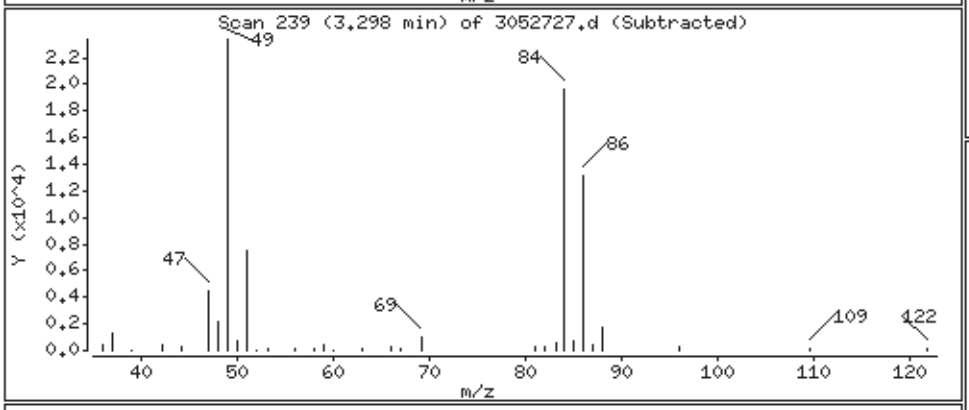
Column phase: RTx-624

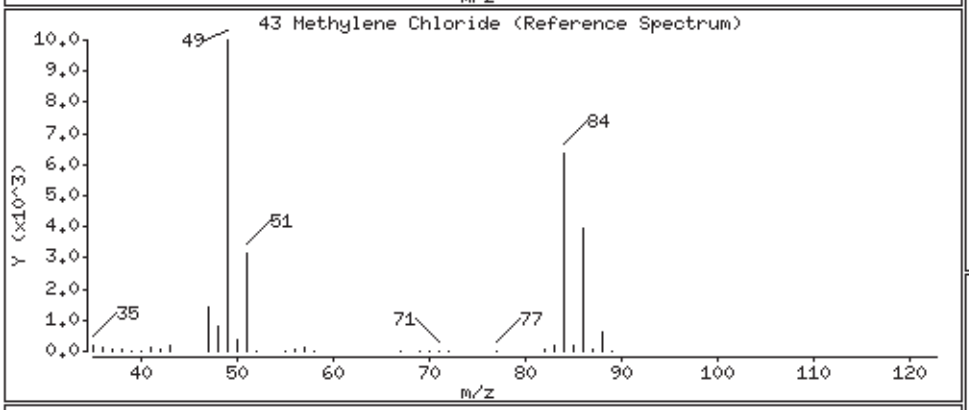
Column diameter: 0.53

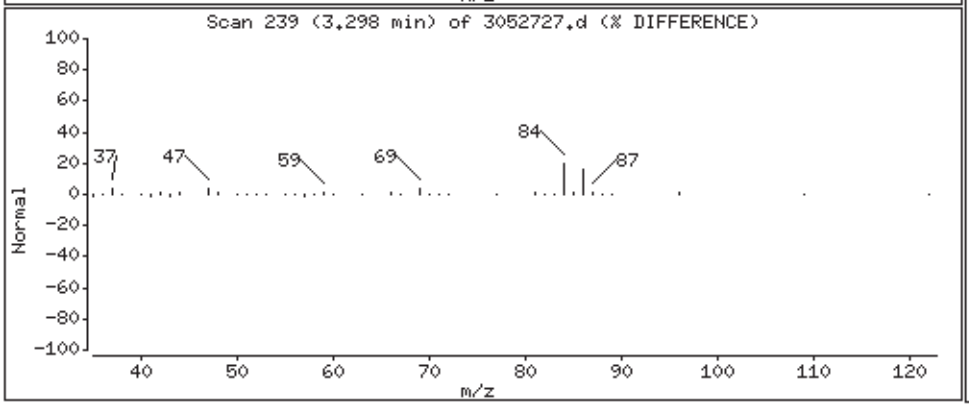
43 Methylene Chloride

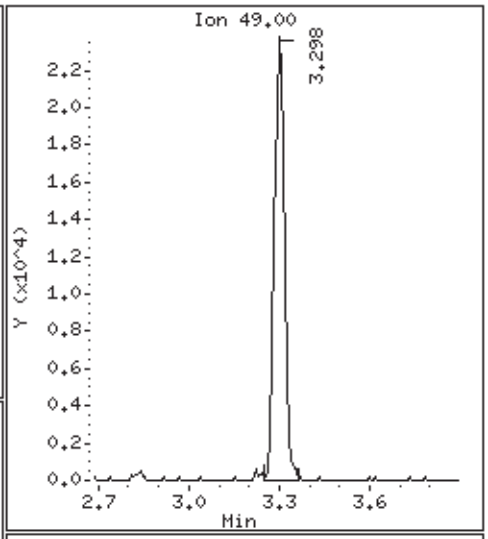
Concentration: 9.847 PPBV

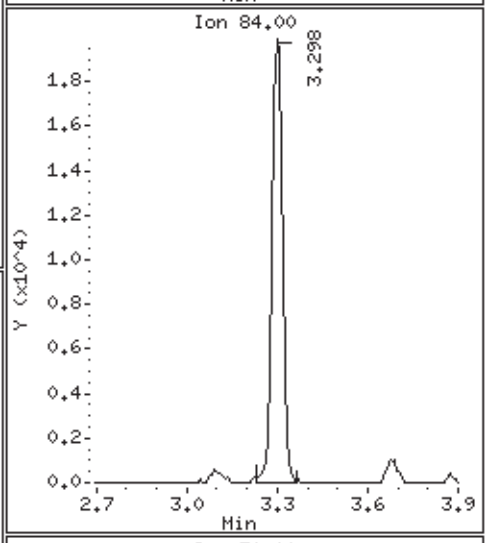


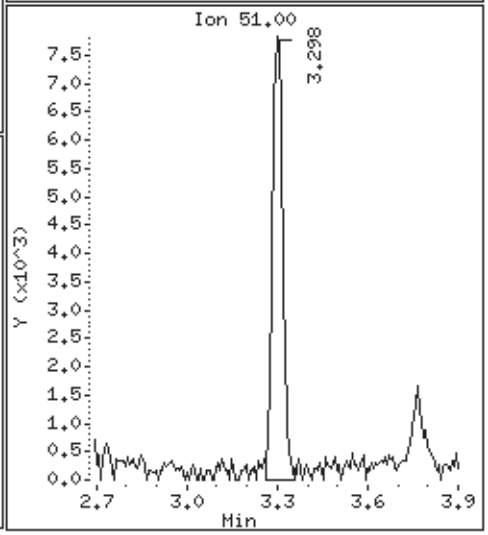












Data File: /chem/msd3.i/27may10.b/3052727.d

Date : 28-MAY-2010 01:39

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34725

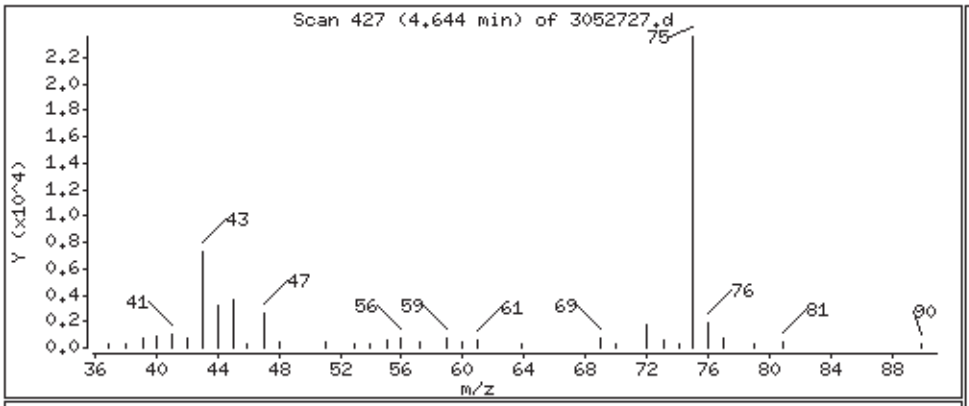
Operator: ww

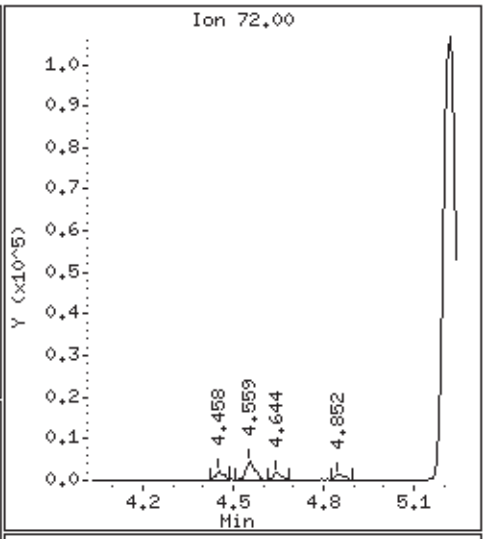
Column phase: RTx-624

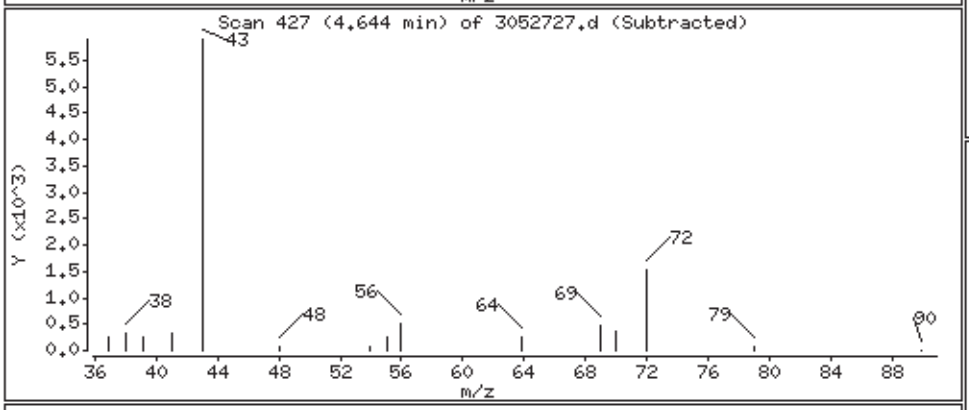
Column diameter: 0.53

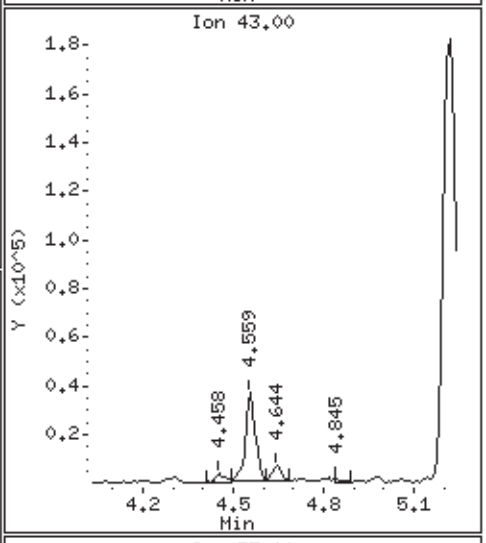
74 2-Butanone

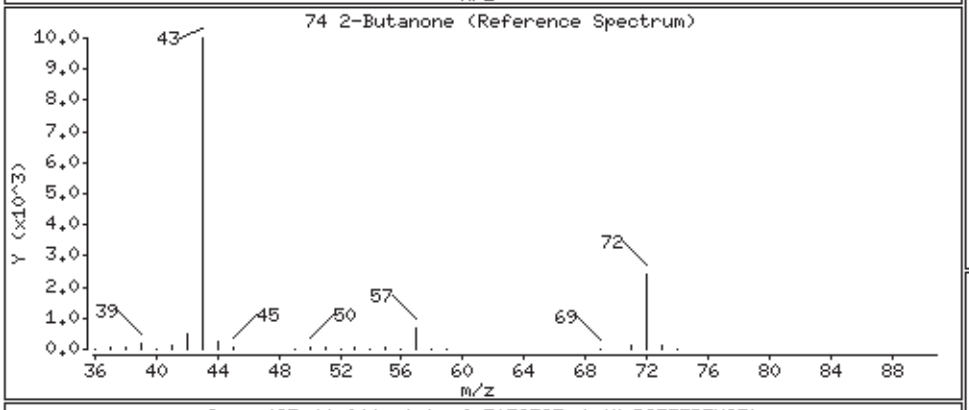
Concentration: 1.158 PPBV

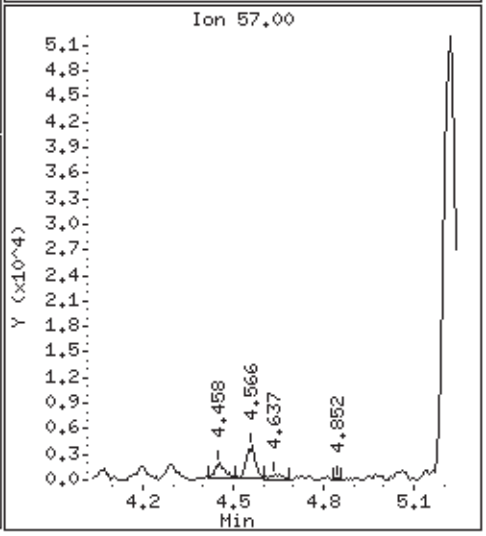


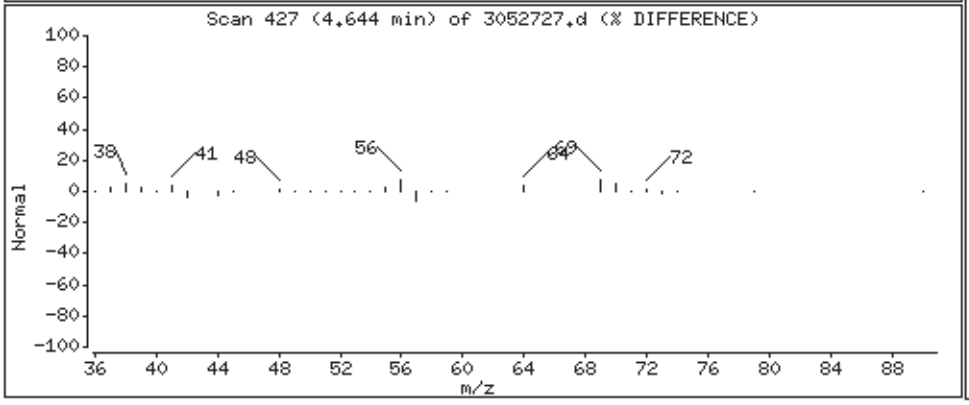












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-1

Lab ID#: 1005453A-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	4.0	4.2	9.4	9.9
Methylene Chloride	1.0	13	3.4	45

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-1

Lab ID#: 1005453A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052807**	**Date of Collection:**	**5/16/10 11:36:00 AM**
Dil. Factor:	**1.99**	**Date of Analysis:**	**5/28/10 12:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	4.9	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Chloromethane	4.0	Not Detected	8.2	Not Detected
Vinyl Chloride	1.0	Not Detected	2.5	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
Ethanol	4.0	Not Detected	7.5	Not Detected
Freon 113	1.0	Not Detected	7.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Acetone	4.0	4.2	9.4	9.9
2-Propanol	4.0	Not Detected	9.8	Not Detected
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	1.0	13	3.4	45
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Tetrahydrofuran	1.0	Not Detected	2.9	Not Detected
Chloroform	1.0	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.6	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.0	Not Detected
Heptane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.3	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.5	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	Not Detected	3.7	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.5	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-1

Lab ID#: 1005453A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052807**	**Date of Collection: 5/16/10 11:36:00 AM**	
Dil. Factor:	**1.99**	**Date of Analysis: 5/28/10 12:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Tetrachloroethene	1.0	Not Detected	6.7	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Dibromochloromethane	1.0	Not Detected	8.5	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.6	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.3	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	1.0	Not Detected	4.3	Not Detected
Styrene	1.0	Not Detected	4.2	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.8	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	42	Not Detected
TPH ref. to Gasoline (MW=100)	20	Not Detected	81	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/28may10.b/3052807.d
Lab Smp Id: 1005453A-14A
Inj Date : 28-MAY-2010 12:05
Operator : cr Inst ID: msd3.i
Smp Info : 200mL #34371
Misc Info : 9.8"Hg - 5psi
Comment :
Method : /chem/msd3.i/28may10.b/310q0520a.m
Meth Date : 02-Jun-2010 12:12 ejakob Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.99000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	242639	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	190297			28.10- 128.10	78.43
4.845	4.845 (1.000)	49	353053			81.21- 181.21	145.51
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	895753	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	145301			0.00- 66.01	16.22
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	746553	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	411158			6.08- 106.08	55.07
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	325037	24.5067	24.507	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	175620			4.53- 104.53	54.03
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	6.994 (1.215)	98	822811	23.8429	23.843	80.00- 120.00	100.00
6.994	6.994 (1.214)	70	93942			0.00- 61.77	11.42

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	6.994 (1.215)	100	553787			17.54- 117.54	67.30
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	370722	24.1663	24.166	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	534113			89.80- 189.80	144.07
9.236	9.236 (1.121)	176	358046			47.30- 147.30	96.58
34 Acetone					CAS #: 67-64-1		
2.811	2.811 (0.579)	58	9705	2.09207	4.163	80.00- 120.00	100.00
2.811	2.811 (0.579)	43	31908			294.99- 394.99	328.78
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.298 (0.680)	49	71896	6.54941	13.033	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	56548			30.55- 130.55	78.65
3.298	3.298 (0.680)	51	22518			0.00- 78.00	31.32

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052807.d
Lab Smp Id: 1005453A-14A
Analysis Type: VOA
Quant Type: ISTD
Operator: cr
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 9.8"Hg - 5psi

Calibration Date: 28-MAY-2010
Calibration Time: 09:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258568	155141	361995	242639	-6.16
97 1,4-Difluorobenze	878539	527123	1229955	895753	1.96
144 Chlorobenzene-d5	772301	463381	1081221	746553	-3.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-14A
Level: LOW Operator: cr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 9.8"Hg - 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	24.507	98.03	70-130
$ 115 Toluene-d8	25.000	23.843	95.37	70-130
$ 159 Bromofluorobenzene	25.000	24.166	96.67	70-130

Data File: /chem/msd3.i/28may10.b/3052807.d

Page 1

Date : 28-MAY-2010 12:05

Client ID:

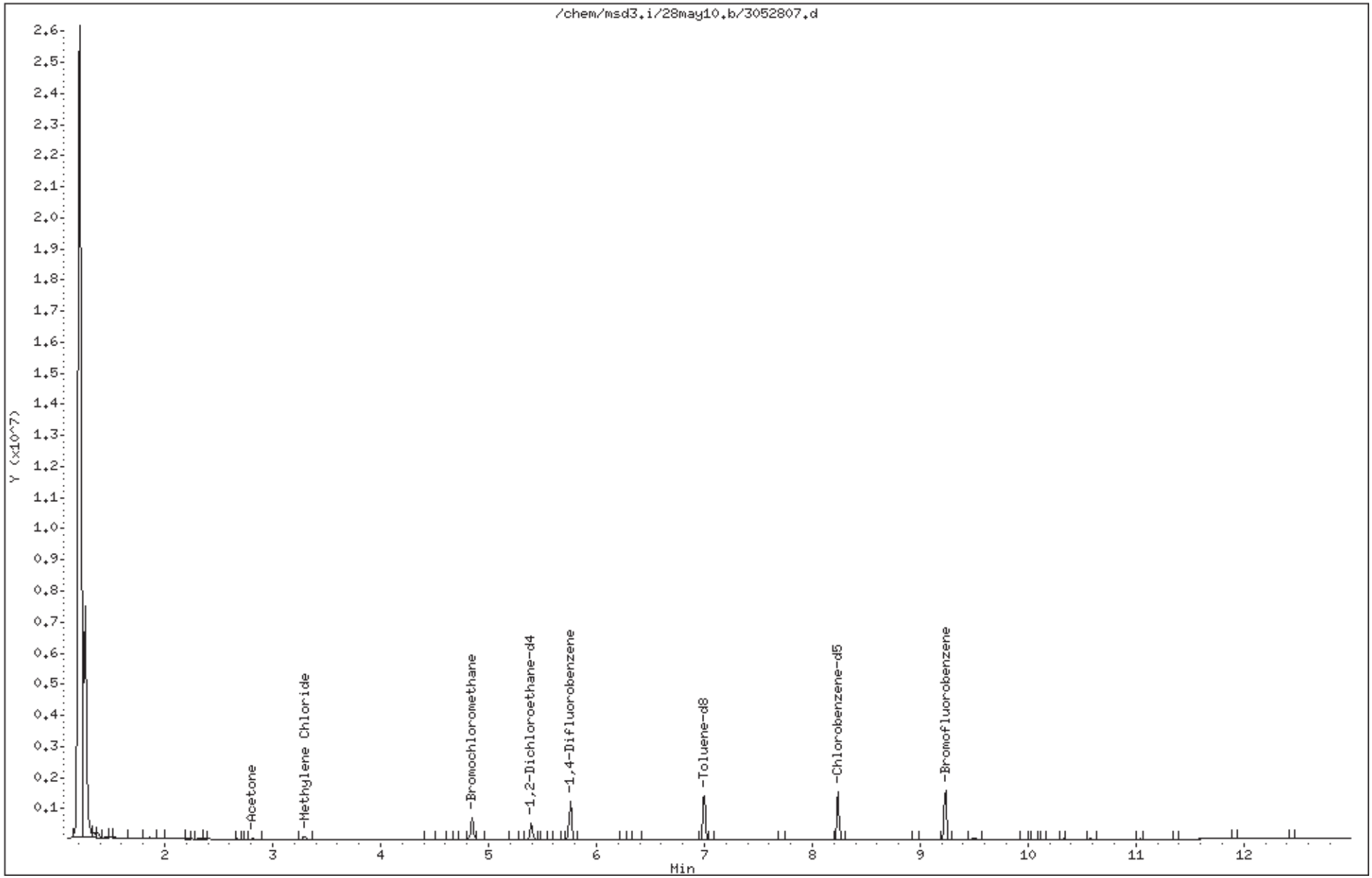
Instrument: msd3.i

Sample Info: 200mL #34371

Operator: cr

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/28may10.b/3052807.d

Date : 28-MAY-2010 12:05

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34371

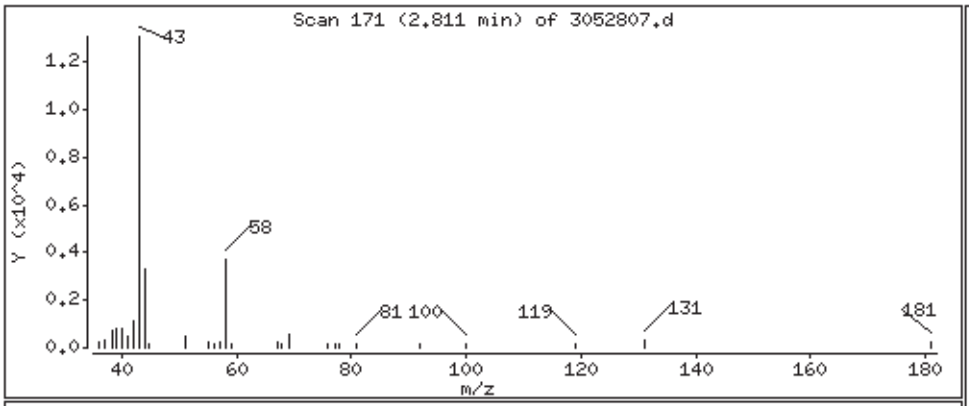
Operator: cr

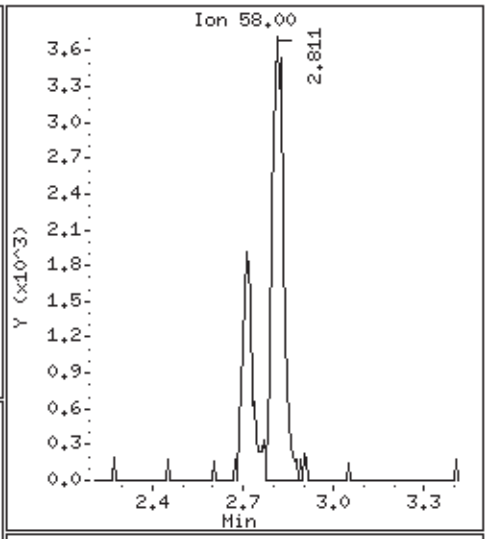
Column phase: RTx-624

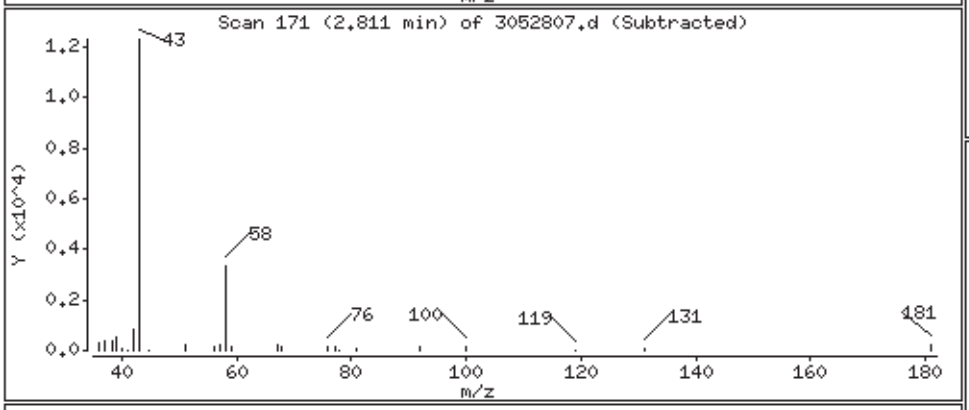
Column diameter: 0.53

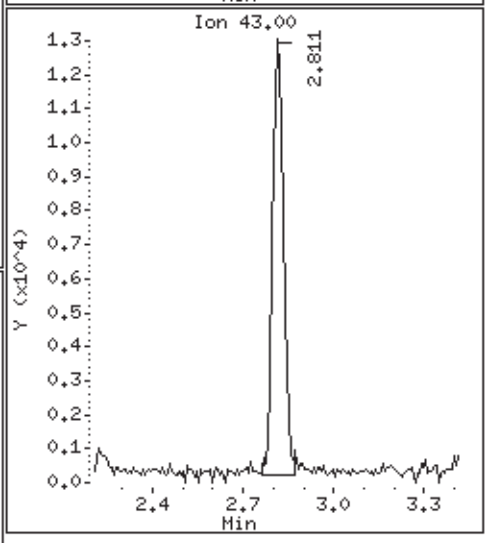
34 Acetone

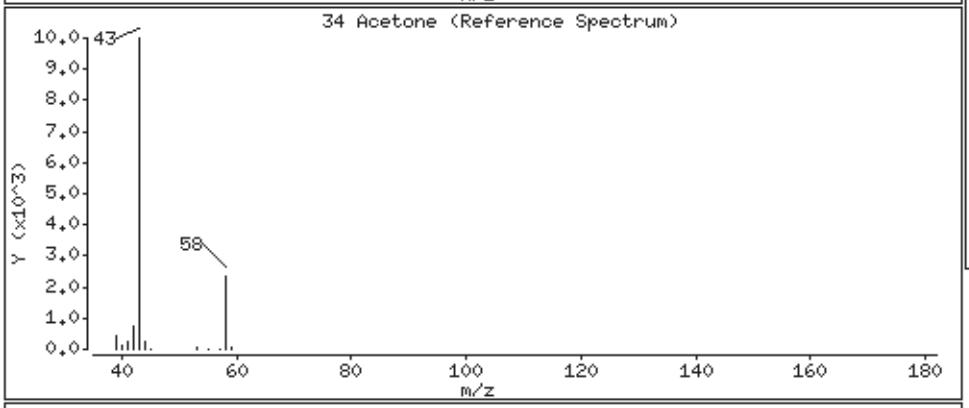
Concentration: 4.163 PPBV

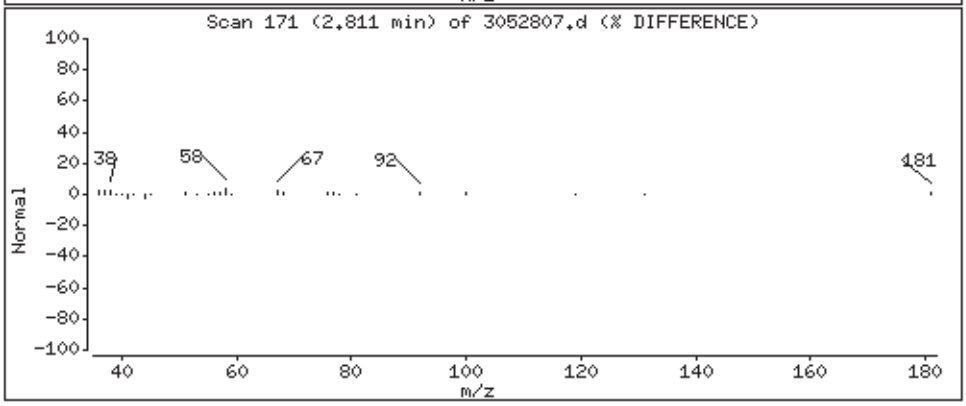












Data File: /chem/msd3.i/28may10.b/3052807.d

Date : 28-MAY-2010 12:05

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34371

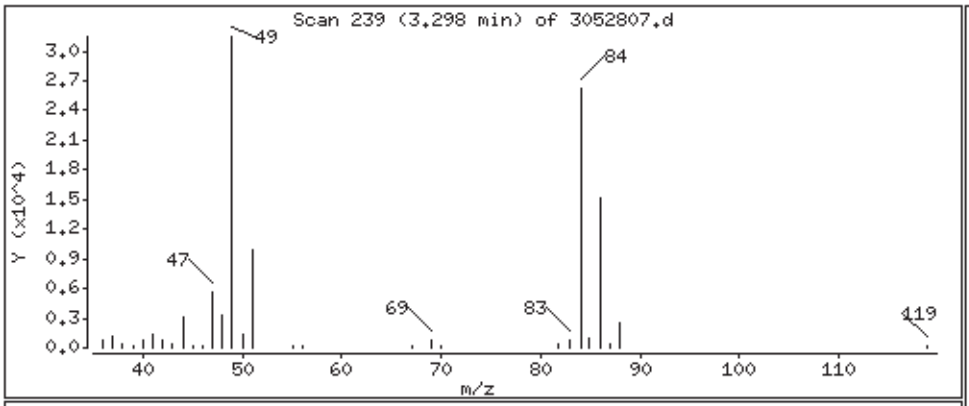
Operator: cr

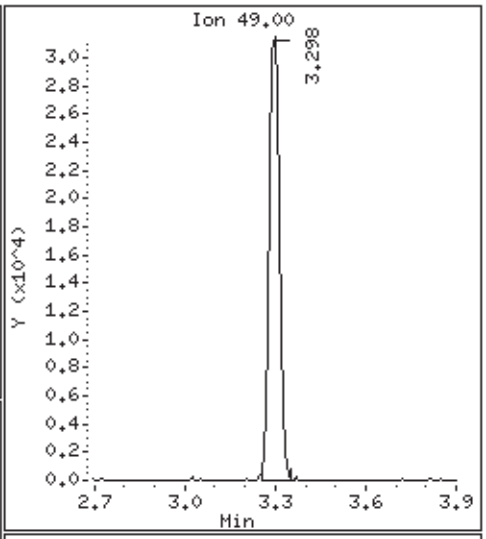
Column phase: RTx-624

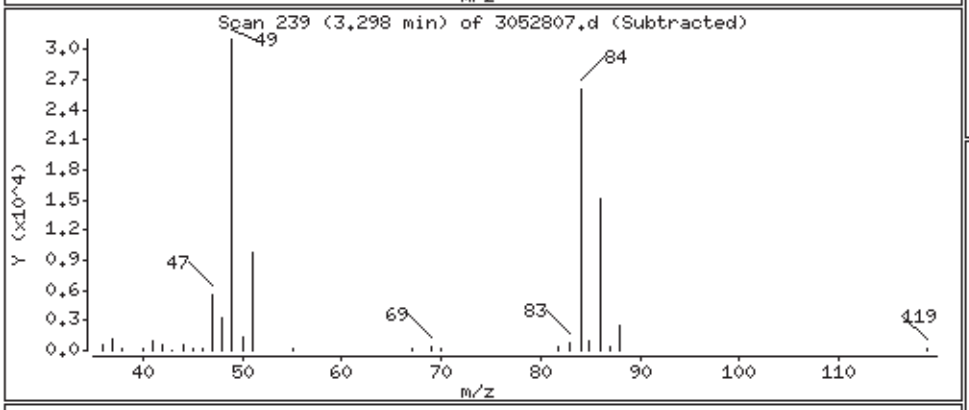
Column diameter: 0.53

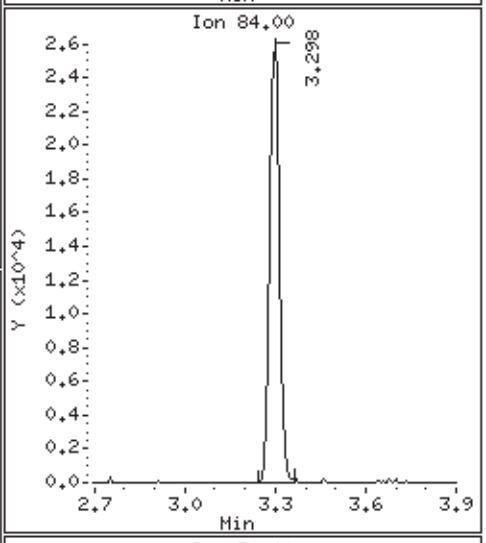
43 Methylene Chloride

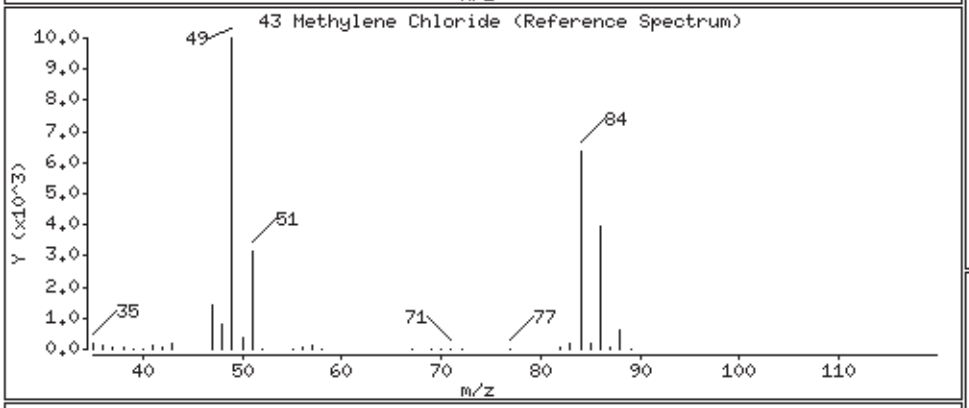
Concentration: 13.033 PPBV

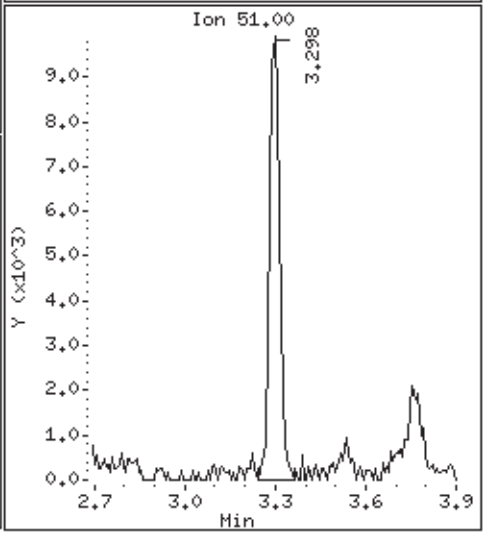


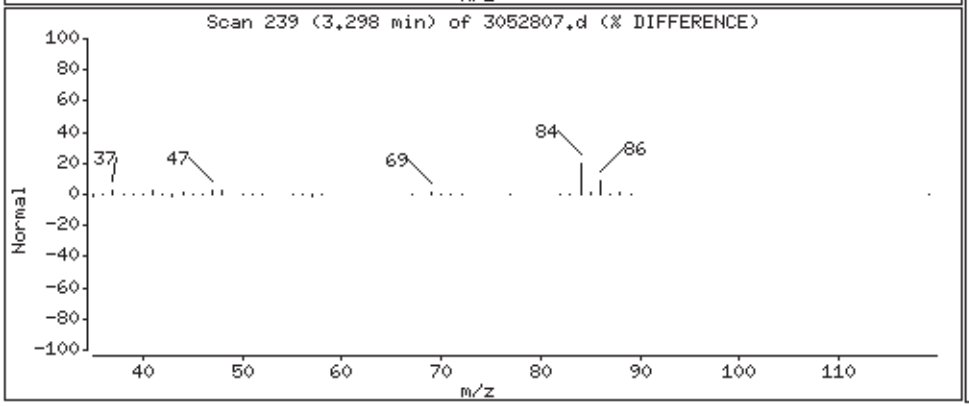












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-1 Lab Duplicate

Lab ID#: 1005453A-14AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	4.0	4.0	9.4	9.6
Methylene Chloride	1.0	12	3.4	42

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-1 Lab Duplicate

Lab ID#: 1005453A-14AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052808**	**Date of Collection:**	**5/16/10 11:36:00 AM**
Dil. Factor:	**1.99**	**Date of Analysis:**	**5/28/10 12:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	4.9	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Chloromethane	4.0	Not Detected	8.2	Not Detected
Vinyl Chloride	1.0	Not Detected	2.5	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
Ethanol	4.0	Not Detected	7.5	Not Detected
Freon 113	1.0	Not Detected	7.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Acetone	4.0	4.0	9.4	9.6
2-Propanol	4.0	Not Detected	9.8	Not Detected
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	1.0	12	3.4	42
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	3.9	Not Detected
Tetrahydrofuran	1.0	Not Detected	2.9	Not Detected
Chloroform	1.0	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.6	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.0	Not Detected
Heptane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.3	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.5	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	Not Detected	3.7	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.5	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-1 Lab Duplicate

Lab ID#: 1005453A-14AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052808**	**Date of Collection: 5/16/10 11:36:00 AM**	
Dil. Factor:	**1.99**	**Date of Analysis: 5/28/10 12:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Tetrachloroethene	1.0	Not Detected	6.7	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Dibromochloromethane	1.0	Not Detected	8.5	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.6	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.3	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	1.0	Not Detected	4.3	Not Detected
Styrene	1.0	Not Detected	4.2	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.8	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	42	Not Detected
TPH ref. to Gasoline (MW=100)	20	Not Detected	81	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/28may10.b/3052808.d
Lab Smp Id: 1005453A-14AA
Inj Date : 28-MAY-2010 12:28
Operator : cr Inst ID: msd3.i
Smp Info : 200mL #34371
Misc Info : 9.8"Hg - 5psi
Comment :
Method : /chem/msd3.i/28may10.b/310q0520a.m
Meth Date : 02-Jun-2010 12:12 ejakob Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.99000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	222669	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	176689			28.10- 128.10	79.35
4.845	4.845 (1.000)	49	321740			81.21- 181.21	144.49
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	845032	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	137302			0.00- 66.01	16.25
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	731371	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	411111			6.08- 106.08	56.21
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	305568	25.1050	25.105	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	161559			4.53- 104.53	52.87
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	6.994 (1.215)	98	808311	24.8286	24.829	80.00- 120.00	100.00
7.001	6.994 (1.215)	70	93233			0.00- 61.77	11.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	6.994 (1.215)	100	532997			17.54- 117.54	65.94
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	367035	24.4226	24.423	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	520484			89.80- 189.80	141.81
9.236	9.236 (1.121)	176	349850			47.30- 147.30	95.32
34 Acetone					CAS #: 67-64-1		
2.811	2.811 (0.579)	58	8626	2.02624	4.032	80.00- 120.00	100.00
2.811	2.811 (0.579)	43	29797			294.99- 394.99	345.43
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.298 (0.680)	49	61431	6.09798	12.135	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	48656			30.55- 130.55	79.20
3.298	3.298 (0.680)	51	19833			0.00- 78.00	32.29

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052808.d
Lab Smp Id: 1005453A-14AA
Analysis Type: VOA
Quant Type: ISTD
Operator: cr
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 9.8"Hg - 5psi

Calibration Date: 28-MAY-2010
Calibration Time: 09:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258568	155141	361995	222669	-13.88
97 1,4-Difluorobenze	878539	527123	1229955	845032	-3.81
144 Chlorobenzene-d5	772301	463381	1081221	731371	-5.30

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-14AA
Level: LOW Operator: cr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 9.8"Hg - 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	25.105	100.42	70-130
$ 115 Toluene-d8	25.000	24.829	99.31	70-130
$ 159 Bromofluorobenzene	25.000	24.423	97.69	70-130

Data File: /chem/msd3.i/28may10.b/3052808.d

Page 1

Date : 28-MAY-2010 12:28

Client ID:

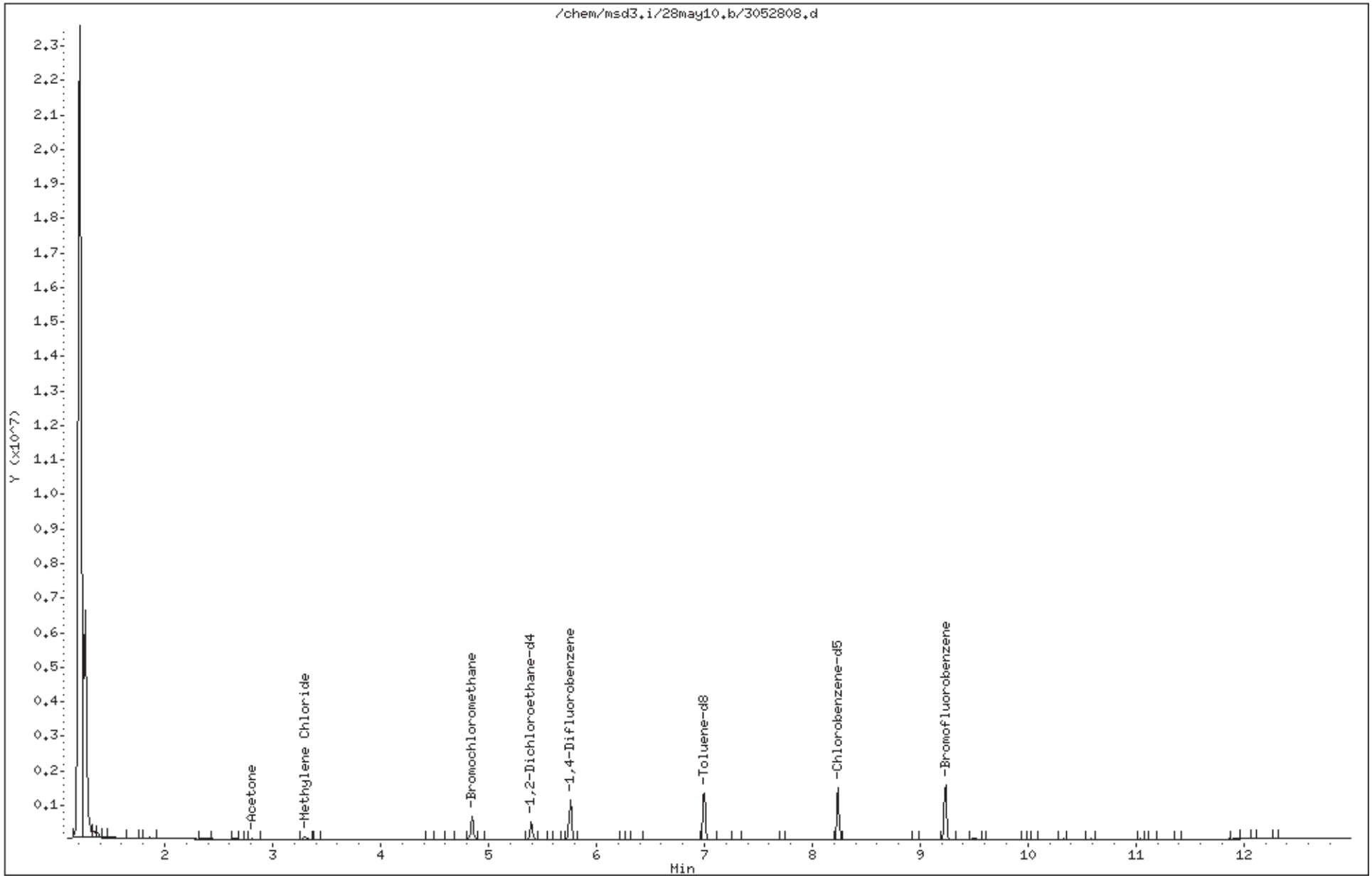
Instrument: msd3.i

Sample Info: 200mL #34371

Operator: cr

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/28may10.b/3052808.d

Date : 28-MAY-2010 12:28

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34371

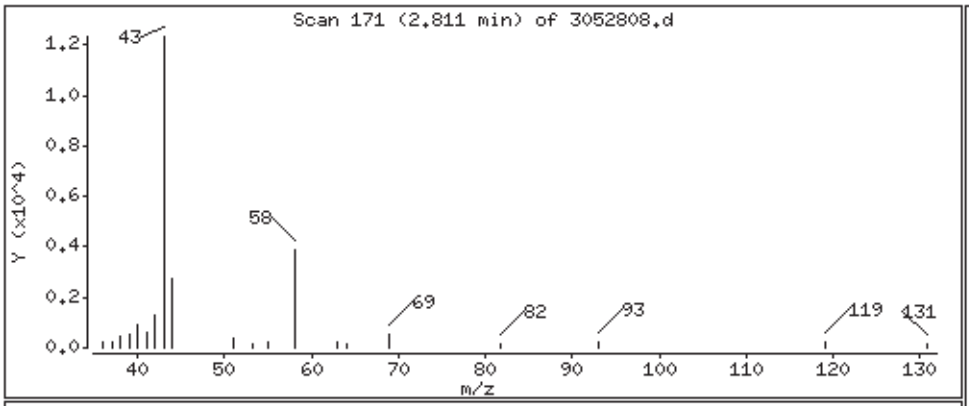
Operator: cr

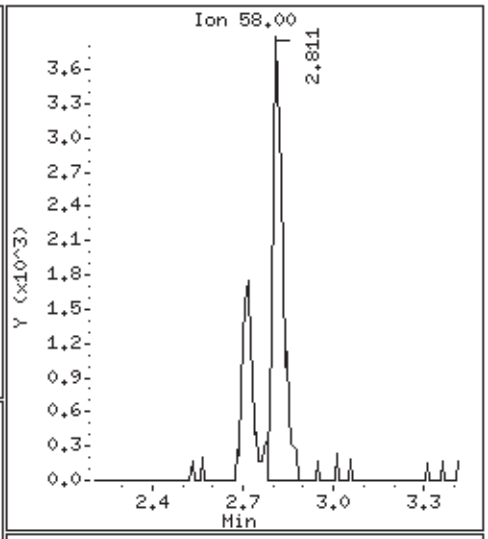
Column phase: RTx-624

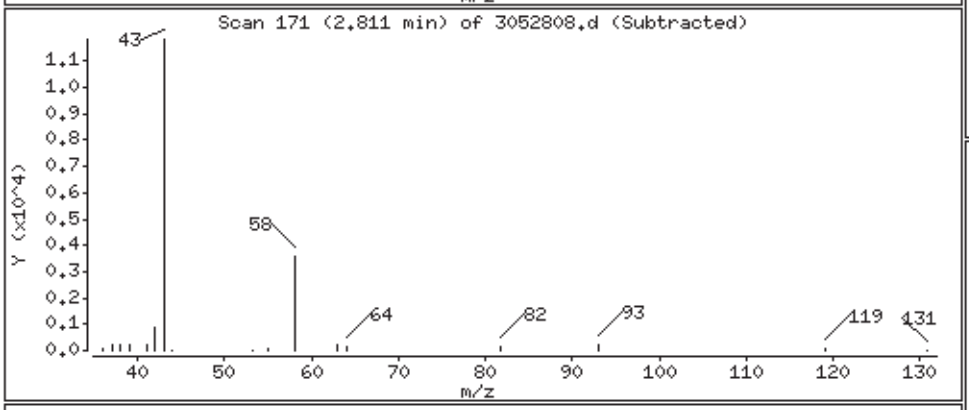
Column diameter: 0.53

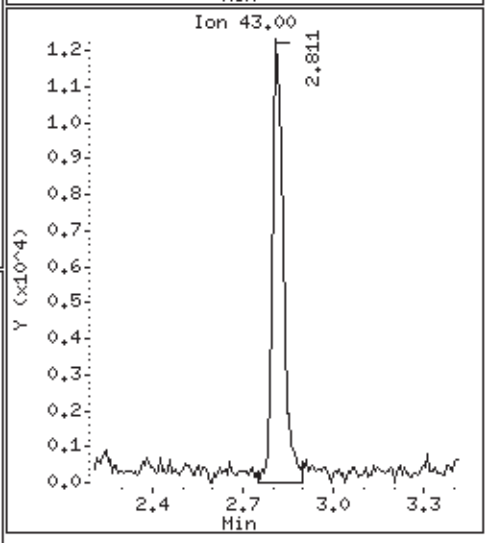
34 Acetone

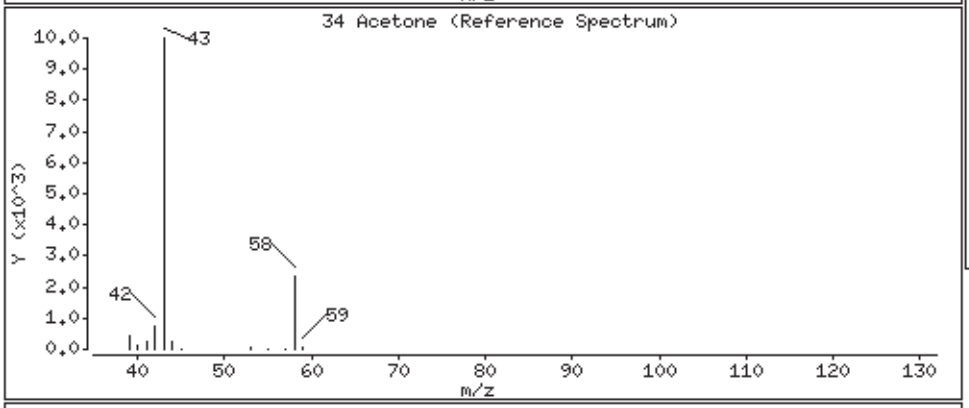
Concentration: 4.032 PPBV

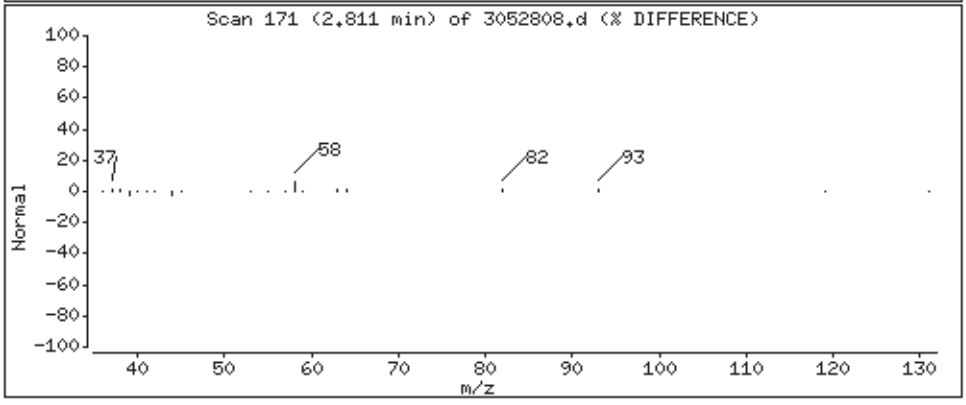












Data File: /chem/msd3.i/28may10.b/3052808.d

Date : 28-MAY-2010 12:28

Client ID:

Instrument: msd3.i

Sample Info: 200mL #34371

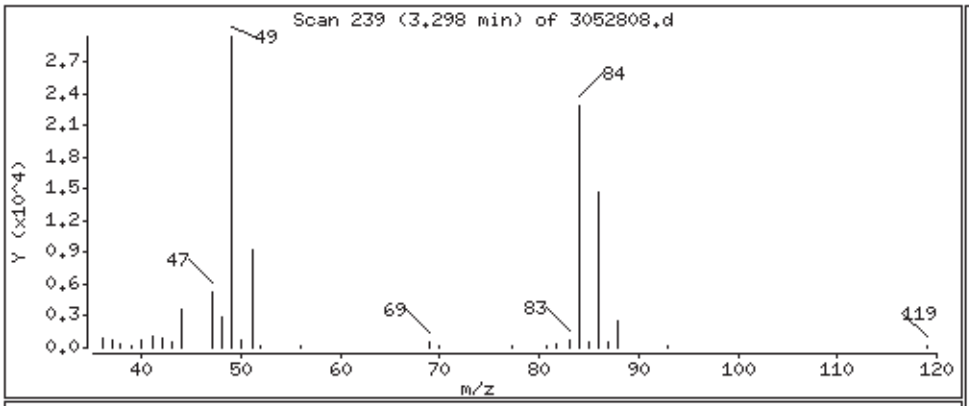
Operator: cr

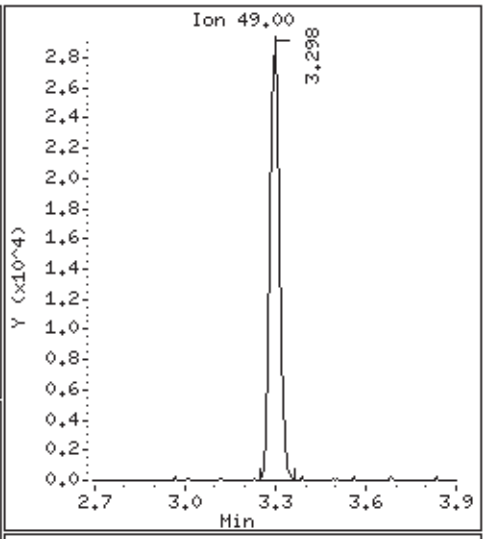
Column phase: RTx-624

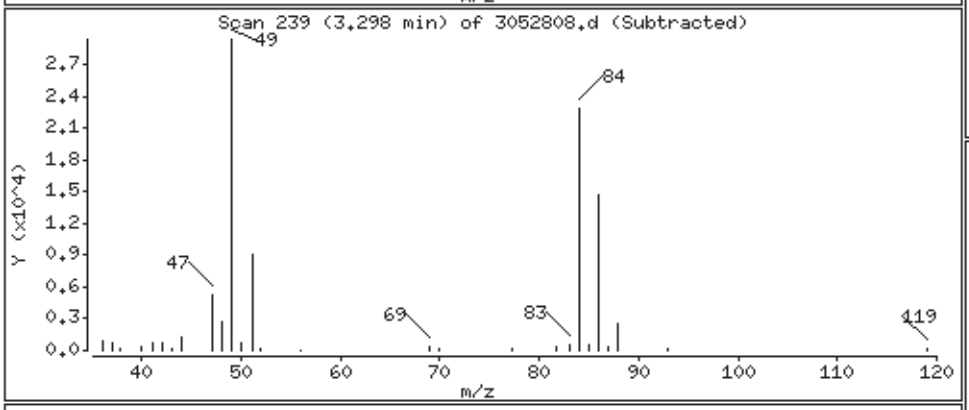
Column diameter: 0.53

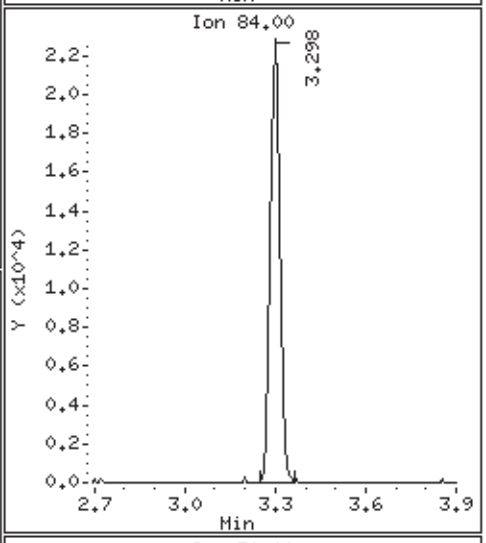
43 Methylene Chloride

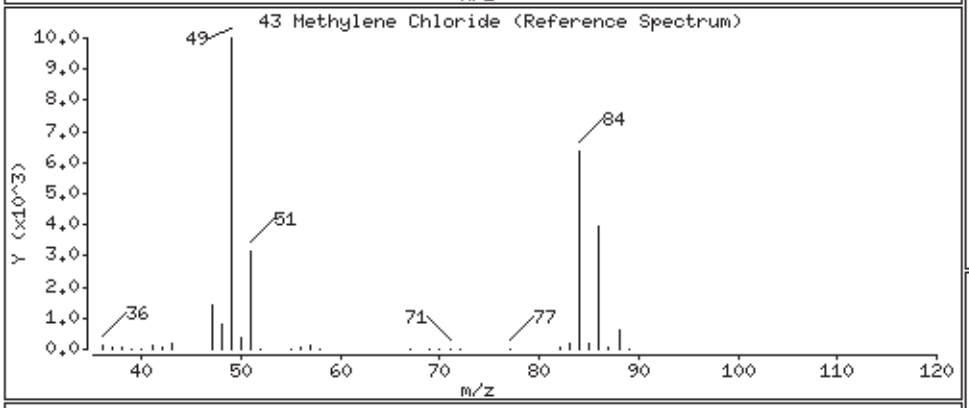
Concentration: 12.135 PPBV

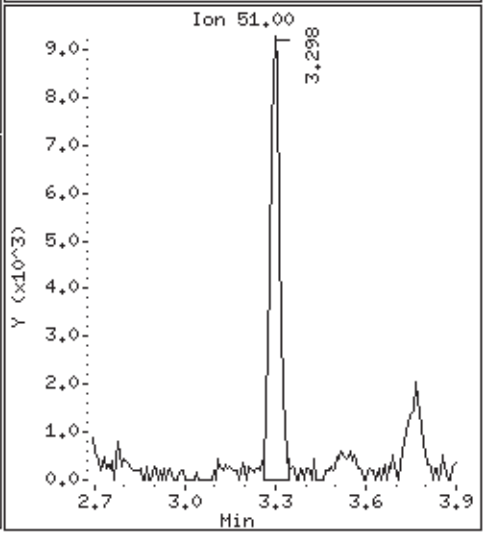


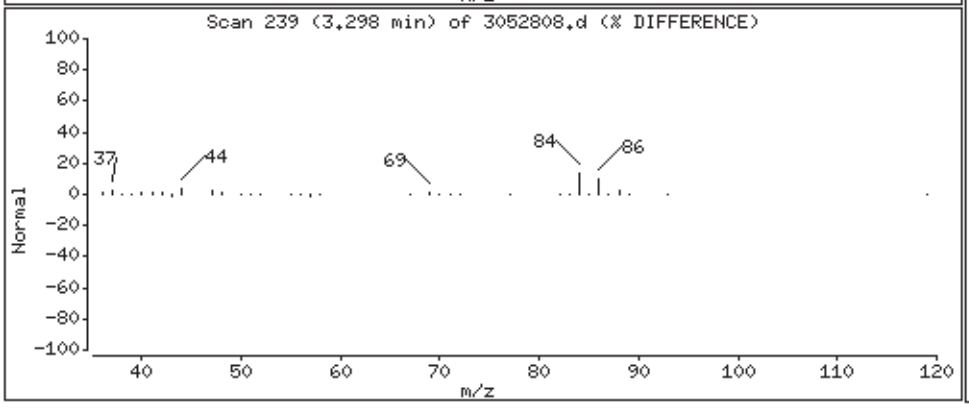












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-6

Lab ID#: 1005453A-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	4.0	4.4	9.5	10
Methylene Chloride	1.0	3.2	3.5	11

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-6

Lab ID#: 1005453A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052809**	**Date of Collection:**	**5/16/10 12:17:00 PM**
Dil. Factor:	**2.01**	**Date of Analysis:**	**5/28/10 02:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Chloromethane	4.0	Not Detected	8.3	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	1.0	Not Detected	3.9	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
Ethanol	4.0	Not Detected	7.6	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	4.0	4.4	9.5	10
2-Propanol	4.0	Not Detected	9.9	Not Detected
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	1.0	3.2	3.5	11
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Cyclohexane	1.0	Not Detected	3.4	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.7	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-6

Lab ID#: 1005453A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052809**	**Date of Collection: 5/16/10 12:17:00 PM**	
Dil. Factor:	**2.01**	**Date of Analysis: 5/28/10 02:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
TPH ref. to Gasoline (MW=100)	20	Not Detected	82	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/28may10.b/3052809.d
Lab Smp Id: 1005453A-15A
Inj Date : 28-MAY-2010 14:05
Operator : cr Inst ID: msd3.i
Smp Info : 200mL #4188
Misc Info : 10.0"Hg - 5psi
Comment :
Method : /chem/msd3.i/28may10.b/310q0520a.m
Meth Date : 02-Jun-2010 12:12 ejakob Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 2.01000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	256206	25.0000		80.00- 120.00	100.00
4.845	4.845 (1.000)	128	196910			28.10- 128.10	76.86
4.845	4.845 (1.000)	49	362918			81.21- 181.21	141.65
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	895291	25.0000		80.00- 120.00	100.00
5.755	5.762 (1.000)	88	144416			0.00- 66.01	16.13
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	748340	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	413093			6.08- 106.08	55.20
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	327023	23.3508	23.351	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	177246			4.53- 104.53	54.20
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.994	6.994 (1.214)	98	830752	24.0854	24.085	80.00- 120.00	100.00
7.001	6.994 (1.215)	70	93433			0.00- 61.77	11.25

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	6.994 (1.215)	100	553030			17.54- 117.54	66.57
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	366609	23.8411	23.841	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	519594			89.80- 189.80	141.73
9.236	9.236 (1.121)	176	348775			47.30- 147.30	95.14
34 Acetone					CAS #: 67-64-1		
2.818	2.811 (0.581)	58	10817	2.20831	4.439	80.00- 120.00	100.00
2.811	2.811 (0.579)	43	34426			294.99- 394.99	318.26
43 Methylene Chloride					CAS #: 75-09-2		
3.291	3.298 (0.678)	49	18610	1.60552	3.227	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	15585			30.55- 130.55	83.75
3.298	3.298 (0.680)	51	6412			0.00- 78.00	34.45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052809.d
Lab Smp Id: 1005453A-15A
Analysis Type: VOA
Quant Type: ISTD
Operator: cr
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 10.0"Hg - 5psi

Calibration Date: 28-MAY-2010
Calibration Time: 09:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258568	155141	361995	256206	-0.91
97 1,4-Difluorobenze	878539	527123	1229955	895291	1.91
144 Chlorobenzene-d5	772301	463381	1081221	748340	-3.10

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-15A
Level: LOW Operator: cr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 10.0"Hg - 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	23.351	93.40	70-130
$ 115 Toluene-d8	25.000	24.085	96.34	70-130
$ 159 Bromofluorobenzene	25.000	23.841	95.36	70-130

Data File: /chem/msd3.i/28may10.b/3052809.d

Page 1

Date : 28-MAY-2010 14:05

Client ID:

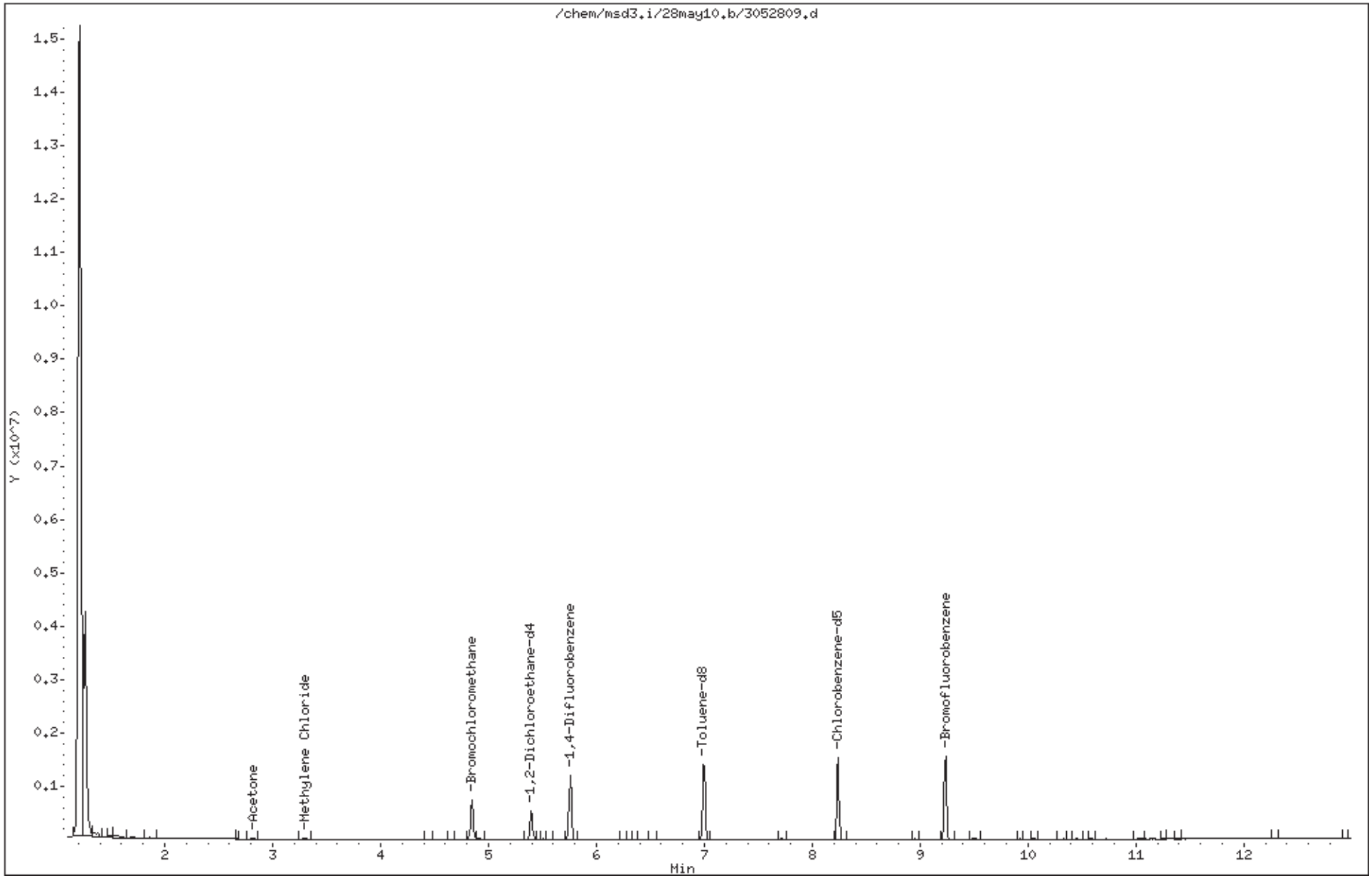
Instrument: msd3.i

Sample Info: 200mL #4188

Operator: cr

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/28may10.b/3052809.d

Date : 28-MAY-2010 14:05

Client ID:

Instrument: msd3.i

Sample Info: 200mL #4188

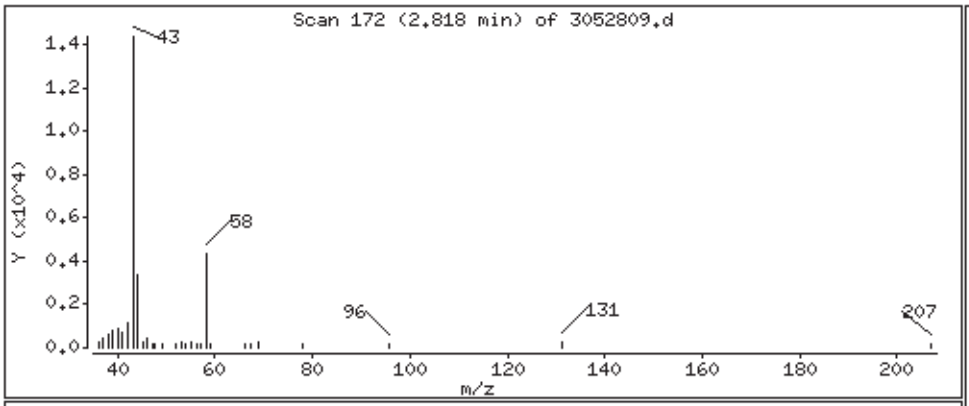
Operator: cr

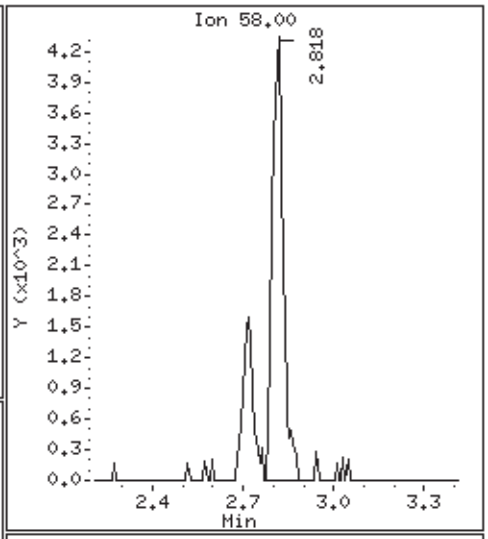
Column phase: RTx-624

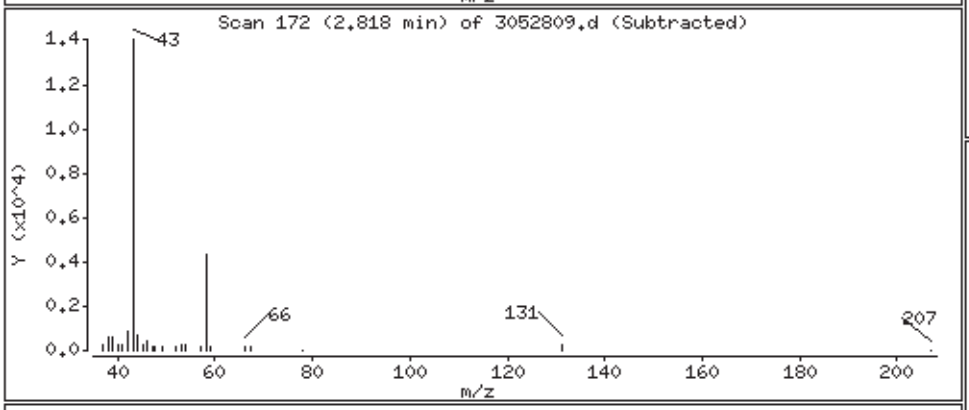
Column diameter: 0.53

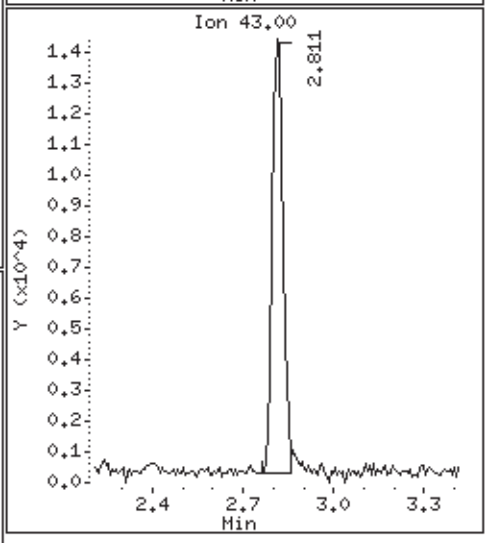
34 Acetone

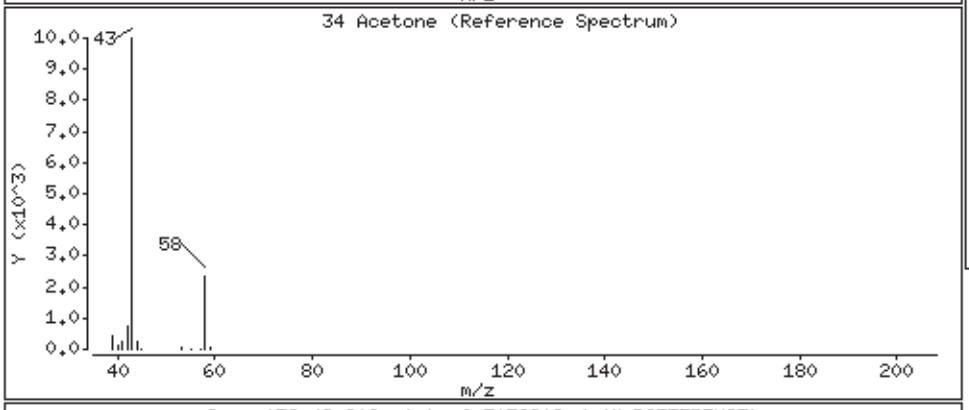
Concentration: 4.439 PPBV

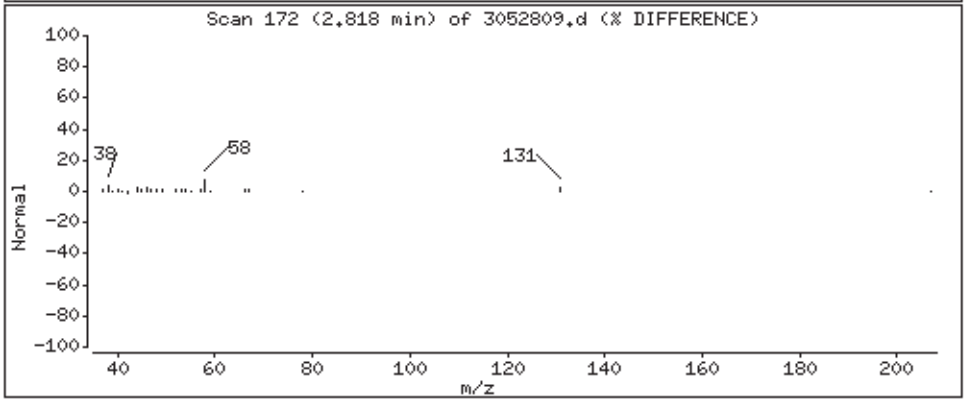












Data File: /chem/msd3.i/28may10.b/3052809.d

Date : 28-MAY-2010 14:05

Client ID:

Instrument: msd3.i

Sample Info: 200mL #4188

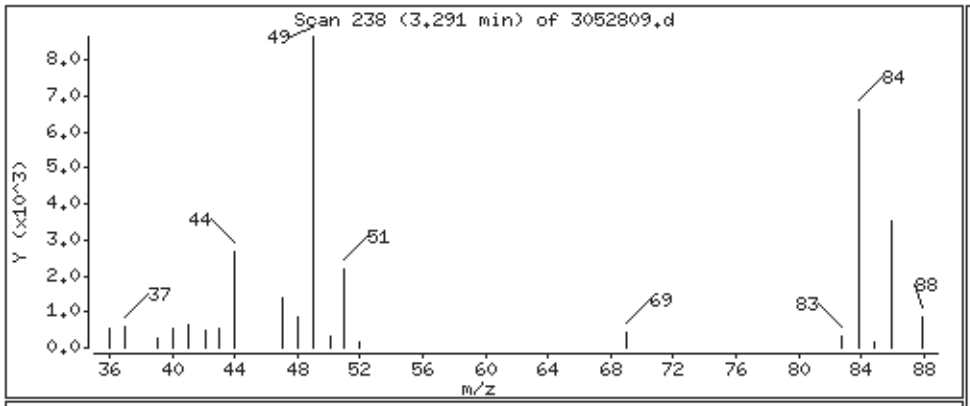
Operator: cr

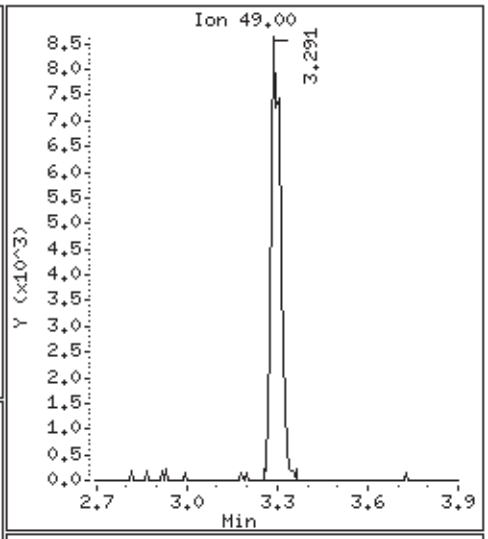
Column phase: RTx-624

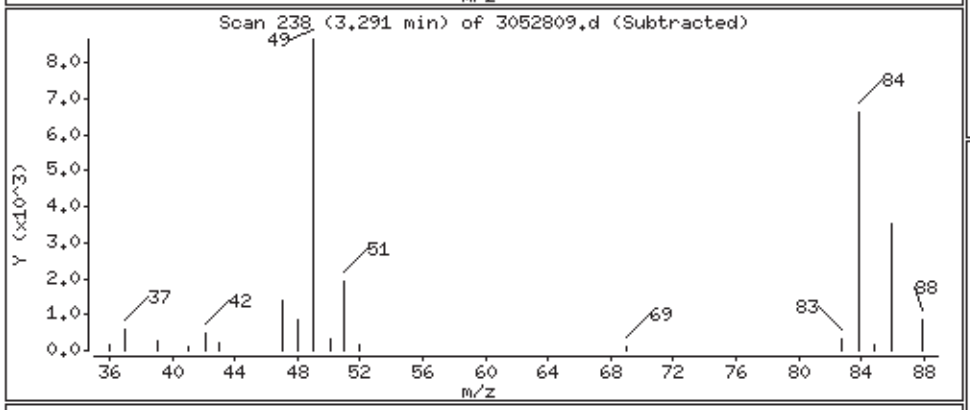
Column diameter: 0.53

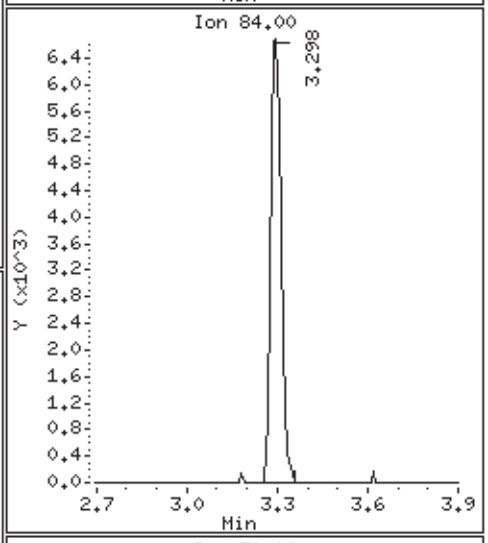
43 Methylene Chloride

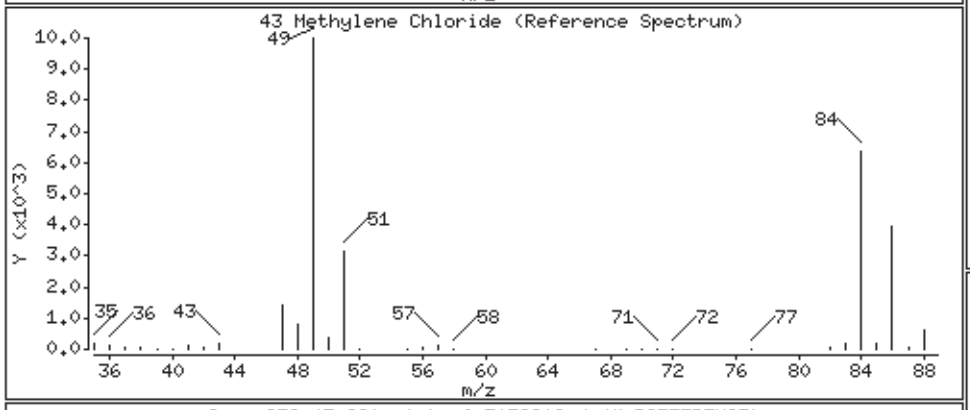
Concentration: 3.227 PPBV

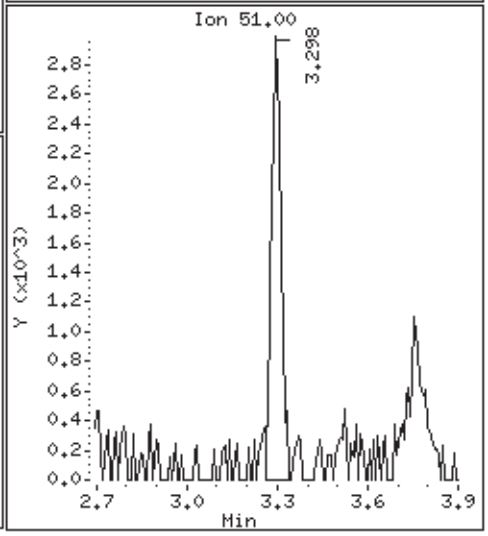


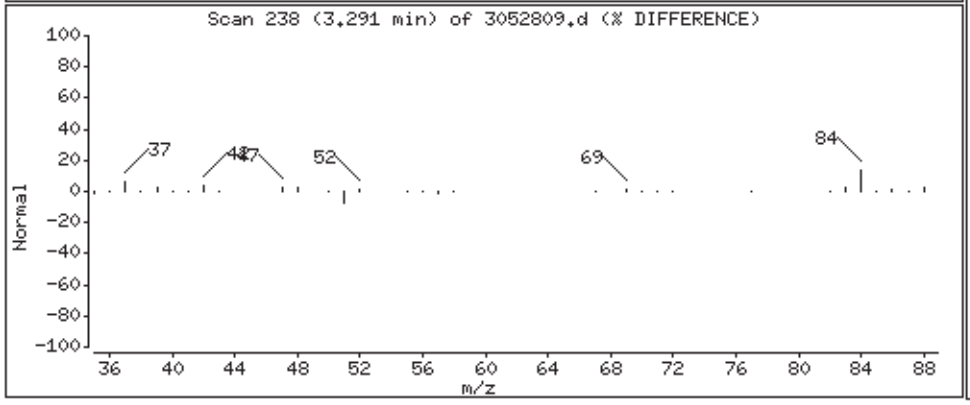












Air Toxics LTD.
Laboratory Services Since 1989

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

Client Sample ID: GV-7

Lab ID#: 1005453A-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	3.8	5.2	9.0	12
Methylene Chloride	0.95	4.9	3.3	17

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-7

Lab ID#: 1005453A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052810**	**Date of Collection:**	**5/16/10 12:54:00 PM**
Dil. Factor:	**1.90**	**Date of Analysis:**	**5/28/10 02:50 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.95	Not Detected	4.7	Not Detected
Freon 114	0.95	Not Detected	6.6	Not Detected
Chloromethane	3.8	Not Detected	7.8	Not Detected
Vinyl Chloride	0.95	Not Detected	2.4	Not Detected
1,3-Butadiene	0.95	Not Detected	2.1	Not Detected
Bromomethane	0.95	Not Detected	3.7	Not Detected
Chloroethane	0.95	Not Detected	2.5	Not Detected
Freon 11	0.95	Not Detected	5.3	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Freon 113	0.95	Not Detected	7.3	Not Detected
1,1-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Acetone	3.8	5.2	9.0	12
2-Propanol	3.8	Not Detected	9.3	Not Detected
Carbon Disulfide	0.95	Not Detected	3.0	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
Methylene Chloride	0.95	4.9	3.3	17
Methyl tert-butyl ether	0.95	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Hexane	0.95	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.95	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.95	Not Detected	2.8	Not Detected
cis-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Tetrahydrofuran	0.95	Not Detected	2.8	Not Detected
Chloroform	0.95	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	0.95	Not Detected	5.2	Not Detected
Cyclohexane	0.95	Not Detected	3.3	Not Detected
Carbon Tetrachloride	0.95	Not Detected	6.0	Not Detected
2,2,4-Trimethylpentane	0.95	Not Detected	4.4	Not Detected
Benzene	0.95	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.95	Not Detected	3.8	Not Detected
Heptane	0.95	Not Detected	3.9	Not Detected
Trichloroethene	0.95	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.95	Not Detected	4.4	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
Bromodichloromethane	0.95	Not Detected	6.4	Not Detected
cis-1,3-Dichloropropene	0.95	Not Detected	4.3	Not Detected
4-Methyl-2-pentanone	0.95	Not Detected	3.9	Not Detected
Toluene	0.95	Not Detected	3.6	Not Detected
trans-1,3-Dichloropropene	0.95	Not Detected	4.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: GV-7

Lab ID#: 1005453A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052810**	**Date of Collection: 5/16/10 12:54:00 PM**	
Dil. Factor:	**1.90**	**Date of Analysis: 5/28/10 02:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.95	Not Detected	5.2	Not Detected
Tetrachloroethene	0.95	Not Detected	6.4	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Dibromochloromethane	0.95	Not Detected	8.1	Not Detected
1,2-Dibromoethane (EDB)	0.95	Not Detected	7.3	Not Detected
Chlorobenzene	0.95	Not Detected	4.4	Not Detected
Ethyl Benzene	0.95	Not Detected	4.1	Not Detected
m,p-Xylene	0.95	Not Detected	4.1	Not Detected
o-Xylene	0.95	Not Detected	4.1	Not Detected
Styrene	0.95	Not Detected	4.0	Not Detected
Bromoform	0.95	Not Detected	9.8	Not Detected
Cumene	0.95	Not Detected	4.7	Not Detected
1,1,2,2-Tetrachloroethane	0.95	Not Detected	6.5	Not Detected
Propylbenzene	0.95	Not Detected	4.7	Not Detected
4-Ethyltoluene	0.95	Not Detected	4.7	Not Detected
1,3,5-Trimethylbenzene	0.95	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.95	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.95	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	40	Not Detected
TPH ref. to Gasoline (MW=100)	19	Not Detected	78	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/28may10.b/3052810.d
Lab Smp Id: 1005453A-16A
Inj Date : 28-MAY-2010 14:50
Operator : cr Inst ID: msd3.i
Smp Info : 200mL #35170
Misc Info : 8.8"Hg - 5psi
Comment :
Method : /chem/msd3.i/28may10.b/310q0520a.m
Meth Date : 02-Jun-2010 12:12 ejakob Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.90000
Integrator: HP RTE Compound Sublist: TO15.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	249686	25.0000		80.00- 120.00	100.00
4.845	4.845 (1.000)	128	190642			28.10- 128.10	76.35
4.845	4.845 (1.000)	49	356822			81.21- 181.21	142.91
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	898547	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	143342			0.00- 66.01	15.95
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.241	8.240 (1.000)	117	747612	25.0000		80.00- 120.00	100.00
8.241	8.240 (1.000)	82	406706			6.08- 106.08	54.40
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	327790	24.0167	24.017	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	175668			4.53- 104.53	53.59
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	6.994 (1.215)	98	832281	24.0423	24.042	80.00- 120.00	100.00
6.994	6.994 (1.214)	70	94573			0.00- 61.77	11.36

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.994	6.994 (1.214)	100	554376			17.54- 117.54	66.61
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	355023	23.1102	23.110	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	520788			89.80- 189.80	146.69
9.236	9.236 (1.121)	176	347279			47.30- 147.30	97.82
34 Acetone					CAS #: 67-64-1		
2.811	2.811 (0.579)	58	13055	2.73479	5.196	80.00- 120.00	100.00
2.818	2.811 (0.581)	43	43778			294.99- 394.99	335.34
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.298 (0.680)	49	28899	2.55827	4.861	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	22333			30.55- 130.55	77.28
3.298	3.298 (0.680)	51	10093			0.00- 78.00	34.93

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052810.d
Lab Smp Id: 1005453A-16A
Analysis Type: VOA
Quant Type: ISTD
Operator: cr
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 8.8"Hg - 5psi

Calibration Date: 28-MAY-2010
Calibration Time: 09:28
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258568	155141	361995	249686	-3.44
97 1,4-Difluorobenze	878539	527123	1229955	898547	2.28
144 Chlorobenzene-d5	772301	463381	1081221	747612	-3.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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: 02-Jun-2010 14:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1005453A-16A
Level: LOW Operator: cr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: TO15.sub
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: 8.8"Hg - 5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	24.017	96.07	70-130
$ 115 Toluene-d8	25.000	24.042	96.17	70-130
$ 159 Bromofluorobenzene	25.000	23.110	92.44	70-130

Data File: /chem/msd3.i/28may10.b/3052810.d

Date : 28-MAY-2010 14:50

Client ID:

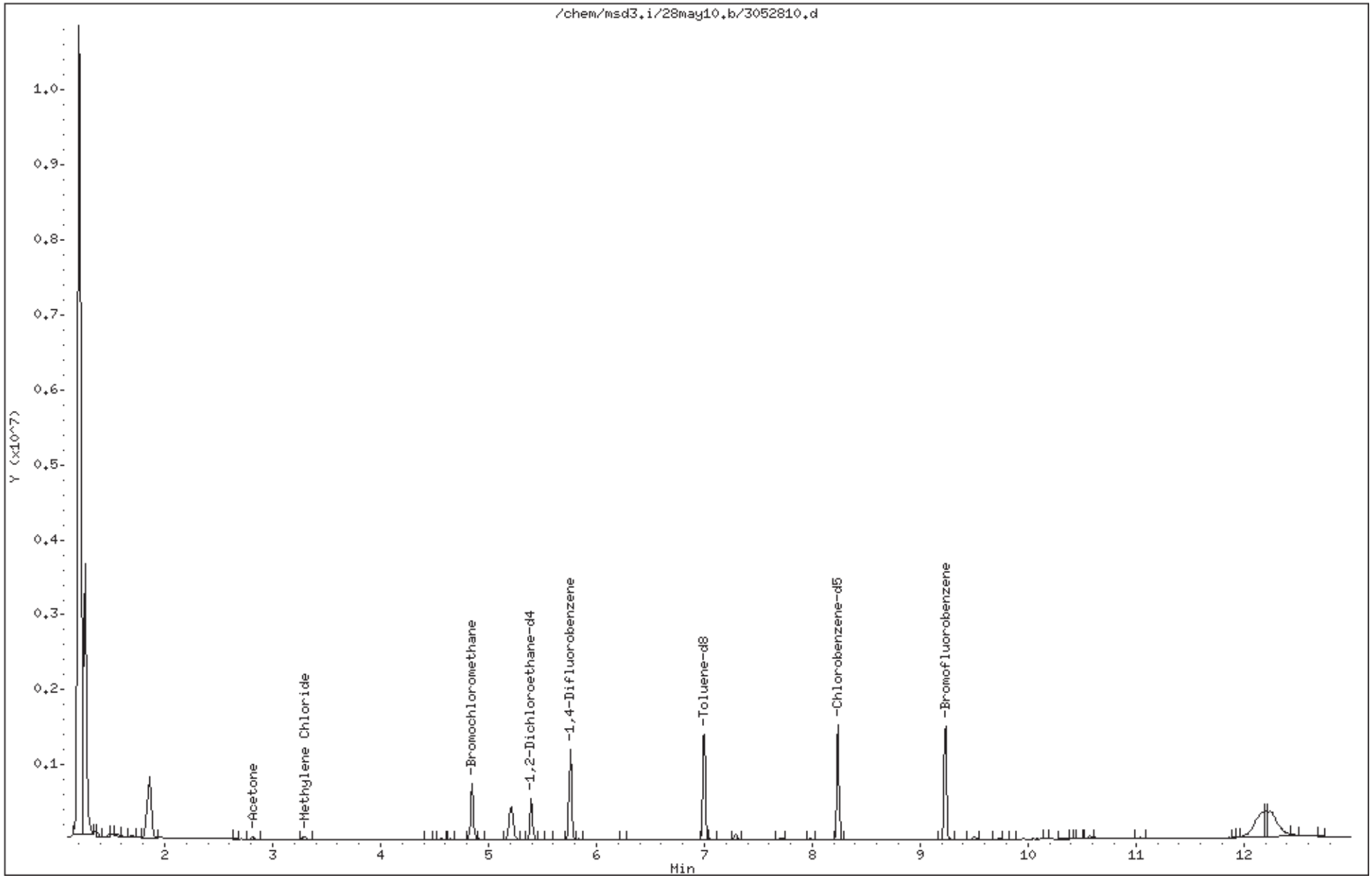
Instrument: msd3.i

Sample Info: 200mL #35170

Operator: cr

Column phase: RTx-624

Column diameter: 0.53



Data File: /chem/msd3.i/28may10.b/3052810.d

Date : 28-MAY-2010 14:50

Client ID:

Instrument: msd3.i

Sample Info: 200mL #35170

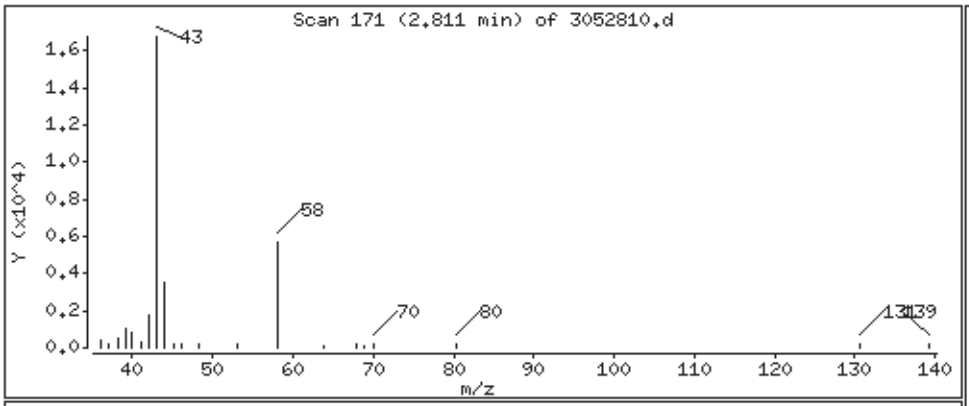
Operator: cr

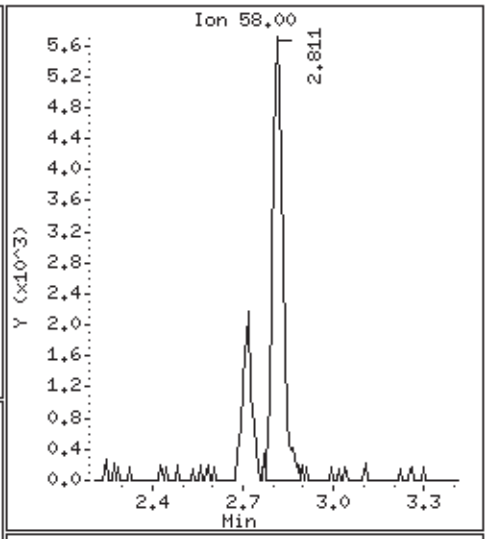
Column phase: RTx-624

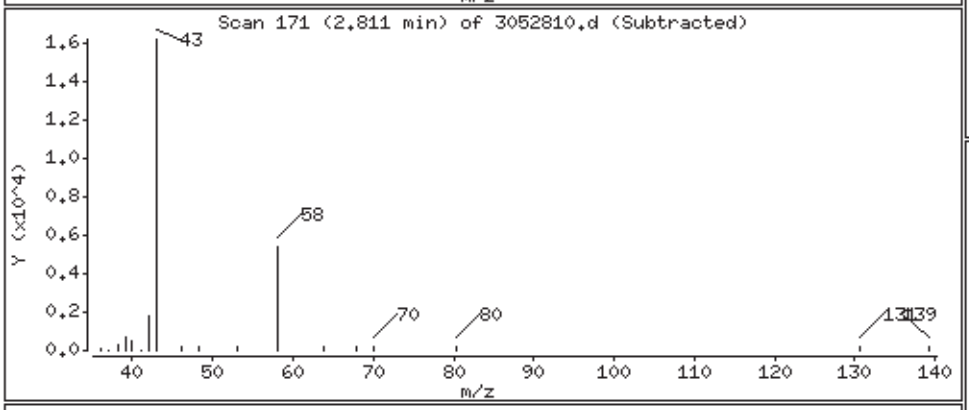
Column diameter: 0.53

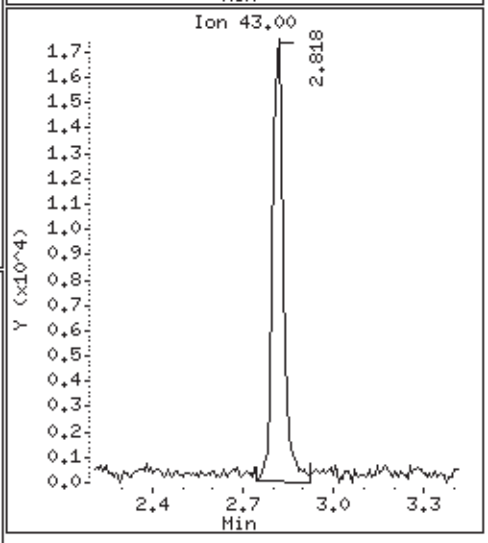
34 Acetone

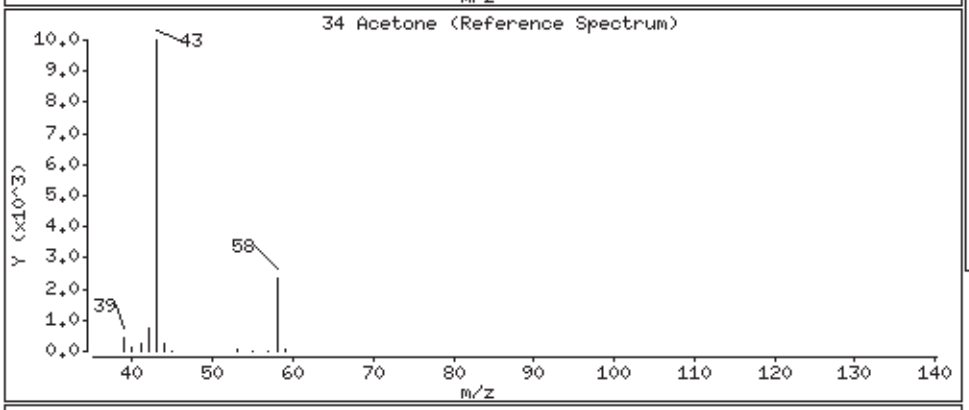
Concentration: 5.196 PPBV

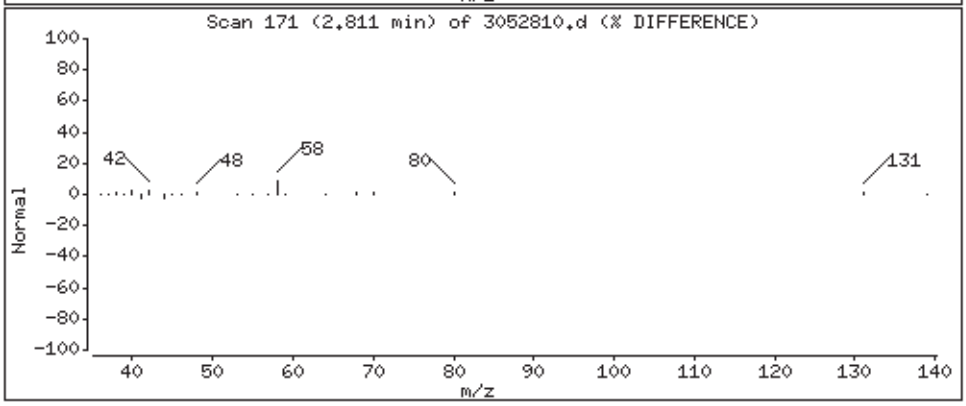












Data File: /chem/msd3.i/28may10.b/3052810.d

Date : 28-MAY-2010 14:50

Client ID:

Instrument: msd3.i

Sample Info: 200mL #35170

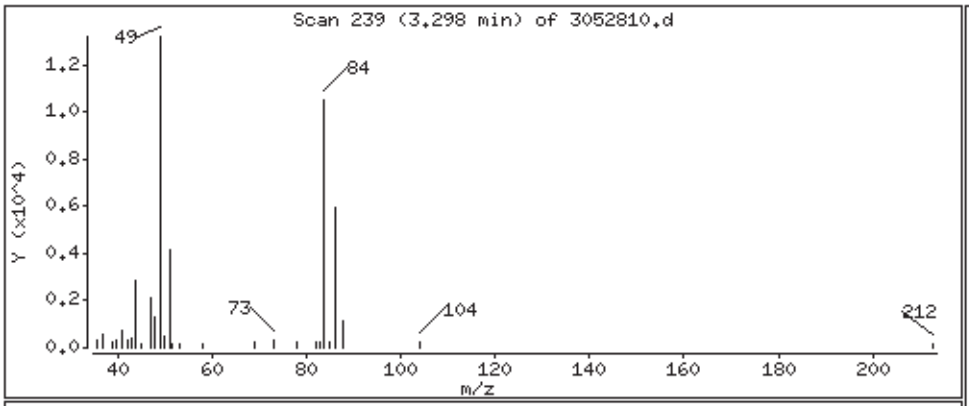
Operator: cr

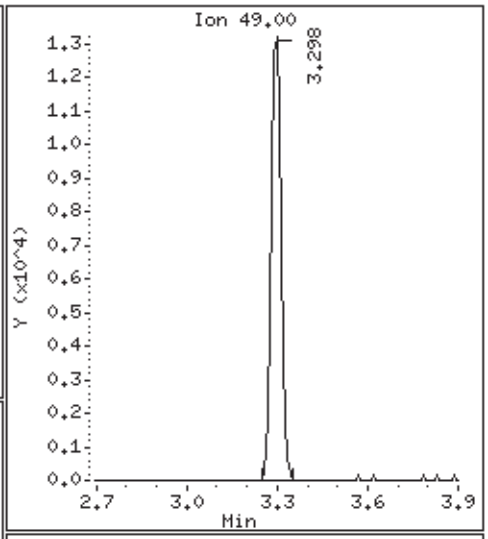
Column phase: RTx-624

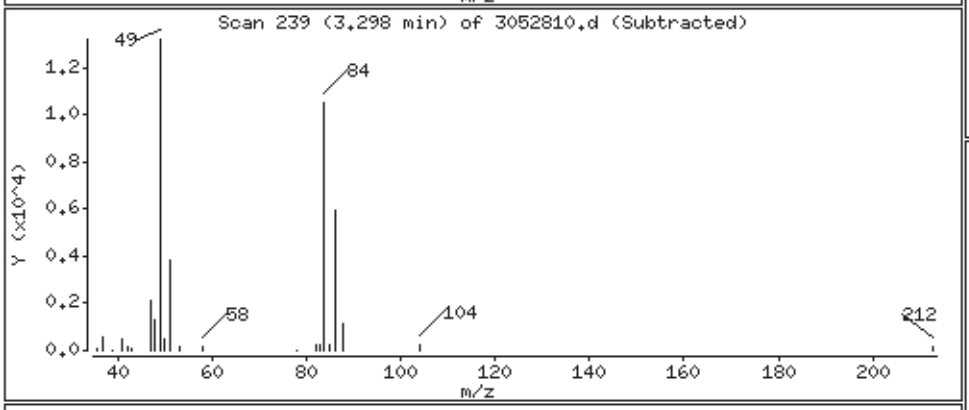
Column diameter: 0.53

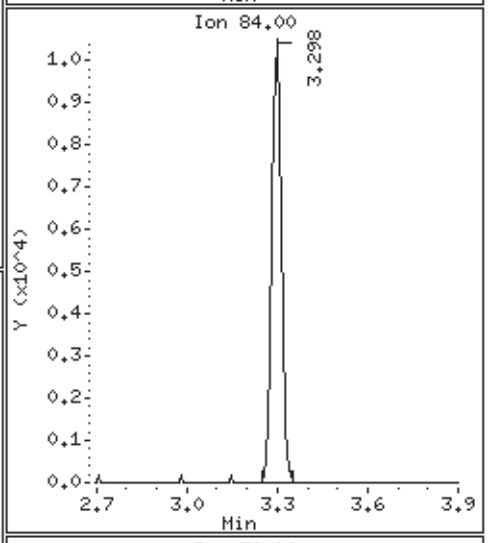
43 Methylene Chloride

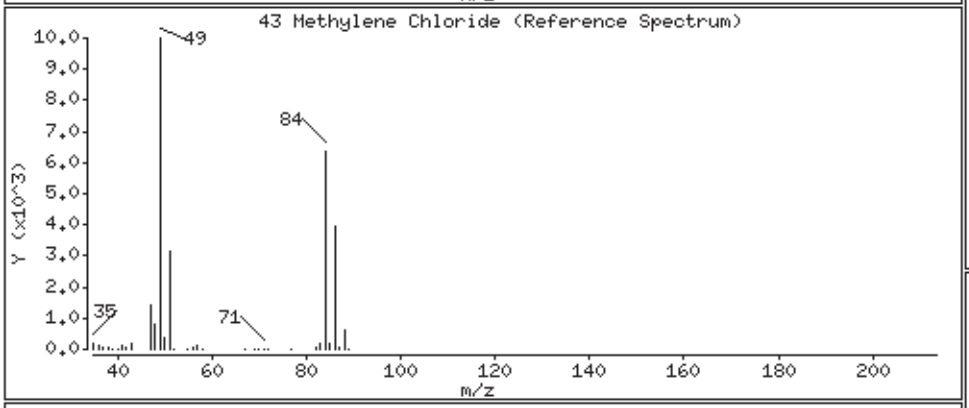
Concentration: 4.861 PPBV

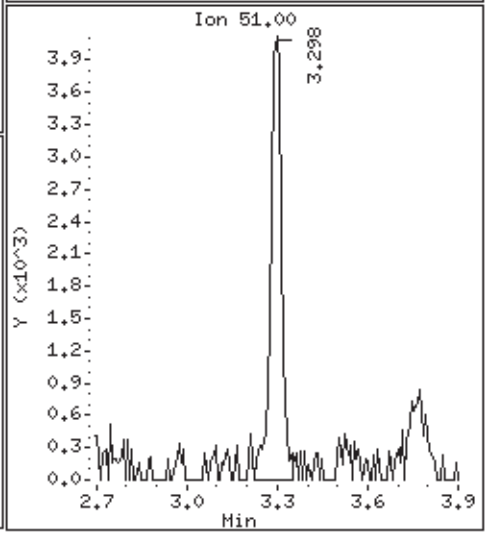


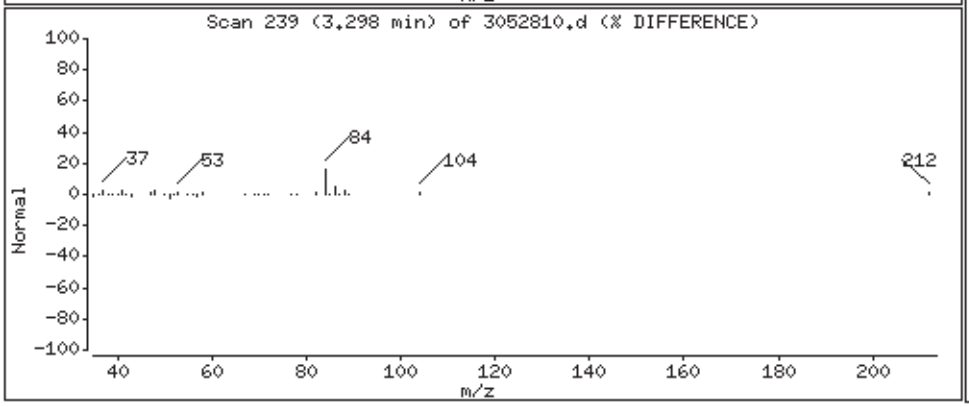












QC Results and Raw Data

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1005453A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/27/10 11:16 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
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	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
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	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
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1005453A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/27/10 11:16 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	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
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	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
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	10	Not Detected	41	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/27may10.b/3052706.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 27-MAY-2010 11:16
Operator : acb Inst ID: msd3.i
Smp Info : 200mL#917
Misc Info : humid
Comment :
Method : /var/chem/msd3.i/27may10.b/310q0520a.m
Meth Date : 27-May-2010 10:51 abarton Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	235999	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	183088			28.10- 128.10	77.58
4.852	4.845 (1.000)	49	333889			81.21- 181.21	141.48
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	835948	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	134539			0.00- 66.01	16.09
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	756548	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	423015			6.08- 106.08	55.91
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	306663	23.7719	23.772	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	166090			4.53- 104.53	54.16
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	7.001 (1.215)	98	834571	25.9138	25.914	80.00- 120.00	100.00
7.001	7.001 (1.215)	70	96597			0.00- 61.77	11.57

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	7.001 (1.215)	100	556110			17.54- 117.54	66.63
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	381665	24.5510	24.551	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	548970			89.80- 189.80	143.84
9.236	9.236 (1.121)	176	366213			47.30- 147.30	95.95

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052706.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: humid

Calibration Date: 27-MAY-2010
Calibration Time: 09:24
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258488	155093	361883	235999	-8.70
97 1,4-Difluorobenze	894304	536582	1252026	835948	-6.53
144 Chlorobenzene-d5	791587	474952	1108222	756548	-4.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	0.00

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

Report Date: 27-May-2010 11:33

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 27may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: acb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT10.sub
Method File: /var/chem/msd3.i/27may10.b/310q0520a.m
Misc Info: humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	23.772	95.09	70-130
$ 115 Toluene-d8	25.000	25.914	103.66	70-130
$ 159 Bromofluorobenzene	25.000	24.551	98.20	70-130

Data File: /chem/msd3.i/27may10.b/3052706.d

Date : 27-MAY-2010 11:16

Client ID: Lab Blank

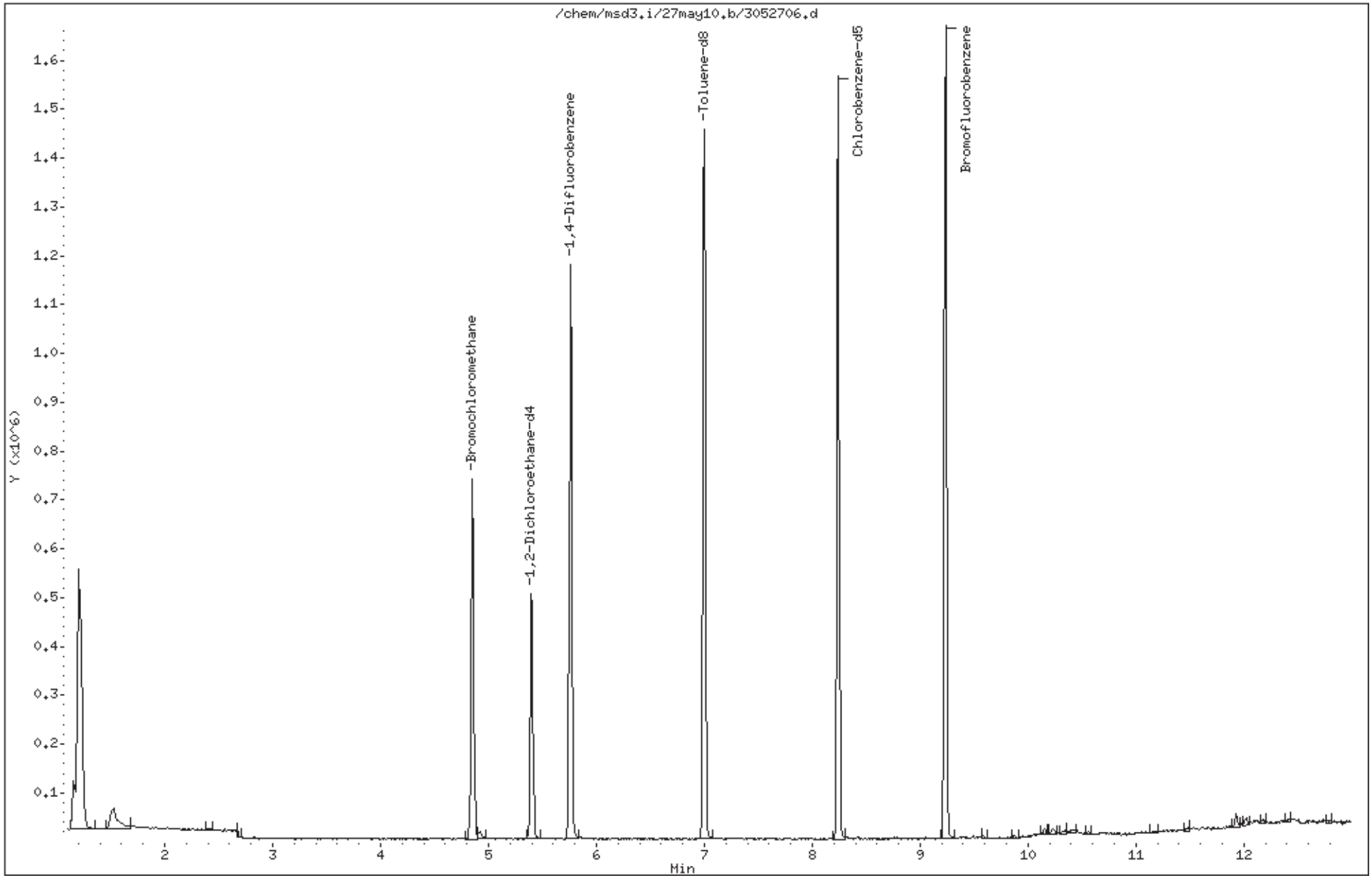
Instrument: msd3.i

Sample Info: 200mL#917

Operator: acb

Column phase: RTx-624

Column diameter: 0.53



Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1005453A-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/28/10 11:20 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
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	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
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	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
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1005453A-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3052806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/28/10 11:20 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	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
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	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
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	10	Not Detected	41	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/28may10.b/3052806.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 28-MAY-2010 11:20
Operator : cr Inst ID: msd3.i
Smp Info : 200mL #917
Misc Info : HUMID
Comment :
Method : /chem/msd3.i/28may10.b/310q0520a.m
Meth Date : 28-May-2010 10:00 croush Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.845 (1.000)	130	250262	25.0000		80.00- 120.00	100.00
4.852	4.845 (1.000)	128	190509			28.10- 128.10	76.12
4.845	4.845 (1.000)	49	364560			81.21- 181.21	145.67
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	932895	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	149208			0.00- 66.01	15.99
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	799376	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	437176			6.08- 106.08	54.69
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	333595	24.3858	24.386	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	177840			4.53- 104.53	53.31
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	6.994 (1.215)	98	871158	24.2388	24.239	80.00- 120.00	100.00
7.001	6.994 (1.215)	70	100502			0.00- 61.77	11.54

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	6.994 (1.215)	100	582158			17.54- 117.54	66.83
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	390366	23.7653	23.765	80.00- 120.00	100.00
9.236	9.236 (1.121)	95	561993			89.80- 189.80	143.97
9.236	9.236 (1.121)	176	372395			47.30- 147.30	95.40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052806.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cr
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: HUMID

Calibration Date: 28-MAY-2010
Calibration Time: 09:28
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258568	155141	361995	250262	-3.21
97 1,4-Difluorobenze	878539	527123	1229955	932895	6.19
144 Chlorobenzene-d5	772301	463381	1081221	799376	3.51

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT10.sub
Method File: /chem/msd3.i/28may10.b/310q0520a.m
Misc Info: HUMID

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 89 1,2-Dichloroethane	25.000	24.386	97.54	70-130
$ 115 Toluene-d8	25.000	24.239	96.96	70-130
$ 159 Bromofluorobenzene	25.000	23.765	95.06	70-130

Data File: /chem/msd3.i/28may10.b/3052806.d

Page 1

Date : 28-MAY-2010 11:20

Client ID: Lab Blank

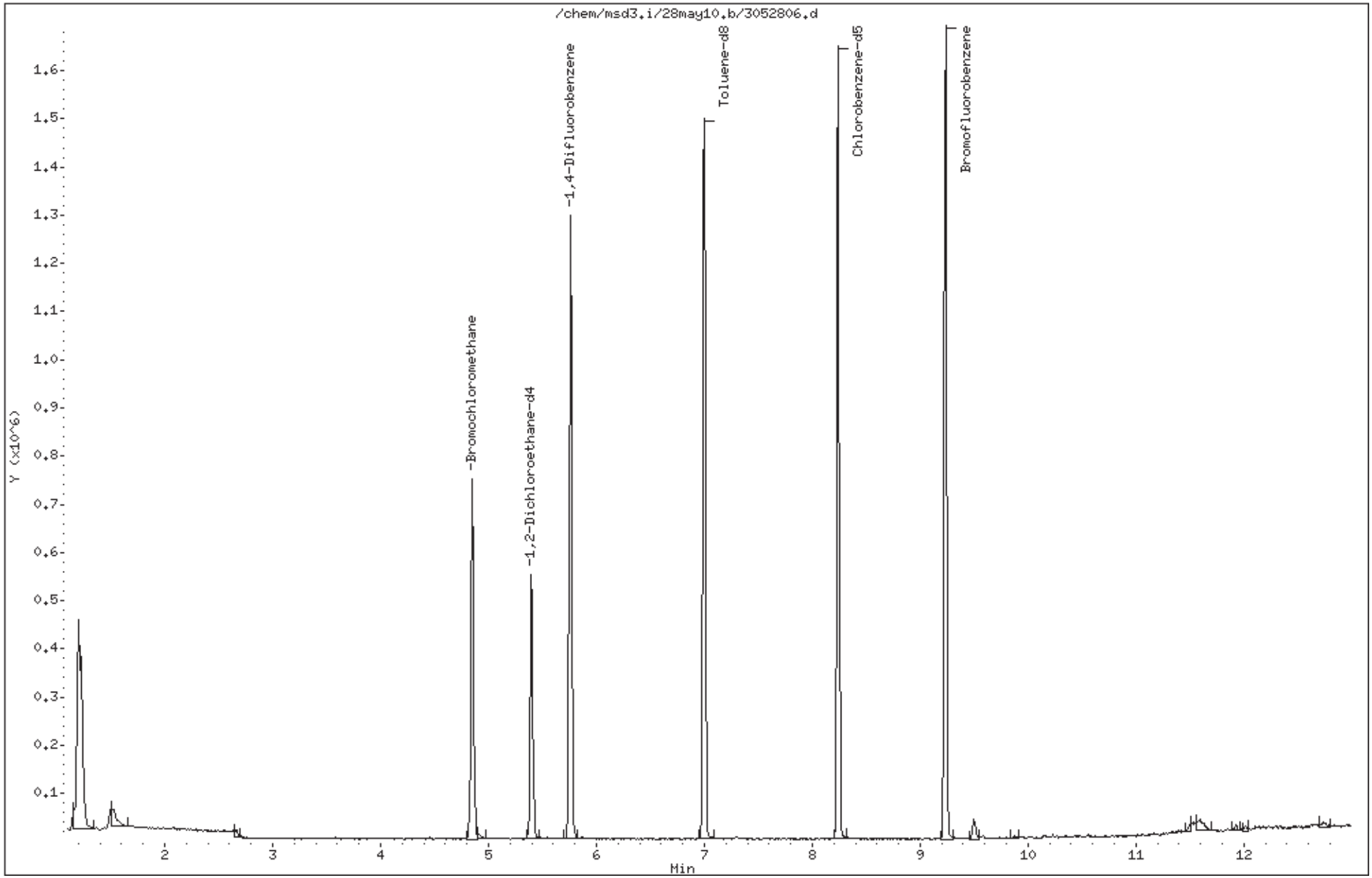
Instrument: msd3.i

Sample Info: 200mL #917

Operator: cr

Column phase: RTx-624

Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 1005453A

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	GV-9	91		104		98				0
02	GV-10	94		100		98				0
03	GV-11	95		102		98				0
04	GV-13	92		100		98				0
05	GV-1	98		95		97				0
06	GV-1 Lab Duplicate	100		99		98				0
07	GV-6	93		96		95				0
08	GV-7	96		96		92				0
09	Lab Blank	95		104		98				0
10	Lab Blank	98		97		95				0
11	CCV	95		103		102				0
12	CCV	94		102		99				0
13	LCS	94		102		100				0
14	LCS	97		98		101				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: 1005453A
Lab File ID: 3052702.d
Date Analyzed: 05/27/2010
Instrument ID: msd3.i
Time Analyzed: 09:24 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	791587		8.24		894304		5.76		258488		4.85	
	UPPER LIMIT	1108222		08.57		1252026		06.09		361883		05.18	
	LOWER LIMIT	474952		07.91		536582		05.43		155093		04.52	
	CLIENT SAMPLE NO												
01	GV-9	737436		8.23		821578		5.76		240436		4.85	
02	GV-10	672443		8.22		762589		5.75		214408		4.84	
03	GV-11	686824		8.24		757153		5.76		218805		4.85	
04	GV-13	697677		8.24		793581		5.76		232812		4.85	
05	Lab Blank	756548		8.24		835948		5.76		235999		4.85	
06	CCV	791587		8.24		894304		5.76		258488		4.85	
07	LCS	803508		8.24		918540		5.76		263747		4.85	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 1005453A
Lab File ID: 3052802.d
Date Analyzed: 05/28/2010
Instrument ID: msd3.i
Time Analyzed: 09:28 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	772301		8.24		878539		5.76		258568		4.85	
	UPPER LIMIT	1081221		08.57		1229955		06.09		361995		05.18	
	LOWER LIMIT	463381		07.91		527123		05.43		155141		04.52	
	CLIENT SAMPLE NO												
01	GV-1	746553		8.24		895753		5.76		242639		4.85	
02	GV-1 Lab Duplicate	731371		8.24		845032		5.76		222669		4.85	
03	GV-6	748340		8.24		895291		5.76		256206		4.85	
04	GV-7	747612		8.24		898547		5.76		249686		4.85	
05	Lab Blank	799376		8.24		932895		5.76		250262		4.85	
06	CCV	772301		8.24		878539		5.76		258568		4.85	
07	LCS	776469		8.24		922928		5.76		254867		4.85	
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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 3052808.d & 3052807.d

Lab Sample ID: 14A & 14AA

Dilution: 1.99 & 1.99

Client Sample ID: &

Date Analyzed: 5/28/10 & 5/28/10

CAS Number	Compound	Original Amount	Original Flags	Duplicate Amount	Duplicate Flags	RPD	Result Less Than 5X RL
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0	
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0	
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0	
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0	
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0	
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0	
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0	
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0	
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0	
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0	
106-99-0	1,3-Butadiene	ND	U	ND	U	0	
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0	
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0	
123-91-1	1,4-Dioxane	ND	U	ND	U	0	
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	U	ND	U	0	
591-78-6	2-Hexanone	ND	U	ND	U	0	
67-63-0	2-Propanol	ND	U	ND	U	0	
107-05-1	3-Chloropropene	ND	U	ND	U	0	
622-96-8	4-Ethyltoluene	ND	U	ND	U	0	
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0	
67-64-1	Acetone	4.163		4.032		3.2	Y
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0	
71-43-2	Benzene	ND	U	ND	U	0	
75-27-4	Bromodichloromethane	ND	U	ND	U	0	
75-25-2	Bromoform	ND	U	ND	U	0	
74-83-9	Bromomethane	ND	U	ND	U	0	
75-15-0	Carbon Disulfide	ND	U	ND	U	0	
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0	
108-90-7	Chlorobenzene	ND	U	ND	U	0	
75-00-3	Chloroethane	ND	U	ND	U	0	
67-66-3	Chloroform	ND	U	ND	U	0	
74-87-3	Chloromethane	ND	U	ND	U	0	
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0	
98-82-8	Cumene	ND	U	ND	U	0	
110-82-7	Cyclohexane	ND	U	ND	U	0	
124-48-1	Dibromochloromethane	ND	U	ND	U	0	
64-17-5	Ethanol	ND	U	ND	U	0	
100-41-4	Ethyl Benzene	ND	U	ND	U	0	
75-69-4	Freon 11	ND	U	ND	U	0	
76-13-1	Freon 113	ND	U	ND	U	0	
76-14-2	Freon 114	ND	U	ND	U	0	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 3052808.d & 3052807.d

Lab Sample ID: 14A & 14AA

Dilution: 1.99 & 1.99

Client Sample ID: &

Date Analyzed: 5/28/10 & 5/28/10

CAS Number	Compound	Original Amount	Original Flags	Duplicate Amount	Duplicate Flags	RPD	Result Less Than 5X RL
75-71-8	Freon 12	ND	U	ND	U	0	
142-82-5	Heptane	ND	U	ND	U	0	
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0	
110-54-3	Hexane	ND	U	ND	U	0	
108-38-3	m,p-Xylene	ND	U	ND	U	0	
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0	
75-09-2	Methylene Chloride	13.033		12.135		7.1	
95-47-6	o-Xylene	ND	U	ND	U	0	
103-65-1	Propylbenzene	ND	U	ND	U	0	
100-42-5	Styrene	ND	U	ND	U	0	
127-18-4	Tetrachloroethene	ND	U	ND	U	0	
109-99-9	Tetrahydrofuran	ND	U	ND	U	0	
108-88-3	Toluene	ND	U	ND	U	0	
9999-9999-038	TPH ref. to Gasoline (MW=100)	ND		ND		0	
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0	
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0	
79-01-6	Trichloroethene	ND	U	ND	U	0	
75-01-4	Vinyl Chloride	ND	U	ND	U	0	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd3.i/20may10.b/3052002.d
Level 2: /chem/msd3.i/20may10.b/3052003.d
Level 3: /chem/msd3.i/21may10.b/3052102.d
Level 4: /chem/msd3.i/20may10.b/3052005.d
Level 5: /chem/msd3.i/21may10.b/3052103.d
Level 6: /chem/msd3.i/20may10.b/3052007.d
Level 7: /chem/msd3.i/21may10.b/3052104.d

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 Freon 134a	+++++	+++++	0.57446	+++++	0.76236	+++++	0.73022	0.68901	14.586
5 Freon 152a	+++++	+++++	0.37864	+++++	0.45847	+++++	0.43927	0.42546	9.795
6 Propylene	+++++	+++++	0.85915	0.78159	0.62484	0.71594	0.79006	0.75432	11.717
7 Dichlorodifluoromethane/Fr12	+++++	2.43633	2.75950	2.82159	2.20994	2.44719	2.68649	2.56017	9.157

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
9 Freon 22	+++++	+++++	0.19402	+++++	0.20555	+++++	0.19889	0.19949	2.900	
10 Freon 114	+++++	2.15311	2.10395	2.27025	1.96218	1.86463	1.94869	2.05047	7.377	
11 Chloromethane	+++++	+++++	0.56138	0.50153	0.42068	0.41847	0.41911	0.46423	13.984	
12 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
13 Butane	+++++	+++++	0.37994	0.12426	0.12401	0.10302	0.10366	0.16698	71.568	<-
14 Vinyl Chloride	+++++	0.90424	0.98491	0.53344	0.65292	0.61075	0.57054	0.70947	26.522	
15 1,3-Butadiene	+++++	0.99527	0.83969	0.68518	0.71649	0.70085	0.64328	0.76346	17.203	
16 Freon142b	+++++	+++++	1.40413	+++++	1.70232	+++++	1.63403	1.58016	9.887	
17 Freon 143a	+++++	+++++	0.21177	+++++	0.33700	+++++	0.29853	0.28243	22.713	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
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Quant Method : ISTD
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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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 Propanal	*****	*****	*****	*****	*****	*****	*****	*****	*****
19 Freon 14	*****	*****	*****	*****	*****	*****	*****	*****	*****
20 Vinyl Fluoride	*****	*****	*****	*****	*****	*****	*****	*****	*****
21 Bromomethane	*****	1.16992	0.94382	0.92761	0.73419	0.81783	0.88794	0.91355	16.149
22 Bromoethane	*****	*****	*****	*****	*****	*****	*****	*****	*****
23 Isobutylene	*****	*****	*****	*****	*****	*****	*****	*****	*****
24 Chloroethane	*****	0.61654	0.80385	0.53306	0.46121	0.47479	0.58538	0.57914	21.684
25 Isopentane	*****	*****	1.43994	1.57521	1.29463	1.33659	1.41837	1.41295	7.665
26 2,3-Dimethylbutane	*****	*****	*****	*****	*****	*****	*****	*****	*****
27 Freon143a	*****	*****	*****	*****	*****	*****	*****	*****	*****

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Trichlorofluoromethane/Fr11	+++++	3.01661	2.85103	3.02984	2.79800	2.57518	2.61864	2.81488	6.823
29 Ethanol	+++++	+++++	0.32657	0.38526	0.32160	0.35941	0.39162	0.35689	9.060
30 Freon 113	+++++	1.93908	1.92345	1.95021	1.89189	1.79034	1.76849	1.87724	4.186
31 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 1,1-Dichloroethene	+++++	1.26192	1.15828	1.09678	0.98591	0.96856	0.98772	1.07653	10.930
33 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Acetone	+++++	+++++	0.56138	0.48899	0.44112	0.43680	0.46154	0.47797	10.669
35 Carbon Disulfide	+++++	3.07645	3.03804	2.98300	2.61278	2.62753	2.75048	2.84805	7.365
36 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 2-Propanol	+++++	+++++	1.82120	1.95139	1.81717	1.77188	1.83413	1.83915	3.643

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 3-Chloropropene	+++++	+++++	0.54240	0.50603	0.47048	0.45794	0.47231	0.48983	7.016
42 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 Methylene Chloride	+++++	1.18064	1.19946	1.20372	1.04400	1.04490	1.11358	1.13105	6.584
44 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Dichlorofluoromethane/Fr21	+++++	+++++	1.78852	+++++	2.21496	+++++	2.12076	2.04141	10.974
46 tert-Butyl-Alcohol	+++++	+++++	0.45290	0.33670	0.29801	0.28288	0.27709	0.32952	22.089
47 MTBE	+++++	3.01349	2.51411	2.90451	2.66923	2.62889	2.72275	2.74216	6.734

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
48 trans-1,2-Dichloroethene	+++++	0.79782	0.77711	0.76012	0.69350	0.67057	0.68860	0.73129	7.311
49 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 Hexane	+++++	2.04980	1.70092	1.89072	1.73721	1.65264	1.63671	1.77800	9.064
52 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 Freon123a	+++++	+++++	1.35105	+++++	1.66349	+++++	1.66652	1.56035	11.617
54 Freon123	+++++	+++++	1.96757	+++++	2.40089	+++++	2.37720	2.24855	10.835
55 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
58 Isopropyl ether	+++++	+++++	5.70073	5.32229	5.03218	4.64614	4.74828	5.08992	8.474
59 1,1-Dichloroethane	+++++	2.33750	2.12043	2.25576	2.10512	1.96003	1.98711	2.12766	6.935
60 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
61 Vinyl Acetate	+++++	+++++	0.28147	0.33209	0.30997	0.29906	0.30053	0.30463	6.068
62 Cyclopentene	+++++	+++++	1.61486	+++++	1.98397	+++++	1.99099	1.86327	11.548
63 1-Propanol	+++++	+++++	0.23032	+++++	0.21931	+++++	0.23895	0.22952	4.289
64 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
65 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
68 t-Butylethyl Ether	+++++	+++++	3.08248	3.98908	3.01556	2.70035	3.05866	3.16923	15.258
69 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
71 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 cis-1,2-Dichloroethene	+++++	0.85083	0.81310	0.84024	0.78173	0.74396	0.76672	0.79943	5.294
74 2-Butanone	+++++	0.75142	0.59303	0.68389	0.62457	0.59184	0.59674	0.64025	10.117
75 Tetrahydrofuran	+++++	1.76346	1.51333	1.63308	1.53743	1.41340	1.40457	1.54421	8.859
77 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
78 Chloroform	+++++	2.79206	2.38362	2.64044	2.45228	2.32917	2.30587	2.48391	7.768

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
79 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 Cyclohexane	1.90809	1.64972	1.76604	1.67053	1.58326	1.56063		1.68971	7.647
81 1,1,1-Trichloroethane	2.71780	2.35751	2.61742	2.47298	2.38564	2.36517		2.48609	6.030
82 Carbon Tetrachloride	2.41879	2.32931	2.62847	2.40209	2.37037	2.38321		2.42204	4.362
83 2,2-Dichloropropane	+++++	+++++	1.68003	+++++	1.95741	+++++	2.03873	1.89206	9.940
84 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 2,2,4-Trimethylpentane	6.56010	5.89842	6.06314	5.44971	5.25602	4.98678		5.70236	10.163
88 Benzene	1.00532	0.92812	1.04575	0.95885	0.91824	0.86566		0.95366	6.768

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
90 Isobutanol	+++++	+++++	0.75842	+++++	0.82636	+++++	0.83977	0.80818	5.396
91 1,1-Dichloropropene	+++++	+++++	0.15520	+++++	0.19316	+++++	0.19277	0.18038	12.087
92 tert-amyl-Methyl Ether	+++++	+++++	2.96536	4.01546	2.73949	2.41906	2.62430	2.95273	21.202
93 1,2-Dichloroethane	+++++	0.45362	0.42148	0.48100	0.44202	0.43389	0.43077	0.44380	4.780
94 Heptane	+++++	0.36872	0.36070	0.39372	0.36674	0.35093	0.34824	0.36484	4.485
95 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 1-Butanol	+++++	+++++	0.24120	+++++	0.27410	+++++	0.27809	0.26446	7.655
98 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
101 Epichlorohydrin	*****	*****	*****	*****	*****	*****	*****	*****	*****
102 Trichloroethene	*****	0.45517	0.42371	0.45498	0.42543	0.41390	0.41710	0.43171	4.303
103 2-Chloroethyl vinyl ether	*****	*****	*****	*****	*****	*****	*****	*****	*****
104 Methyl Cyclohexane	*****	2.45543	2.16756	2.38222	2.20123	2.07409	2.09886	2.22990	6.954
105 Octane	*****	*****	*****	*****	*****	*****	*****	*****	*****
106 1,2-Dichloropropane	*****	0.38813	0.36783	0.40228	0.36984	0.35733	0.35462	0.37334	4.947
107 1,4-Dioxane	*****	*****	0.21160	0.24859	0.23266	0.23040	0.23425	0.23150	5.707
108 1,3-Dichloropropane	*****	*****	0.48091	*****	0.60032	*****	0.60169	0.56097	12.361
109 Bromodichloromethane	*****	0.67619	0.63165	0.75191	0.68523	0.68172	0.68363	0.68505	5.620
110 Butyl Acetate	*****	*****	0.45011	*****	0.44511	*****	0.45553	0.45025	1.158

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
111 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
112 cis-1,3-Dichloropropene	+++++	0.55020	0.51247	0.60160	0.55842	0.54219	0.55136	0.55271	5.220
113 2-Heptanone	+++++	+++++	1.83188	+++++	2.53334	+++++	2.49404	2.28642	17.238
114 4-Methyl-2-pentanone	+++++	0.32504	0.29080	0.33341	0.31972	0.31370	0.31124	0.31565	4.615
116 Toluene	+++++	1.13530	1.10195	1.21613	1.12444	1.09480	1.05796	1.12176	4.765
117 Cyclohexanone	+++++	+++++	0.44652	+++++	0.50589	+++++	0.48472	0.47904	6.281
118 Bromobenzene	+++++	+++++	0.41694	+++++	0.56269	+++++	0.59719	0.52561	18.203
119 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 1,2,3-Trichloropropane	+++++	+++++	0.19836	+++++	0.26714	+++++	0.27808	0.24786	17.435
121 2-Chlorotoluene	+++++	+++++	0.33372	+++++	0.45060	+++++	0.46763	0.41731	17.467

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

Compound	0.30000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 4-Chlorotoluene	+++++	+++++	0.32454	+++++	0.46727	+++++	0.48736	0.42639	20.819
123 trans-1,3-Dichloropropene	+++++	0.60823	0.64128	0.68985	0.64985	0.64791	0.62244	0.64326	4.342
124 Diisobutyl Ketone	+++++	+++++	0.87526	+++++	1.24097	+++++	1.17514	1.09713	17.768
125 tert-Butylbenzene	+++++	+++++	1.04733	+++++	1.44145	+++++	1.39534	1.29471	16.642
126 1,1,1,2-Tetrachloroethane	+++++	+++++	0.41381	+++++	0.52137	+++++	0.52960	0.48826	13.232
127 Pentachloroethane	+++++	+++++	0.26243	+++++	0.42029	+++++	0.44064	0.37445	26.050
128 1,1,2-Trichloroethane	+++++	0.48961	0.45035	0.47089	0.43803	0.43050	0.42630	0.45095	5.509
129 sec-Butylbenzene	+++++	+++++	0.30844	+++++	0.45845	+++++	0.46340	0.41010	21.476
130 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 Tetrachloroethene	+++++	0.56217	0.57965	0.61309	0.57960	0.58208	0.58556	0.58369	2.832

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
132 p-Cymene	+++++	+++++	1.66912	+++++	1.76310	+++++	1.60712	1.67978	4.675
133 1,2,3-Trimethylbenzene	+++++	+++++	0.51378	+++++	0.71335	+++++	0.70735	0.64483	17.606
134 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
135 2-Hexanone	+++++	0.48356	0.48911	0.52116	0.50356	0.48566	0.47615	0.49320	3.327
136 Butylbenzene	+++++	+++++	0.28096	+++++	0.47045	+++++	0.50123	0.41755	28.568
137 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 Dibromochloromethane	+++++	0.66751	0.64786	0.79717	0.74093	0.74167	0.74102	0.72269	7.634
139 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 1,2-Dibromoethane	+++++	0.64055	0.66571	0.73080	0.68785	0.66088	0.65462	0.67340	4.766
141 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.23304	+++++	0.49674	+++++	0.54503	0.42494	39.519

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
142 beta-Pinene	*****	*****	*****	*****	*****	*****	*****	*****	*****
143 Dodecane	*****	*****	*****	*****	*****	*****	*****	*****	*****
145 Chlorobenzene	*****	0.98703	0.98903	1.06387	1.01606	0.98404	0.94963	0.99828	3.854
146 D-Limonene	*****	*****	*****	*****	*****	*****	*****	*****	*****
147 Ethyl Benzene	*****	0.54214	0.50299	0.55260	0.52304	0.51104	0.50644	0.52304	3.881
148 Hexachloroethane	*****	*****	*****	*****	*****	*****	*****	*****	*****
149 Undecane	*****	*****	*****	*****	*****	*****	*****	*****	*****
150 m,p-Xylene	*****	0.62413	0.61182	0.67728	0.65268	0.64053	0.63330	0.63996	3.592
151 Indan	*****	*****	*****	*****	*****	*****	*****	*****	*****
152 Indene	*****	*****	*****	*****	*****	*****	*****	*****	*****

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
153 o-Xylene	+++++	0.50772	0.55718	0.61623	0.60981	0.60438	0.60462	0.58333	7.306
154 Styrene	+++++	0.86882	0.88369	1.03296	1.01521	0.99152	0.96332	0.95925	7.148
155 Bromoform	+++++	0.51104	0.50429	0.64187	0.64726	0.66243	0.68352	0.60840	13.048
156 Cumene	+++++	1.70253	1.61490	1.65236	1.69820	1.63805	1.53544	1.64025	3.760
157 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
158 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
160 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,1,2,2-Tetrachloroethane	+++++	0.82113	0.78356	0.93146	0.88894	0.89571	0.86646	0.86454	6.227
162 Propylbenzene	+++++	1.83664	1.70213	2.07078	2.00002	1.94695	1.77320	1.88829	7.482
163 4-Ethyltoluene	+++++	0.52391	0.48174	0.54151	0.54550	0.55288	0.56149	0.53451	5.378

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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 1,3,5-Trimethylbenzene	0.71502	0.59338	0.66343	0.69379	0.72589	0.72539	0.71803	0.69070	6.995
165 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
166 1,2,4-Trimethylbenzene	0.75291	0.61767	0.60180	0.56475	0.64869	0.66278	0.67276	0.64591	9.330
167 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 1,3-Dichlorobenzene	+++++	1.10641	0.84948	0.91113	0.89868	0.90979	0.93396	0.93491	9.473
169 1,4-Dichlorobenzene	+++++	0.89031	0.92200	0.92001	0.90345	0.92763	0.94215	0.91759	1.994
170 alpha-Chlorotoluene	+++++	1.17040	1.22060	1.32096	1.39035	1.36539	1.30050	1.29470	6.537
171 1,2-Dichlorobenzene	+++++	0.81938	0.83647	0.74840	0.83403	0.84273	0.86013	0.82353	4.749
172 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
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
174 1,2,4-Trichlorobenzene	+++++	+++++	0.61780	0.56471	0.60872	0.68163	0.75377	0.64533	11.407
175 Hexachlorobutadiene	+++++	+++++	0.34768	0.36088	0.40334	0.43844	0.50933	0.41193	15.824
176 Naphthalene	+++++	+++++	2.18673	2.90610	3.35824	3.20159	3.08854	2.94824	15.485
$ 89 1,2-Dichloroethane-d4	1.34238	1.36416	1.31863	1.36590	1.34662	1.39780	1.43042	1.36656	2.728
$ 115 Toluene-d8	0.93421	0.95773	0.94609	0.97451	0.97666	0.97238	0.98046	0.96315	1.825
$ 159 Bromofluorobenzene	0.52154	0.52331	0.49832	0.50092	0.51938	0.51843	0.51407	0.51371	1.961

Calibration History

Method : /chem/msd3.i/21may10.b/310q0520a.m
Start Cal Date: 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.30000		
20-MAY-2010 11:15	AFCEElow	/chem/msd3.i/20may10.b/3052002.d
Cal Level: 2 , Cal Amount: 0.50000		
20-MAY-2010 11:38	AT10low	/chem/msd3.i/20may10.b/3052003.d
Cal Level: 3 , Cal Amount: 2.00000		
21-MAY-2010 15:40	spAER	/chem/msd3.i/21may10.b/3052102.d
20-MAY-2010 12:02	AT10ICAL	/chem/msd3.i/20may10.b/3052004.d
Cal Level: 4 , Cal Amount: 25.00000		
20-MAY-2010 12:32	AT10	/chem/msd3.i/20may10.b/3052005.d
Cal Level: 5 , Cal Amount: 50.00000		
21-MAY-2010 16:20	spAER	/chem/msd3.i/21may10.b/3052103.d
20-MAY-2010 12:56	AT10	/chem/msd3.i/20may10.b/3052006.d
Cal Level: 6 , Cal Amount: 100.00000		
20-MAY-2010 13:19	AT10	/chem/msd3.i/20may10.b/3052007.d
Cal Level: 7 , Cal Amount: 200.00000		
21-MAY-2010 17:00	spAER	/chem/msd3.i/21may10.b/3052104.d
20-MAY-2010 13:43	AT10	/chem/msd3.i/20may10.b/3052008.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
21-MAY-2010 16:20	spAER	/chem/msd3.i/21may10.b/3052103.d
Ccal Level: 5 , Ccal Amount: 50.000		
21-MAY-2010 16:20	spAERCCV	/chem/msd3.i/21may10.b/3052103a.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-3 on 5/20/2010.
No Butane, TBA.
A 3 point initial calibration was analyzed on MSD-3 on 5/21/2010.

LDB 5/21/10
GB 5/24/10

Air Toxics Ltd.

INITIAL CALIBRATION DATA

ICAL: No Butane, Tert-Butyl Alcohol

Start Cal Date : 20-MAY-2010 11:15
End Cal Date : 21-MAY-2010 17:00
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd3.i/21may10.b/310q0520a.m
Cal Date : 21-May-2010 17:15 sdisher
Curve Type : Average

VCS: 3052010 #1936-114, 50ppbv
Ooot

AFCEE 4.0 ok

* 3pt Curve sp.

Calibration File Names:
Level 1: /chem/msd3.i/20may10.b/3052002.d
Level 2: /chem/msd3.i/20may10.b/3052003.d
Level 3: /chem/msd3.i/21may10.b/3052102.d
Level 4: /chem/msd3.i/20may10.b/3052005.d
Level 5: /chem/msd3.i/21may10.b/3052103.d
Level 6: /chem/msd3.i/20may10.b/3052007.d
Level 7: /chem/msd3.i/21may10.b/3052104.d

1,3,5 and 1,2,4-TMB at 0.3ppbv

Compound	0.30000 Level 1 / 200.000 Level 7	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
1 Dimethyl Ether	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Acetaldehyde	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Freon 13	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
* 4 Freon 134a	+++++ / 0.73022	+++++	0.57446	+++++	0.76236	+++++	0.68901	14.586
* 5 Freon 152a	+++++ / 0.43927	+++++	0.37864	+++++	0.45847	+++++	0.42546	9.795
6 Propylene	+++++ / 0.79006	+++++	0.85915	0.78159	0.62484	0.71594	0.75432	11.717
7 Dichlorodifluoromethane/Fr12	+++++ / 2.68649	2.43633	2.75950	2.82159	2.20994	2.44719	2.56017	9.157

@ Air Toxics Ltd.

MSD-3

Logbook #: 1885

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.77
75	30.0 – 60.0% of mass 95	46.88
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.19
173	Less than 2.0% of mass 174	(0.55)[1]
174	50.0 – 100% of mass 95	72.85
175	5.0 – 9.0% of mass 174	(7.00)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.91)[1]
177	5.0 – 9.0% of mass 176	(6.53)[2]

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

Verify 176/174 m/z Ratio: (235 392/242901) 100 = 96.91

BFB Injection Date: 5/20/10
BFB Injection Time: 1045
BFB File ID: 3052001
Tekmar Purge Flow: 20 mL/min
Vacuum: $1e^{-5}$

IS/S Std.#: 1936-174	Exp. Date: 8/13/10
BCM 258882	
1,4-DFB 984675	
CB-d5 359874	

Verified CCV IS vs ICAL mid-point (- 40%D) DLS 5/20/10 *initials*

NOAH Cart #: ——— **File #:** ———

Calculation Check:

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

File ID:	
~~Compound~~:	
Initials:	

Reported Result ———

DLS 5/20/10

Method: ~~310g0428a~~ 310g0520a DLS 5/20/10

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	~~3100~~ 3052001 (5/20/10 DLS)	BFB Tune Check	1936-174	36 mg	1 mL	1.00	KAS	5/20/10	1045	DLS	
2	✓	02	ICAL Level #1	1936-194	0.3 ppbv	30 mL				1115	DLS	
3	✓	03	2		0.5 ppbv	50 mL				1138	DLS	
4	✓	04	3	↓	20 ppbv	200 mL				1202	DLS	
5	✓	05	4	1936-182	25 ppbv	25 mL				1232	DLS	
6	✓	06	5		50 ppbv	50 mL				1256	DLS	
7	✓	07	6	↓	100 ppbv	100 mL				1319	DLS	
8	✓	08	7	↓	200 ppbv	200 mL	↓	↓	↓	1343	DLS	

Signature

5/20/10
Date

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MSD-3

Logbook #: 1885

9	X	30520C9	System Blank	917	humid	200mL	1.00	Aer	5/20/10	1407	dks	
10	✓	30520110	LCS (200ppbv)	1936-1114	50ppbv	50mL	↓	↓	↓	1430	dks	
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Comments:

0150 of 0402

Signature

5/24/10
Date

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MSD-3

Logbook #: 1885

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.64
75	30.0 – 60.0% of mass 95	45.61
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.83
173	Less than 2.0% of mass 174	(0.58)[1]
174	50.0 – 100% of mass 95	75.25
175	5.0 – 9.0% of mass 174	(6.73)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.56)[1]
177	5.0 – 9.0% of mass 176	(6.46)[2]

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

BFB Injection Date: 5-21-10
BFB Injection Time: 1410
BFB File ID: 3052101
Tekmar Purge Flow: —
Vacuum: $9.93 * 10^{-6}$

IS/S Std.#: 1936-174	Exp. Date: 8-13-10
BCM 299578	
1,4-DFB 113467	
CB-d5 975911	

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

Verify 176/174 m/z Ratio: 319424 / 330816 * 100 = 96.56 ✓

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

Calculation Check:

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

File ID:	
Compound:	
Initials:	

Reported Result _____

Method: 310q0520a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	3052101	BFB Tune Check	1936-174	36 ng	1 mL	1.0	MR	5-21-10	1410	MR	
2	✓	-02	ICAL Level 3	1936-121	2.0 ppbv	200 mL	1.0	MR	5-21-10	1540	MR	Aer sp / sp Aer
3	✓	-03	ICAL Level 5	1936-144	50 ppbv	50 mL	1.0	MR	5-21-10	1620	MR	sp Aer CCV
4	✓	-04	ICAL Level 7	1936-144	200 ppbv	200 mL	1.0	MR	5-21-10	1700	MR	
5	X	-05	System Blank	917	Humid	200 mL	1.0	MR	5-21-10	1730	DLS	
6	✓	06	↓	↓	↓	↓	↓	RA		1804	DLS	
7	✓	07	TPHg ICAL # 1	1911-330A	10 ppbv	80 mL	1.00	RA		1832	DLS	
8	✓	08	↓ 2	1936-166	500 ppbv	40 mL	1.00	RA	↓	1856	DLS	

Signature

5/24/10
Date

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MSD-3

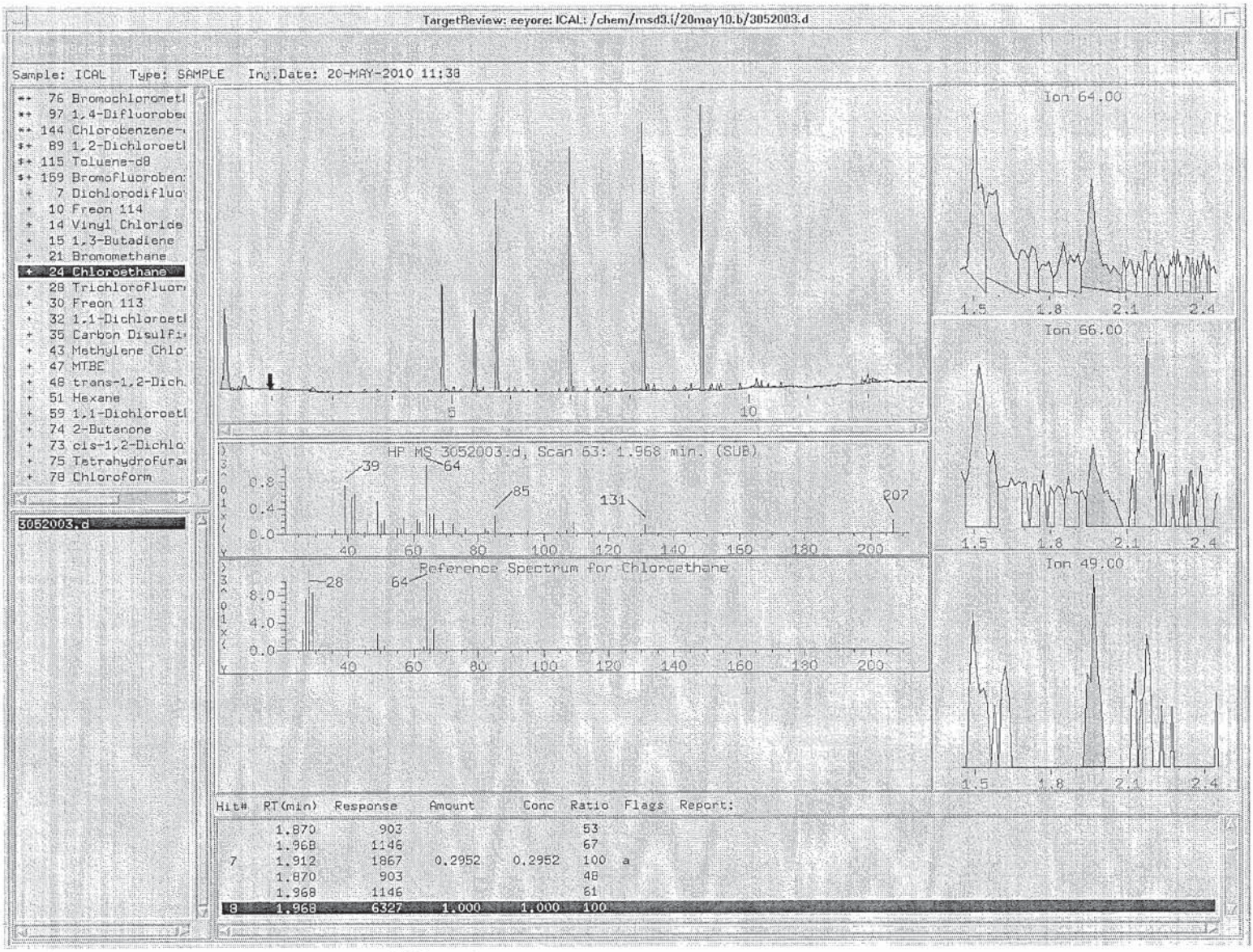
Logbook #: 1885

9	✓	3052109	TPHg ICAL #3	1936-166	2500ppbv	200mL	1.00	RA	5/21/10	1919	DLS	
10	X	10	System Blank	917	Humid	200mL	1.00	RA		2030	DLS	
11	✓	11	↓	↓	↓	↓	↓	RA		2054	DLS	
12	✓	12	TPHg LCS	1936-168	500ppbv	40mL	1.00	RA	↓	2219	DLS	
13	X	13	System Blank	917	humid	200mL	↓	DLS	5/24/10	0709	DLS	
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

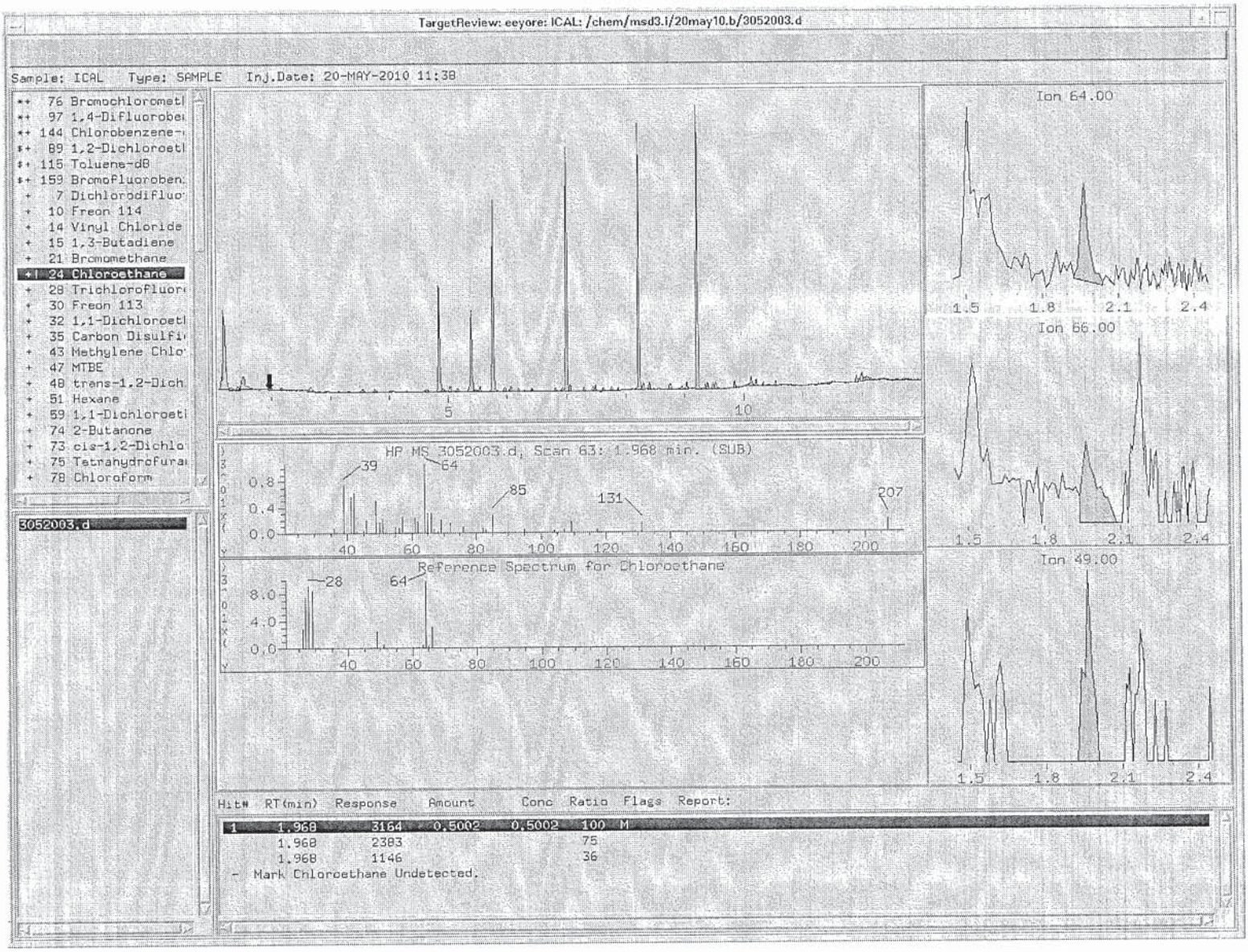
Comments:

Signature

5/24/10
Date


TargetReview: eeyore: ICAL: /chem/msd3.i/20may10.b/3052003.d
Sample: ICAL Type: SAMPLE Inj.Date: 20-MAY-2010 11:38
76 Bromochlorometl
97 1,4-Difluorobe
144 Chlorobenzene-
89 1,2-Dichloroetl
115 Toluene-d8
159 Bromofluoroben
7 Dichlorodifluo
10 Freon 114
14 Vinyl Chloride
15 1,3-Butadiene
21 Bromomethane
24 Chloroethane
28 Trichlorofluor
30 Freon 113
32 1,1-Dichloroetl
35 Carbon Disulfi
43 Methylene Chlo
47 MTBE
48 trans-1,2-Dich
51 Hexane
59 1,1-Dichloroetl
74 2-Butanone
73 cis-1,2-Dichlo
75 Tetrahydrofura
78 Chloroform
3052003.d
HP MS 3052003.d, Scan 63: 1.968 min. (SUB)
Reference Spectrum for Chloroethane
Ion 64.00
Ion 66.00
Ion 49.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1.870 903 53
1.968 1146 67
7 1.912 1867 0.2952 0.2952 100 a
1.870 903 48
1.968 1146 61
8 1.968 6327 1.000 1.000 100

Before

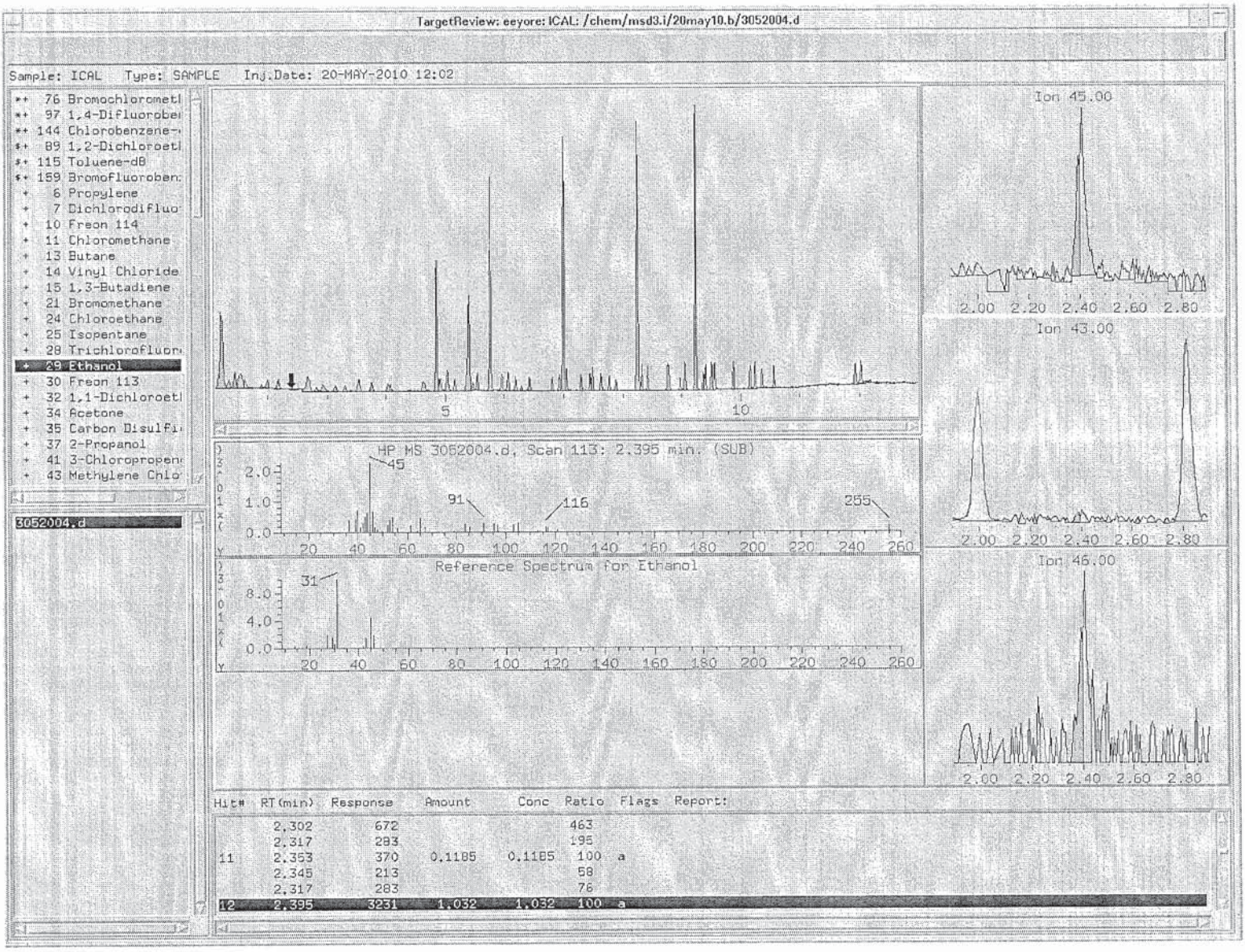


After

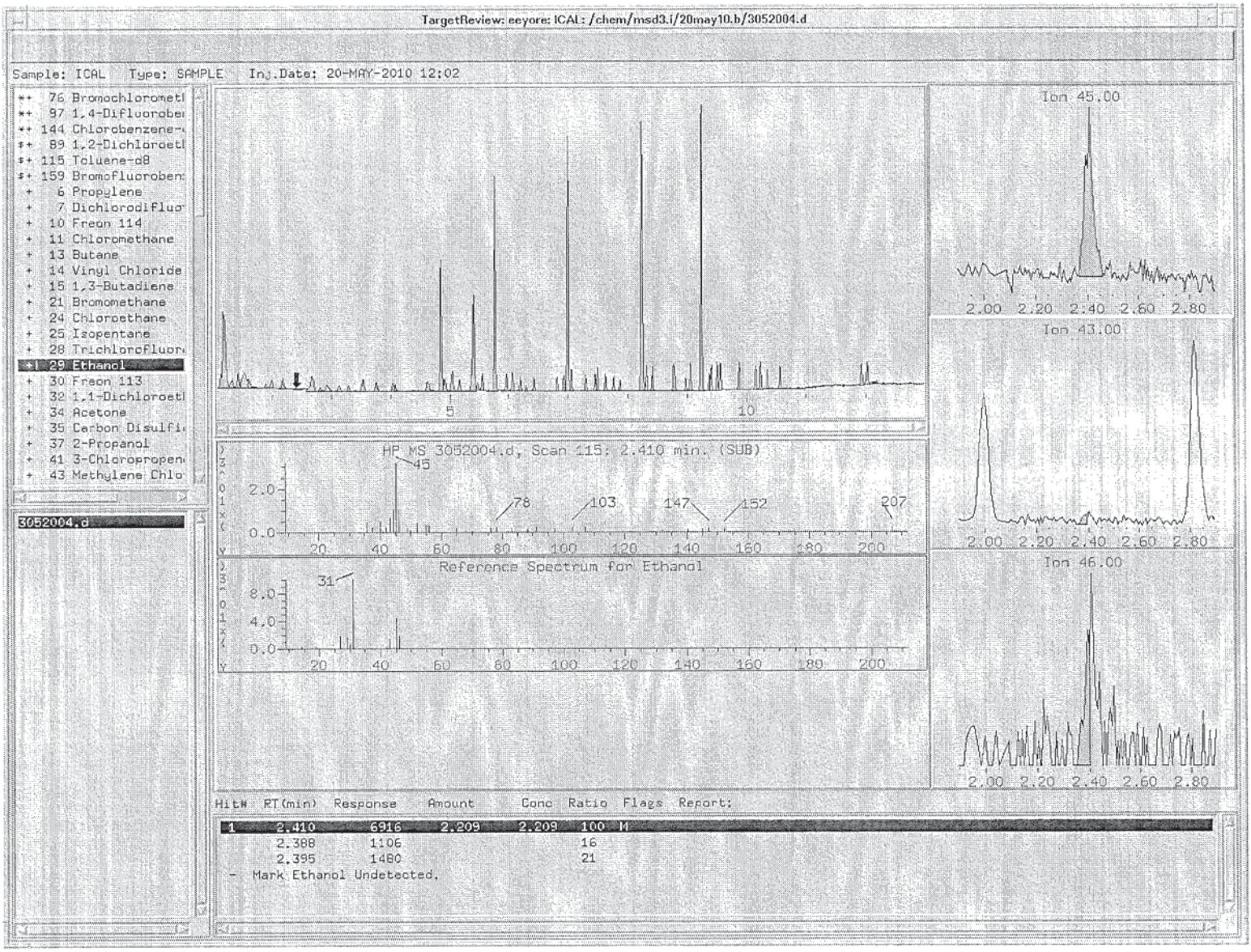
5/24/10

Team VOC

Date / Initial	NB 5/20/10
Poor Integration	✓
Split Peak	
Peak Tailing	
Background	
Zoom In	
Missed Peak	
Merged Peak	


TargetReview: eeyore: ICAL: /chem/msd3.i/20may10.b/3052004.d
Sample: ICAL Type: SAMPLE Inj.Date: 20-MAY-2010 12:02
76 Bromochlorometl
97 1,4-Difluorobe
144 Chlorobenzene-
89 1,2-Dichloroetl
115 Toluene-d8
159 Bromofluoroben
6 Propylene
7 Dichlorodifluo
10 Freon 114
11 Chloromethane
13 Butane
14 Vinyl Chloride
15 1,3-Butadiene
21 Bromomethane
24 Chloroethane
25 Isopentane
28 Trichlorofluor
29 Ethanol
30 Freon 113
32 1,1-Dichloroetl
34 Acetone
35 Carbon Disulfi
37 2-Propanol
41 3-Chloropropen
43 Methylene Chlo
3052004.d
HP MS 3052004.d, Scan 113: 2.395 min. (SUB)
Reference Spectrum for Ethanol
Ion 45.00
Ion 43.00
Ion 46.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
2.302 672 463
2.317 283 195
11 2.353 370 0.1185 0.1185 100 a
2.345 213 58
2.317 283 76
12 2.395 3231 1.032 1.032 100 a

Before



After

5/24/10

Team VOC

Date / Initial	DDB 5/20/10
Poor Integra	
Split Peal	✓
Peak Tail	
Backgrou	
Zoom In	
Missed Peak	
Merged Peaks	

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052010.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 20-MAY-2010 14:30
Operator : acb Inst ID: msd3.i
Smp Info : 50mL #1936-114
Misc Info : 50ppbv
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:02 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 13:43 Cal File: 3052008.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.838 (1.000)	130	259418	25.0000		50.00- 150.00	100.00
4.852	4.838 (1.000)	128	206135			27.68- 127.68	79.46
4.845	4.838 (1.000)	49	343255			83.55- 183.55	132.32
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.748 (1.000)	114	995211	25.0000		50.00- 150.00	100.00
5.762	5.748 (1.000)	88	154955			0.00- 65.98	15.57
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.219 (1.000)	117	873169	25.0000		50.00- 150.00	100.00
8.240	8.219 (1.000)	82	493108			6.33- 106.33	56.47
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.382 (1.112)	65	351723	24.8035	24.803	50.00- 150.00	100.00
5.397	5.382 (1.112)	67	199005			4.53- 104.53	56.58
$ 115 Toluene-d8					CAS #: 2037-26-5		
7.001	6.980 (1.215)	98	975850	25.4516	25.452	50.00- 150.00	100.00
7.001	6.980 (1.215)	70	112021			0.00- 61.77	11.48

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	6.980 (1.215)	100	664750			17.54- 117.54	68.12
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.222 (1.121)	174	477773	26.6285	26.628	50.00- 150.00	100.00
9.236	9.222 (1.121)	95	668725			89.80- 189.80	139.97
9.236	9.222 (1.121)	176	463995			47.30- 147.30	97.12
6 Propylene					CAS #: 115-07-1		
1.311	1.311 (0.270)	41	330702	42.2497	42.250	50.00- 150.00	100.00
1.311	1.311 (0.270)	42	223350			16.29- 116.29	67.54
1.311	1.311 (0.270)	39	255004			25.67- 125.67	77.11
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.325	1.339 (0.273)	85	1216172	45.7788	45.779	50.00- 150.00	100.00
1.325	1.339 (0.273)	87	397616			0.00- 83.16	32.69
10 Freon 114					CAS #: 76-14-2		
1.437	1.436 (0.296)	135	1056907	49.6733	49.673	50.00- 150.00	100.00
1.437	1.436 (0.296)	137	340030			0.00- 81.19	32.17
11 Chloromethane					CAS #: 74-87-3		
1.493	1.492 (0.308)	50	218664	45.3921	45.392	50.00- 150.00	100.00
1.493	1.492 (0.308)	52	75900			0.00- 89.83	34.71
13 Butane					CAS #: 106-97-8		
1.562	1.548 (0.322)	58	94306	54.4282	54.428	50.00- 150.00	100.00
1.562	1.548 (0.322)	43	719180			671.03- 771.03	762.60
14 Vinyl Chloride					CAS #: 75-01-4		
1.576	1.576 (0.325)	62	422965	57.4526	57.453	50.00- 150.00	100.00
1.576	1.576 (0.325)	64	142521			9.16- 109.16	33.70
15 1,3-Butadiene					CAS #: 106-99-0		
1.604	1.604 (0.331)	54	403718	50.9602	50.960	50.00- 150.00	100.00
1.604	1.604 (0.331)	39	488900			86.04- 186.04	121.10
21 Bromomethane					CAS #: 74-83-9		
1.884	1.884 (0.388)	94	400661	42.2652	42.265	50.00- 150.00	100.00
1.884	1.884 (0.388)	96	383605			43.85- 143.85	95.74
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.406)	64	254329	42.3208	42.321	50.00- 150.00	100.00
1.968	1.968 (0.406)	66	81053			0.00- 91.47	31.87
1.968	1.968 (0.406)	49	74911			0.00- 76.92	29.45

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
25 Isopentane					CAS #: 78-78-4		
1.996	1.996 (0.411)	43	749213	51.0996	51.100	50.00- 150.00	100.00
1.996	1.996 (0.411)	57	524529			17.32- 117.32	70.01
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.173	2.173 (0.448)	101	1473214	50.4364	50.436	50.00- 150.00	100.00
2.173	2.173 (0.448)	103	959012			16.11- 116.11	65.10
29 Ethanol					CAS #: 64-17-5		
2.388	2.395 (0.492)	45	164436	44.4016	44.402	50.00- 150.00	100.00
2.388	2.395 (0.492)	43	38520			0.00- 70.33	23.43
2.388	2.395 (0.492)	46	65588			0.00- 85.62	39.89
30 Freon 113					CAS #: 76-13-1		
2.668	2.660 (0.550)	151	892647	45.8245	45.824	50.00- 150.00	100.00
2.668	2.660 (0.550)	153	567326			15.27- 115.27	63.56
2.668	2.660 (0.550)	101	1076598			70.04- 170.04	120.61
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.696	2.696 (0.556)	96	474157	42.4459	42.446	50.00- 150.00	100.00
2.696	2.696 (0.556)	98	300379			13.42- 113.42	63.35
2.696	2.696 (0.556)	61	771610			102.48- 202.48	162.73
34 Acetone					CAS #: 67-64-1		
2.811	2.804 (0.579)	58	232008	46.7783	46.778	50.00- 150.00	100.00
2.811	2.804 (0.579)	43	795791			294.99- 394.99	343.00
35 Carbon Disulfide					CAS #: 75-15-0		
2.918	2.918 (0.601)	76	1393978	47.1680	47.168	50.00- 150.00	100.00
37 2-Propanol					CAS #: 67-63-0		
2.947	2.940 (0.607)	45	932268	48.8497	48.850	50.00- 150.00	100.00
2.947	2.940 (0.607)	43	183234			0.00- 68.53	19.65
2.947	2.940 (0.607)	59	35651			0.00- 53.71	3.82
41 3-Chloropropene					CAS #: 107-05-1		
3.133	3.126 (0.646)	76	246615	48.5191	48.519	50.00- 150.00	100.00
3.126	3.126 (0.644)	41	721969			233.43- 333.43	292.75
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.291 (0.680)	49	526911	44.8947	44.895	50.00- 150.00	100.00
3.298	3.291 (0.680)	84	403798			30.55- 130.55	76.63
3.298	3.291 (0.680)	51	158480			0.00- 78.00	30.08
46 tert-Butyl-Alcohol					CAS #: 75-65-0		
3.405	3.391 (0.702)	57	15752	4.60691	4.607	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
46 tert-Butyl-Alcohol (continued)							
3.405	3.391 (0.702)	41	32501			51.88- 151.88	206.32
3.405	3.391 (0.702)	59	148397			274.92- 374.92	942.06
47 MTBE					CAS #: 1634-04-4		
3.520	3.506 (0.725)	73	1404767	49.3685	49.368	50.00- 150.00	100.00
3.520	3.506 (0.725)	57	308133			0.00- 69.69	21.93
3.520	3.506 (0.725)	41	316805			0.00- 74.36	22.55
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.541	3.534 (0.730)	98	371787	48.9943	48.994	50.00- 150.00	100.00
3.541	3.534 (0.730)	61	823525			165.89- 265.89	221.50
3.541	3.534 (0.730)	96	580252			102.74- 202.74	156.07
51 Hexane					CAS #: 110-54-3		
3.756	3.749 (0.774)	57	923319	50.0449	50.045	50.00- 150.00	100.00
3.756	3.749 (0.774)	43	624644			20.84- 120.84	67.65
3.764	3.749 (0.776)	86	165093			0.00- 67.84	17.88
58 Isopropyl ether					CAS #: 108-20-3		
4.021	4.014 (0.829)	45	273252	5.17360	5.174	50.00- 150.00	100.00
4.029	4.014 (0.830)	87	86467			0.00- 82.08	31.64
4.029	4.014 (0.830)	59	32373			0.00- 62.26	11.85
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.036	4.021 (0.832)	63	1054403	47.7578	47.758	50.00- 150.00	100.00
4.029	4.021 (0.830)	65	333810			0.00- 82.97	31.66
61 Vinyl Acetate					CAS #: 108-05-4		
4.072	4.057 (0.839)	86	163429	51.7013	51.701	50.00- 150.00	100.00
4.072	4.057 (0.839)	43	1781970			1048.02-1148.02	1090.36
68 t-Butylethyl Ether					CAS #: 637-92-3		
4.380	4.372 (0.903)	59	162890	4.95314	4.953	50.00- 150.00	100.00
4.380	4.372 (0.903)	87	66528			0.00- 92.49	40.84
4.387	4.372 (0.904)	41	32531			0.00- 68.70	19.97
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.616	4.601 (0.951)	98	398815	48.0763	48.076	50.00- 150.00	100.00
4.616	4.601 (0.951)	96	621590			107.00- 207.00	155.86
4.616	4.601 (0.951)	61	826108			156.77- 256.77	207.14
74 2-Butanone					CAS #: 78-93-3		
4.637	4.623 (0.956)	72	331653	49.9201	49.920	50.00- 150.00	100.00
4.637	4.623 (0.956)	43	1366061			367.38- 467.38	411.89
4.637	4.623 (0.956)	57	101609			0.00- 82.47	30.64

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
75 Tetrahydrofuran					CAS #: 109-99-9		
4.845	4.831 (0.999)	42	794750	49.5979	49.598	50.00- 150.00	100.00
4.845	4.831 (0.999)	71	293978			0.00- 85.96	36.99
4.845	4.831 (0.999)	72	312238			0.00- 88.91	39.29
78 Chloroform					CAS #: 67-66-3		
4.917	4.902 (1.013)	83	1251265	48.5460	48.546	50.00- 150.00	100.00
4.917	4.902 (1.013)	85	816004			15.14- 115.14	65.21
80 Cyclohexane					CAS #: 110-82-7		
5.031	5.017 (1.037)	84	872546	49.7640	49.764	50.00- 150.00	100.00
5.031	5.017 (1.037)	56	1026825			68.72- 168.72	117.68
5.031	5.017 (1.037)	41	607825			19.25- 119.25	69.66
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.046	5.031 (1.040)	97	1259342	48.8165	48.816	50.00- 150.00	100.00
5.046	5.031 (1.040)	99	807191			13.46- 113.46	64.10
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.160	5.146 (1.063)	119	1233937	49.0965	49.096	50.00- 150.00	100.00
5.160	5.146 (1.063)	117	1280857			53.73- 153.73	103.80
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.368	5.354 (1.106)	57	2958662	50.0011	50.001	50.00- 150.00	100.00
5.368	5.354 (1.106)	56	981691			0.00- 83.36	33.18
5.368	5.354 (1.106)	41	822582			0.00- 79.00	27.80
88 Benzene					CAS #: 71-43-2		
5.375	5.361 (0.933)	78	1900225	50.0539	50.054	50.00- 150.00	100.00
5.375	5.361 (0.933)	77	438843			0.00- 75.11	23.09
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
5.454	5.440 (1.124)	73	149579	4.88188	4.882	50.00- 150.00	100.00
5.454	5.440 (1.124)	87	34638			0.00- 73.83	23.16
5.447	5.440 (1.123)	55	38500			0.00- 76.83	25.74
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.468	5.454 (0.949)	62	863865	48.8975	48.897	50.00- 150.00	100.00
5.468	5.454 (0.949)	64	286015			0.00- 84.79	33.11
94 Heptane					CAS #: 142-82-5		
5.540	5.526 (0.961)	71	734861	50.5975	50.597	50.00- 150.00	100.00
5.540	5.526 (0.961)	43	1310366			135.14- 235.14	178.31
5.540	5.526 (0.961)	57	661129			42.76- 142.76	89.97
102 Trichloroethene					CAS #: 79-01-6		
5.955	5.941 (1.034)	95	847833	49.3331	49.333	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
102 Trichloroethene (continued)							
5.955	5.941 (1.034)	130	883110			51.95- 151.95	104.16
5.955	5.941 (1.034)	97	544384			13.87- 113.87	64.21
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.063	6.048 (1.249)	83	1163484	50.2822	50.282	50.00- 150.00	100.00
6.063	6.048 (1.249)	98	570474			0.00- 99.36	49.03
6.063	6.048 (1.249)	55	951229			32.31- 132.31	81.76
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.199	6.177 (1.076)	63	731004	49.1861	49.186	50.00- 150.00	100.00
6.199	6.177 (1.076)	62	516867			19.50- 119.50	70.71
6.199	6.177 (1.076)	41	444692			12.61- 112.61	60.83
107 1,4-Dioxane					CAS #: 123-91-1		
6.285	6.270 (1.091)	88	444376	48.2194	48.219	50.00- 150.00	100.00
6.285	6.270 (1.091)	58	320187			22.28- 122.28	72.05
6.285	6.270 (1.091)	57	101872			0.00- 73.35	22.92
109 Bromodichloromethane					CAS #: 75-27-4		
6.428	6.414 (1.116)	83	1331381	48.8205	48.820	50.00- 150.00	100.00
6.428	6.414 (1.116)	85	861822			13.18- 113.18	64.73
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.815	6.793 (1.183)	75	1118571	50.8387	50.839	50.00- 150.00	100.00
6.815	6.793 (1.183)	77	348276			0.00- 81.33	31.14
6.815	6.793 (1.183)	39	614841			7.75- 107.75	54.97
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.930	6.915 (1.203)	58	621632	49.4710	49.471	50.00- 150.00	100.00
6.930	6.915 (1.203)	43	1700811			229.92- 329.92	273.60
6.930	6.915 (1.203)	85	265340			0.00- 92.97	42.68
116 Toluene					CAS #: 108-88-3		
7.051	7.037 (1.224)	91	2130556	47.7108	47.711	50.00- 150.00	100.00
7.058	7.037 (1.225)	92	1280535			10.41- 110.41	60.10
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.302	7.280 (0.886)	75	1131703	50.3718	50.372	50.00- 150.00	100.00
7.302	7.280 (0.886)	77	363563			0.00- 82.90	32.13
7.302	7.280 (0.886)	39	603626			5.93- 105.93	53.34
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.452	7.438 (0.904)	97	760938	48.3132	48.313	50.00- 150.00	100.00
7.452	7.438 (0.904)	99	475152			12.18- 112.18	62.44
7.452	7.438 (0.904)	83	662398			36.73- 136.73	87.05

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
131 Tetrachloroethene					CAS #: 127-18-4		
7.495	7.481 (0.910)	166	999735	49.0390	49.039	50.00- 150.00	100.00
7.495	7.481 (0.910)	129	773228			28.04- 128.04	77.34
7.495	7.481 (0.910)	131	734613			22.71- 122.71	73.48
135 2-Hexanone					CAS #: 591-78-6		
7.632	7.610 (0.926)	58	851289	49.4194	49.419	50.00- 150.00	100.00
7.632	7.610 (0.926)	43	1677135			147.09- 247.09	197.01
7.632	7.610 (0.926)	100	173686			0.00- 70.49	20.40
138 Dibromochloromethane					CAS #: 124-48-1		
7.768	7.746 (0.943)	129	1249659	49.5085	49.508	50.00- 150.00	100.00
7.768	7.746 (0.943)	127	975119			27.79- 127.79	78.03
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.882	7.861 (0.957)	107	1214329	51.6302	51.630	50.00- 150.00	100.00
7.882	7.861 (0.957)	109	1156175			45.62- 145.62	95.21
145 Chlorobenzene					CAS #: 108-90-7		
8.262	8.247 (1.003)	112	1770959	50.7924	50.792	50.00- 150.00	100.00
8.262	8.247 (1.003)	114	571704			0.00- 82.30	32.28
8.262	8.247 (1.003)	77	1042493			21.61- 121.61	58.87
147 Ethyl Benzene					CAS #: 100-41-4		
8.319	8.298 (1.010)	106	938609	51.3794	51.379	50.00- 150.00	100.00
8.319	8.298 (1.010)	91	2841128			253.16- 353.16	302.70
150 m,p-Xylene					CAS #: 108-38-3		
8.419	8.398 (1.022)	106	1169740	52.3336	52.334	50.00- 150.00	100.00
8.419	8.398 (1.022)	91	2257400			149.33- 249.33	192.98
153 o-Xylene					CAS #: 95-47-6		
8.763	8.742 (1.063)	106	1088237	53.4139	53.414	50.00- 150.00	100.00
8.763	8.742 (1.063)	91	2219970			156.46- 256.46	204.00
154 Styrene					CAS #: 100-42-5		
8.785	8.763 (1.066)	104	1804429	53.8578	53.858	50.00- 150.00	100.00
8.778	8.763 (1.065)	78	880791			1.45- 101.45	48.81
155 Bromoform					CAS #: 75-25-2		
8.971	8.957 (1.089)	173	1121704	52.7873	52.787	50.00- 150.00	100.00
8.971	8.957 (1.089)	171	574346			2.03- 102.03	51.20
156 Cumene					CAS #: 98-82-8		
9.057	9.035 (1.099)	105	2978604	51.9931	51.993	50.00- 150.00	100.00
9.057	9.035 (1.099)	120	852730			0.00- 78.61	28.63

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
156 Cumene (continued)							
9.050	9.035 (1.098)	51	304670			0.00- 61.59	10.23
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.365	9.351 (1.136)	83	1648045	54.5788	54.579	50.00- 150.00	100.00
9.365	9.351 (1.136)	85	1071937			13.91- 113.91	65.04
162 Propylbenzene					CAS #: 103-65-1		
9.401	9.386 (1.141)	91	3633233	55.0893	55.089	50.00- 150.00	100.00
9.401	9.386 (1.141)	120	882685			0.00- 73.78	24.29
9.401	9.386 (1.141)	105	137338			0.00- 53.86	3.78
163 4-Ethyltoluene					CAS #: 622-96-8		
9.494	9.480 (1.152)	120	1006576	53.9183	53.918	50.00- 150.00	100.00
9.494	9.480 (1.152)	105	3138513			258.07- 358.07	311.80
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.551	9.537 (1.159)	120	1332914	55.2525	55.252	50.00- 150.00	100.00
9.551	9.537 (1.159)	105	2528294			144.84- 244.84	189.68
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.874	9.859 (1.198)	120	1217076	53.9497	53.950	50.00- 150.00	100.00
9.874	9.859 (1.198)	105	2469350			155.69- 255.69	202.89
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.153	10.139 (1.232)	146	1669497	51.1281	51.128	50.00- 150.00	100.00
10.153	10.139 (1.232)	148	1082180			13.04- 113.04	64.82
10.153	10.139 (1.232)	111	690550			0.00- 90.17	41.36
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.232	10.217 (1.242)	146	1718439	53.6199	53.620	50.00- 150.00	100.00
10.232	10.217 (1.242)	148	1099767			14.53- 114.53	64.00
10.232	10.217 (1.242)	111	673074			0.00- 90.65	39.17
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.353	10.332 (1.256)	91	2342999	51.8137	51.814	50.00- 150.00	100.00
10.353	10.332 (1.256)	126	520765			0.00- 71.45	22.23
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.561	10.540 (1.282)	146	1526874	53.0846	53.084	50.00- 150.00	100.00
10.561	10.540 (1.282)	148	1003101			14.08- 114.08	65.70
10.554	10.540 (1.281)	111	656346			0.00- 94.71	42.99
174 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
11.929	11.908 (1.448)	180	1145392	50.8179	50.818	50.00- 150.00	100.00
11.929	11.908 (1.448)	182	1082708			45.73- 145.73	94.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
175 Hexachlorobutadiene					CAS #: 87-68-3		
12.022	12.001 (1.459)	225	740361	51.4586	51.459	50.00- 150.00	100.00
12.022	12.001 (1.459)	223	467189			17.13- 117.13	63.10
176 Naphthalene					CAS #: 91-20-3		
12.180	12.159 (1.478)	128	364494	3.53973	3.540	50.00- 150.00	100.00
12.180	12.159 (1.478)	127	45180			0.00- 62.50	12.40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052010.d
Lab Smp Id: LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 50ppbv

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	259418	0.21
97 1,4-Difluorobenze	984625	590775	1378475	995211	1.08
144 Chlorobenzene-d5	859874	515924	1203824	873169	1.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.23	7.90	8.56	8.24	0.17

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: 20-May-2010 14:42

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 20may10
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS Client Smp ID: LCS
Level: LOW Operator: acb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT10.sub
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
6 Propylene	50.000	42.250	84.50	60-140
7 Dichlorodifluorome	50.000	45.779	91.56	70-130
10 Freon 114	50.000	49.673	99.35	70-130
11 Chloromethane	50.000	45.392	90.78	70-130
14 Vinyl Chloride	50.000	57.453	114.91	70-130
15 1,3-Butadiene	50.000	50.960	101.92	60-140
21 Bromomethane	50.000	42.265	84.53	70-130
24 Chloroethane	50.000	42.321	84.64	70-130
28 Trichlorofluoromet	50.000	50.436	100.87	70-130
29 Ethanol	50.000	44.402	88.80	60-140
30 Freon 113	50.000	45.824	91.65	70-130
32 1,1-Dichloroethene	50.000	42.446	84.89	70-130
34 Acetone	50.000	46.778	93.56	60-140
35 Carbon Disulfide	50.000	47.168	94.34	60-140
37 2-Propanol	50.000	48.850	97.70	60-140
43 Methylene Chloride	50.000	44.895	89.79	70-130
47 MTBE	50.000	49.368	98.74	60-140
48 trans-1,2-Dichloro	50.000	48.994	97.99	60-140
51 Hexane	50.000	50.045	100.09	60-140
61 Vinyl Acetate	50.000	51.701	103.40	60-140
59 1,1-Dichloroethane	50.000	47.758	95.52	70-130
73 cis-1,2-Dichloroet	50.000	48.076	96.15	70-130
74 2-Butanone	50.000	49.920	99.84	60-140
75 Tetrahydrofuran	50.000	49.598	99.20	60-140
78 Chloroform	50.000	48.546	97.09	70-130
80 Cyclohexane	50.000	49.764	99.53	60-140
81 1,1,1-Trichloroeth	50.000	48.816	97.63	70-130
82 Carbon Tetrachlori	50.000	49.096	98.19	70-130
88 Benzene	50.000	50.054	100.11	70-130
93 1,2-Dichloroethane	50.000	48.897	97.79	70-130
94 Heptane	50.000	50.597	101.19	60-140
102 Trichloroethene	50.000	49.333	98.67	70-130
106 1,2-Dichloropropan	50.000	49.186	98.37	70-130

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
	107 1,4-Dioxane	50.000	48.219	96.44	60-140
	109 Bromodichlorometha	50.000	48.820	97.64	60-140
	112 cis-1,3-Dichloropr	50.000	50.839	101.68	70-130
	114 4-Methyl-2-pentano	50.000	49.471	98.94	60-140
	116 Toluene	50.000	47.711	95.42	70-130
	123 trans-1,3-Dichloro	50.000	50.372	100.74	70-130
	128 1,1,2-Trichloroeth	50.000	48.313	96.63	70-130
	131 Tetrachloroethene	50.000	49.039	98.08	70-130
	135 2-Hexanone	50.000	49.419	98.84	60-140
	138 Dibromochlorometha	50.000	49.508	99.02	60-140
	140 1,2-Dibromoethane	50.000	51.630	103.26	70-130
	145 Chlorobenzene	50.000	50.792	101.58	70-130
	147 Ethyl Benzene	50.000	51.379	102.76	70-130
	150 m,p-Xylene	50.000	52.334	104.67	70-130
	153 o-Xylene	50.000	53.414	106.83	70-130
	154 Styrene	50.000	53.858	107.72	70-130
	155 Bromoform	50.000	52.787	105.57	60-140
	161 1,1,2,2-Tetrachlor	50.000	54.579	109.16	70-130
	163 4-Ethyltoluene	50.000	53.918	107.84	60-140
	164 1,3,5-Trimethylben	50.000	55.252	110.50	70-130
	166 1,2,4-Trimethylben	50.000	53.950	107.90	70-130
	168 1,3-Dichlorobenzen	50.000	51.128	102.26	70-130
	169 1,4-Dichlorobenzen	50.000	53.620	107.24	70-130
	170 alpha-Chlorotoluen	50.000	51.814	103.63	70-130
	171 1,2-Dichlorobenzen	50.000	53.084	106.17	70-130
	174 1,2,4-Trichloroben	50.000	50.818	101.64	70-130
	175 Hexachlorobutadien	50.000	51.459	102.92	70-130
	162 Propylbenzene	50.000	55.089	110.18	60-140
	156 Cumene	50.000	51.993	103.99	60-140
	41 3-Chloropropene	50.000	48.519	97.04	60-140
	87 2,2,4-Trimethylpen	50.000	50.001	100.00	60-140
	25 Isopentane	50.000	51.100	102.20	70-130
	13 Butane	50.000	54.428	108.86	70-130
	104 Methyl Cyclohexane	50.000	50.282	100.56	70-130
	46 tert-Butyl-Alcohol	5.000	4.607	92.14	60-140
	176 Naphthalene	5.000	3.540	70.79	60-140
	58 Isopropyl ether	5.000	5.174	103.47	60-140
	68 t-Butylethyl Ether	5.000	4.953	99.06	60-140
	92 tert-amyl-Methyl E	5.000	4.882	97.64	60-140

	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$	89 1,2-Dichloroethane	25.000	24.803	99.21	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 115 Toluene-d8	25.000	25.452	101.81	70-130
$ 159 Bromofluorobenzene	25.000	26.628	106.51	70-130

Data File: /chem/msd3.i/20may10.b/3052010.d

Date : 20-MAY-2010 14:30

Client ID: LCS

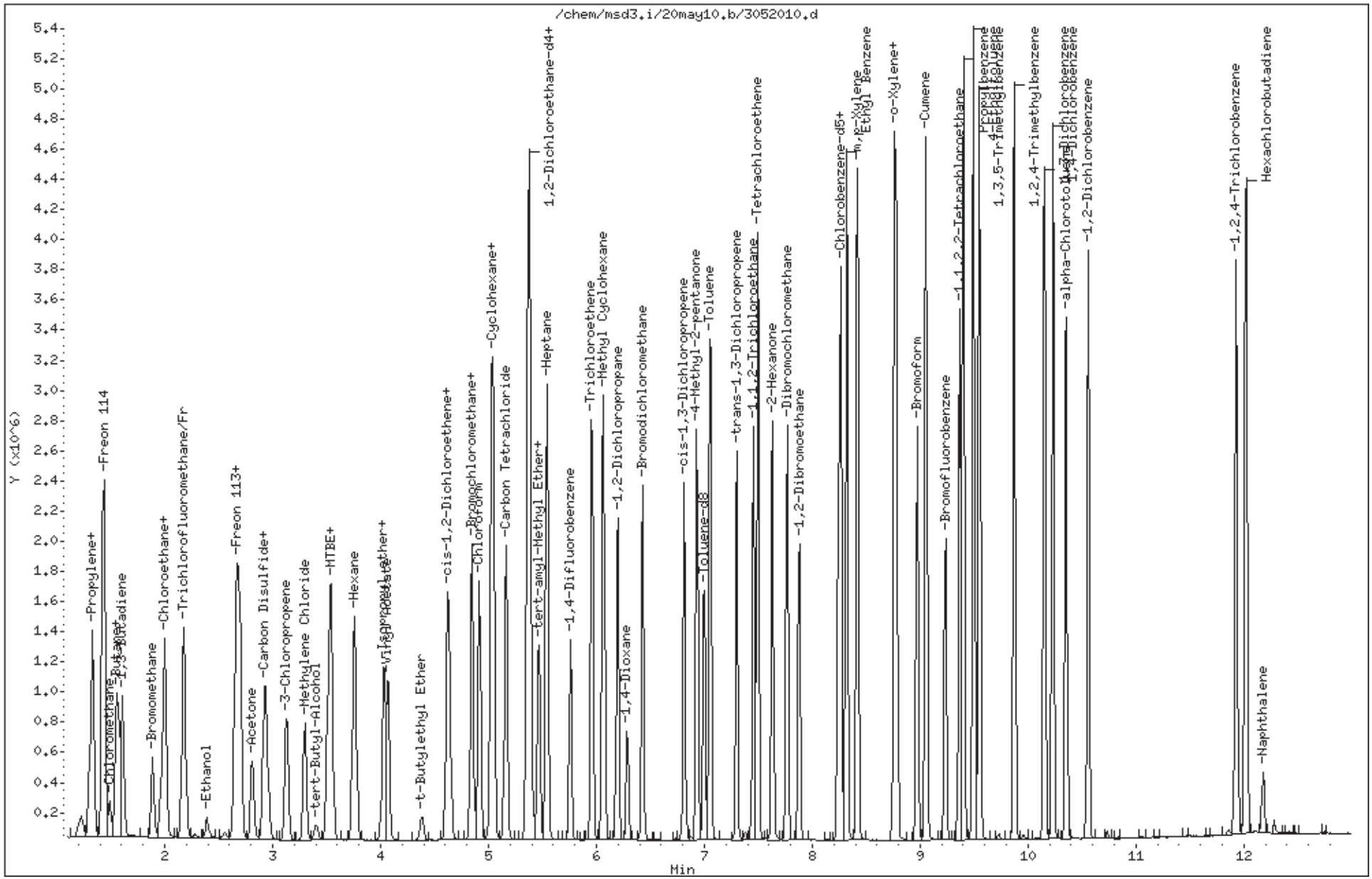
Sample Info: 50mL #1936-114

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052002.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 20-MAY-2010 11:15
Operator : acb Inst ID: msd3.i
Smp Info : 30ml #1936-194
Misc Info : 0.3ppbv(2.0ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:00 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 11:15 Cal File: 3052002.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
==	====== ========	====	========	=======	=======	==========	=====
* 76 Bromochloromethane					CAS #: 74-97-5		
4.831	4.831 (1.000)	130	264439	25.0000		50.00- 150.00	100.00
4.831	4.831 (1.000)	128	204037			27.42- 127.42	77.16
4.831	4.831 (1.000)	49	353675			83.61- 183.61	133.75
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.741	5.741 (1.000)	114	1008284	25.0000		50.00- 150.00	100.00
5.741	5.741 (1.000)	88	160461			0.00- 65.98	15.91
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.219	8.219 (1.000)	117	822701	25.0000		50.00- 150.00	100.00
8.219	8.219 (1.000)	82	473070			6.53- 106.53	57.50
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.375	5.375 (1.113)	65	354977	25.0000	24.556	50.00- 150.00	100.00
5.382	5.382 (1.114)	67	183994			4.50- 104.50	51.83
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.980	6.980 (1.216)	98	941944	25.0000	24.296	50.00- 150.00	100.00
6.980	6.980 (1.216)	70	111155			0.00- 61.75	11.80

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.980	6.980 (1.216)	100	640448			17.60- 117.60	67.99
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.215	9.215 (1.121)	174	429073	25.0000	25.276	50.00- 150.00	100.00
9.215	9.215 (1.121)	95	612492			89.64- 189.64	142.75
9.215	9.215 (1.121)	176	414590			47.24- 147.24	96.62
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.852	9.852 (1.199)	120	7433	0.30000	0.3425	50.00- 150.00	100.00(a)
9.852	9.852 (1.199)	105	15053			155.55- 255.55	202.52
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.530	9.530 (1.159)	120	7059	0.30000	0.3108	50.00- 150.00	100.00(a)
9.530	9.530 (1.159)	105	14018			144.32- 244.32	198.58

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: msd3.i
Lab File ID: 3052002.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 0.3ppbv(2.0ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	264439	2.15
97 1,4-Difluorobenze	984625	590775	1378475	1008284	2.40
144 Chlorobenzene-d5	859874	515924	1203824	822701	-4.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.83	-0.44
97 1,4-Difluorobenze	5.76	5.43	6.09	5.74	-0.37
144 Chlorobenzene-d5	8.23	7.90	8.56	8.22	-0.09

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/msd3.i/20may10.b/3052002.d

Date : 20-MAY-2010 11:15

Client ID: Level 1

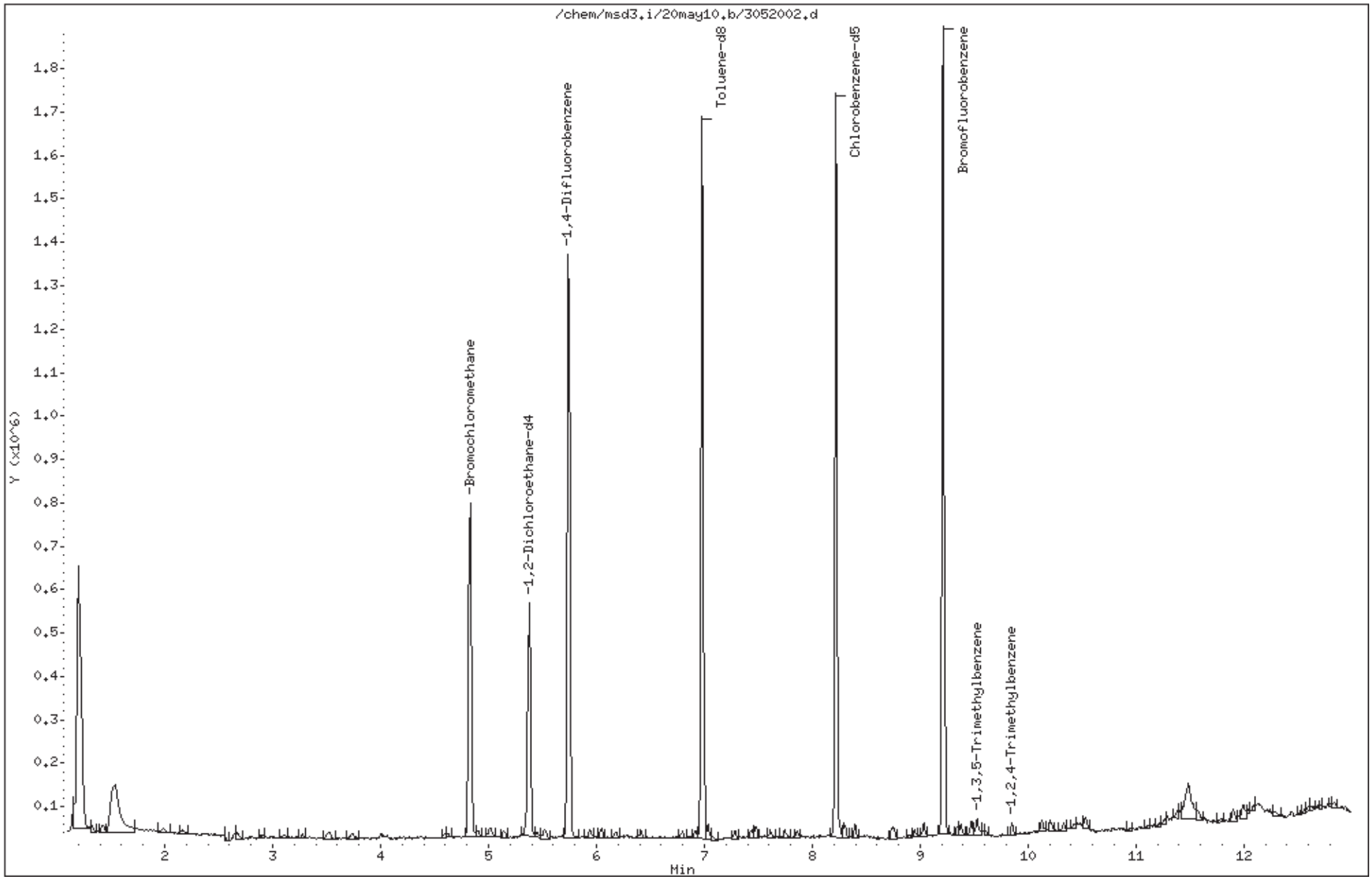
Sample Info: 30ml #1936-194

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052003.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 20-MAY-2010 11:38
Operator : acb Inst ID: msd3.i
Smp Info : 50ml #1936-194
Misc Info : 0.5ppbv(2.0ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:01 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 11:38 Cal File: 3052003.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10low.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
==	====== ========	====	========	=======	=======	==========	=====
* 76 Bromochloromethane					CAS #: 74-97-5		
4.845	4.845 (1.000)	130	256513	25.0000		50.00- 150.00	100.00
4.852	4.852 (1.000)	128	200292			27.42- 127.42	78.08
4.845	4.845 (1.000)	49	348593			83.61- 183.61	135.90
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	1001721	25.0000		50.00- 150.00	100.00
5.762	5.762 (1.000)	88	162950			0.00- 65.98	16.27
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.226	8.226 (1.000)	117	858635	25.0000		50.00- 150.00	100.00
8.226	8.226 (1.000)	82	485367			6.53- 106.53	56.53
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.114)	65	349924	25.0000	24.954	50.00- 150.00	100.00
5.397	5.397 (1.114)	67	182304			4.50- 104.50	52.10
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.994	6.994 (1.214)	98	959383	25.0000	24.908	50.00- 150.00	100.00
6.994	6.994 (1.214)	70	114095			0.00- 61.75	11.89

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.994	6.994 (1.214)	100	645483			17.60- 117.60	67.28
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.215	9.215 (1.120)	174	449332	25.0000	25.362	50.00- 150.00	100.00
9.215	9.215 (1.120)	95	629696			89.64- 189.64	140.14
9.215	9.215 (1.120)	176	438898			47.24- 147.24	97.68
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.325	1.325 (0.273)	85	12499	0.50000	0.4857	50.00- 150.00	100.00(a)
1.325	1.325 (0.273)	87	4543			0.00- 83.41	36.35
10 Freon 114					CAS #: 76-14-2		
1.437	1.437 (0.297)	135	11046	0.50000	0.5365	50.00- 150.00	100.00
1.437	1.437 (0.297)	137	3169			0.00- 80.96	28.69
14 Vinyl Chloride					CAS #: 75-01-4		
1.577	1.577 (0.325)	62	4639	0.50000	0.6071	50.00- 150.00	100.00
1.591	1.591 (0.328)	64	6665			15.14- 115.14	143.67
15 1,3-Butadiene					CAS #: 106-99-0		
1.605	1.605 (0.331)	54	5106	0.50000	0.6387	50.00- 150.00	100.00
1.605	1.605 (0.331)	39	9868			90.84- 190.84	193.26
21 Bromomethane					CAS #: 74-83-9		
1.884	1.884 (0.389)	94	6002	0.50000	0.6423	50.00- 150.00	100.00
1.884	1.884 (0.389)	96	6025			43.90- 143.90	100.38
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.406)	64	3163	0.50000	0.5240	50.00- 150.00	100.00(M)
1.968	1.968 (0.406)	66	2383			0.00- 93.70	75.34
1.968	1.968 (0.406)	49	1146			0.00- 76.90	36.23
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.181	2.181 (0.450)	101	15476	0.50000	0.5441	50.00- 150.00	100.00
2.173	2.173 (0.449)	103	10981			16.55- 116.55	70.96
30 Freon 113					CAS #: 76-13-1		
2.661	2.661 (0.549)	151	9948	0.50000	0.5205	50.00- 150.00	100.00
2.661	2.661 (0.549)	153	6824			15.43- 115.43	68.60
2.682	2.682 (0.554)	101	11523			69.75- 169.75	115.83
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.696	2.696 (0.556)	96	6474	0.50000	0.5883	50.00- 150.00	100.00
2.704	2.704 (0.558)	98	4117			13.20- 113.20	63.59
2.696	2.696 (0.556)	61	8279			99.87- 199.87	127.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 Carbon Disulfide					CAS #: 75-15-0		
2.918	2.918 (0.602)	76	15783	0.50000	0.5453	50.00- 150.00	100.00
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.298 (0.681)	49	6057	0.50000	0.5287	50.00- 150.00	100.00
3.291	3.291 (0.679)	84	5178			31.26- 131.26	85.49
3.298	3.298 (0.681)	51	1171			0.00- 77.41	19.33
47 MTBE					CAS #: 1634-04-4		
3.520	3.520 (0.726)	73	15460	0.50000	0.5560	50.00- 150.00	100.00
3.513	3.513 (0.725)	57	1354			0.00- 69.12	8.76
3.527	3.527 (0.728)	41	4792			0.00- 75.07	31.00
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.542	3.542 (0.731)	98	4093	0.50000	0.5498	50.00- 150.00	100.00
3.549	3.549 (0.732)	61	8548			164.10- 264.10	208.84
3.549	3.549 (0.732)	96	5806			101.37- 201.37	141.85
51 Hexane					CAS #: 110-54-3		
3.757	3.757 (0.775)	57	10516	0.50000	0.5838	50.00- 150.00	100.00
3.757	3.757 (0.775)	43	8973			21.92- 121.92	85.33
3.757	3.757 (0.775)	86	1683			0.00- 67.85	16.00
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.036	4.036 (0.833)	63	11992	0.50000	0.5560	50.00- 150.00	100.00
4.036	4.036 (0.833)	65	4327			0.00- 83.14	36.08
74 2-Butanone					CAS #: 78-93-3		
4.645	4.645 (0.959)	72	3855	0.50000	0.5949	50.00- 150.00	100.00
4.645	4.645 (0.959)	43	14955			367.56- 467.56	387.94
4.645	4.645 (0.959)	57	1419			0.00- 82.79	36.81
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.623	4.623 (0.954)	98	4365	0.50000	0.5376	50.00- 150.00	100.00
4.616	4.616 (0.953)	96	7038			107.55- 207.55	161.24
4.616	4.616 (0.953)	61	9108			156.36- 256.36	208.66
75 Tetrahydrofuran					CAS #: 109-99-9		
4.852	4.852 (1.001)	42	9047	0.50000	0.5776	50.00- 150.00	100.00
4.852	4.852 (1.001)	71	3029			0.00- 85.80	33.48
4.867	4.867 (1.004)	72	3538			0.00- 88.64	39.11
78 Chloroform					CAS #: 67-66-3		
4.910	4.910 (1.013)	83	14324	0.50000	0.5692	50.00- 150.00	100.00
4.917	4.917 (1.015)	85	9111			15.06- 115.06	63.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.046	5.046 (1.041)	97	13943	0.50000	0.5524	50.00- 150.00	100.00
5.046	5.046 (1.041)	99	8213			13.25- 113.25	58.90
80 Cyclohexane					CAS #: 110-82-7		
5.024	5.024 (1.037)	84	9789	0.50000	0.5698	50.00- 150.00	100.00
5.032	5.032 (1.038)	56	11898			68.88- 168.88	121.54
5.017	5.017 (1.035)	41	5995			19.20- 119.20	61.24
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.160	5.160 (1.065)	119	12409	0.50000	0.5080	50.00- 150.00	100.00
5.160	5.160 (1.065)	117	13343			53.76- 153.76	107.53
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.361	5.361 (1.106)	57	33655	0.50000	0.5826	50.00- 150.00	100.00
5.354	5.354 (1.105)	56	11782			0.00- 83.61	35.01
5.361	5.361 (1.106)	41	11205			0.00- 79.33	33.29
88 Benzene					CAS #: 71-43-2		
5.383	5.383 (0.934)	78	20141	0.50000	0.5375	50.00- 150.00	100.00
5.375	5.375 (0.933)	77	5868			0.00- 75.55	29.13
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.468	5.468 (0.949)	62	9088	0.50000	0.5198	50.00- 150.00	100.00
5.461	5.461 (0.948)	64	3666			0.00- 85.38	40.34
94 Heptane					CAS #: 142-82-5		
5.540	5.540 (0.961)	71	7387	0.50000	0.5134	50.00- 150.00	100.00
5.547	5.547 (0.963)	43	14220			135.53- 235.53	192.50
5.540	5.540 (0.961)	57	7604			43.71- 143.71	102.94
102 Trichloroethene					CAS #: 79-01-6		
5.956	5.956 (1.034)	95	9119	0.50000	0.5329	50.00- 150.00	100.00
5.956	5.956 (1.034)	130	8724			51.01- 151.01	95.67
5.956	5.956 (1.034)	97	5879			13.80- 113.80	64.47
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.063	6.063 (1.251)	83	12597	0.50000	0.5582	50.00- 150.00	100.00
6.063	6.063 (1.251)	98	6441			0.00- 99.68	51.13
6.063	6.063 (1.251)	55	10312			32.47- 132.47	81.86
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.199	6.199 (1.076)	63	7776	0.50000	0.5280	50.00- 150.00	100.00
6.199	6.199 (1.076)	62	5164			19.24- 119.24	66.41
6.192	6.192 (1.075)	41	5385			12.92- 112.92	69.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 Bromodichloromethane					CAS #: 75-27-4		
6.421	6.421 (1.114)	83	13547	0.50000	0.5034	50.00- 150.00	100.00
6.428	6.428 (1.116)	85	8103			12.93- 112.93	59.81
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.815	6.815 (1.183)	75	11023	0.50000	0.5067	50.00- 150.00	100.00
6.815	6.815 (1.183)	77	3341			0.00- 81.34	30.31
6.815	6.815 (1.183)	39	6692			8.05- 108.05	60.71
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.930	6.930 (1.203)	58	6512	0.50000	0.5207	50.00- 150.00	100.00
6.930	6.930 (1.203)	43	18428			229.51- 329.51	282.99
6.937	6.937 (1.204)	85	2841			0.00- 93.30	43.63
116 Toluene					CAS #: 108-88-3		
7.052	7.052 (1.224)	91	22745	0.50000	0.5147	50.00- 150.00	100.00
7.052	7.052 (1.224)	92	14235			10.70- 110.70	62.59
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.295	7.295 (0.887)	75	10445	0.50000	0.4797	50.00- 150.00	100.00(a)
7.302	7.302 (0.888)	77	3934			0.00- 83.24	37.66
7.295	7.295 (0.887)	39	6892			6.35- 106.35	65.98
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.453	7.453 (0.906)	97	8408	0.50000	0.5477	50.00- 150.00	100.00
7.445	7.445 (0.905)	99	5052			12.19- 112.19	60.09
7.445	7.445 (0.905)	83	7194			36.80- 136.80	85.56
131 Tetrachloroethene					CAS #: 127-18-4		
7.488	7.488 (0.910)	166	9654	0.50000	0.4865	50.00- 150.00	100.00(a)
7.488	7.488 (0.910)	129	8175			28.43- 128.43	84.68
7.488	7.488 (0.910)	131	7438			22.73- 122.73	77.05
135 2-Hexanone					CAS #: 591-78-6		
7.625	7.625 (0.927)	58	8304	0.50000	0.4958	50.00- 150.00	100.00(a)
7.625	7.625 (0.927)	43	16164			146.42- 246.42	194.65
7.632	7.632 (0.928)	100	1807			0.00- 70.46	21.76
138 Dibromochloromethane					CAS #: 124-48-1		
7.761	7.761 (0.943)	129	11463	0.50000	0.4715	50.00- 150.00	100.00(a)
7.761	7.761 (0.943)	127	9121			27.89- 127.89	79.57
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.868	7.868 (0.956)	107	11000	0.50000	0.4838	50.00- 150.00	100.00(a)
7.868	7.868 (0.956)	109	10577			45.62- 145.62	96.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
145 Chlorobenzene					CAS #: 108-90-7		
8.255	8.255 (1.003)	112	16950	0.50000	0.5010	50.00- 150.00	100.00
8.255	8.255 (1.003)	114	5572			0.00- 82.41	32.87
8.248	8.248 (1.003)	77	19005			24.50- 124.50	112.12
147 Ethyl Benzene					CAS #: 100-41-4		
8.305	8.305 (1.010)	106	9310	0.50000	0.5242	50.00- 150.00	100.00
8.312	8.312 (1.010)	91	27597			251.61- 351.61	296.42
150 m,p-Xylene					CAS #: 108-38-3		
8.405	8.405 (1.022)	106	10718	0.50000	0.4934	50.00- 150.00	100.00(a)
8.405	8.405 (1.022)	91	22916			149.86- 249.86	213.81
153 o-Xylene					CAS #: 95-47-6		
8.742	8.742 (1.063)	106	8719	0.50000	0.4402	50.00- 150.00	100.00(a)
8.742	8.742 (1.063)	91	18345			156.72- 256.72	210.40
154 Styrene					CAS #: 100-42-5		
8.763	8.763 (1.065)	104	14920	0.50000	0.4599	50.00- 150.00	100.00(a)
8.763	8.763 (1.065)	78	8225			1.81- 101.81	55.13
155 Bromoform					CAS #: 75-25-2		
8.957	8.957 (1.089)	173	8776	0.50000	0.4247	50.00- 150.00	100.00(a)
8.957	8.957 (1.089)	171	4671			2.29- 102.29	53.22
156 Cumene					CAS #: 98-82-8		
9.036	9.036 (1.098)	105	29237	0.50000	0.5198	50.00- 150.00	100.00
9.036	9.036 (1.098)	120	8562			0.00- 78.64	29.28
9.036	9.036 (1.098)	51	4256			0.00- 61.80	14.56
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.351	9.351 (1.137)	83	14101	0.50000	0.4824	50.00- 150.00	100.00(a)
9.344	9.344 (1.136)	85	9069			13.83- 113.83	64.31
162 Propylbenzene					CAS #: 103-65-1		
9.380	9.380 (1.140)	91	31540	0.50000	0.4959	50.00- 150.00	100.00(a)
9.380	9.380 (1.140)	120	7561			0.00- 73.89	23.97
9.387	9.387 (1.141)	105	1398			0.00- 53.91	4.43
163 4-Ethyltoluene					CAS #: 622-96-8		
9.480	9.480 (1.152)	120	8997	0.50000	0.4914	50.00- 150.00	100.00(a)
9.480	9.480 (1.152)	105	25257			256.99- 356.99	280.73
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.530	9.530 (1.158)	120	10190	0.50000	0.4299	50.00- 150.00	100.00(a)
9.530	9.530 (1.158)	105	21180			144.32- 244.32	207.85

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.852	9.852 (1.198)	120	10607	0.50000	0.4683	50.00- 150.00	100.00(a)
9.852	9.852 (1.198)	105	21102			155.55- 255.55	198.94
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.132	10.132 (1.232)	146	19000	0.50000	0.5887	50.00- 150.00	100.00
10.132	10.132 (1.232)	148	10767			12.73- 112.73	56.67
10.124	10.124 (1.231)	111	6641			0.00- 89.88	34.95
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.210	10.210 (1.241)	146	15289	0.50000	0.4854	50.00- 150.00	100.00(a)
10.210	10.210 (1.241)	148	10324			14.44- 114.44	67.53
10.210	10.210 (1.241)	111	6265			0.00- 90.72	40.98
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.332	10.332 (1.256)	91	20099	0.50000	0.4538	50.00- 150.00	100.00(a)
10.332	10.332 (1.256)	126	4308			0.00- 71.50	21.43
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.533	10.533 (1.280)	146	14071	0.50000	0.4886	50.00- 150.00	100.00(a)
10.533	10.533 (1.280)	148	9024			14.10- 114.10	64.13
10.533	10.533 (1.280)	111	7195			0.00- 95.19	51.13

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: msd3.i
Lab File ID: 3052003.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 0.5ppbv(2.0ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	256513	-0.92
97 1,4-Difluorobenze	984625	590775	1378475	1001721	1.74
144 Chlorobenzene-d5	859874	515924	1203824	858635	-0.14

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	-0.15
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.23	7.90	8.56	8.23	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/msd3.i/20may10.b/3052003.d

Date : 20-MAY-2010 11:38

Client ID: Level 2

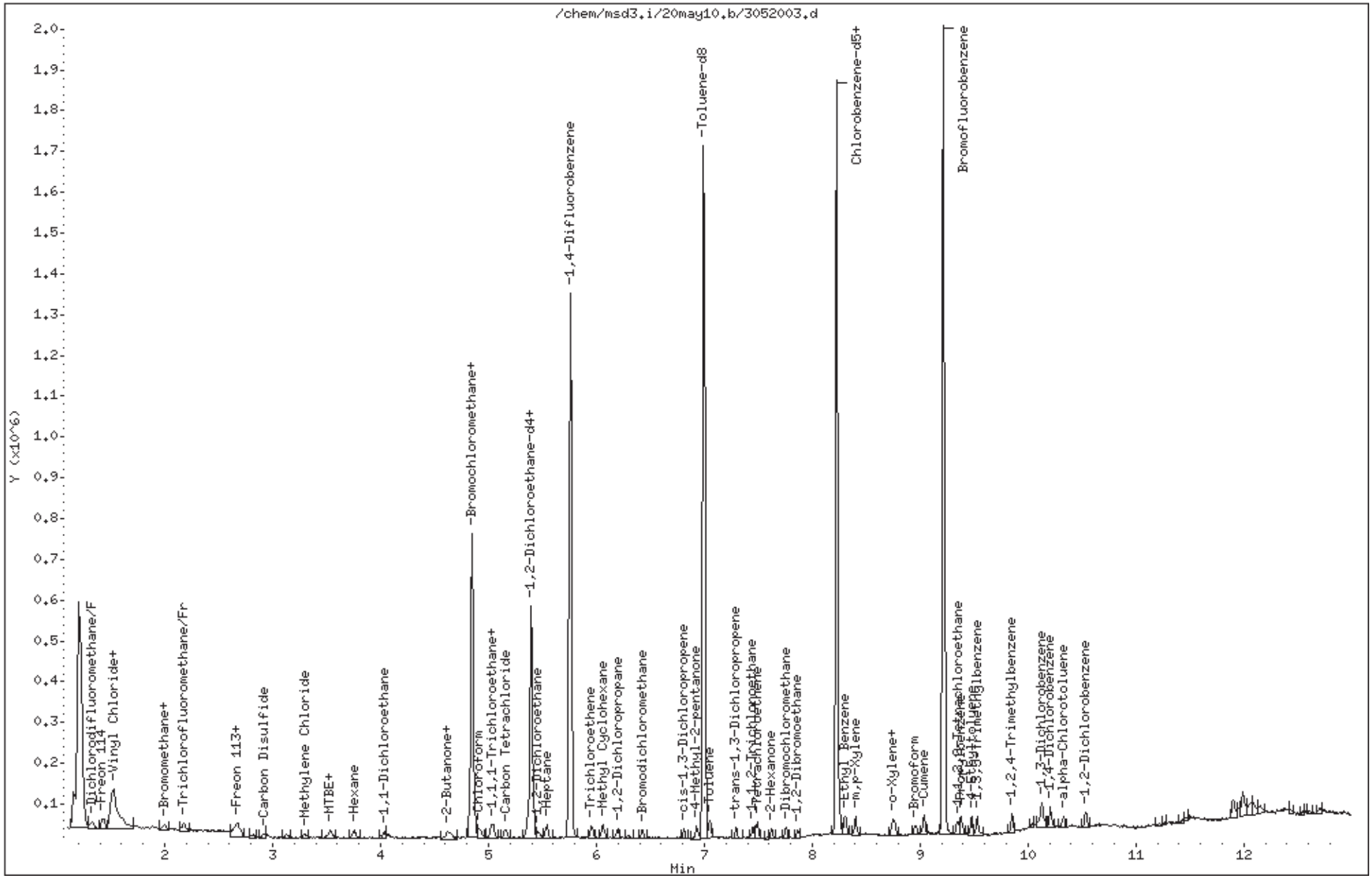
Sample Info: 50ml #1936-194

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/21may10.b/3052102.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 21-MAY-2010 15:40
Operator : smd Inst ID: msd3.i
Smp Info : 200mL #1 936-121
Misc Info : 2.0ppbv(2.0ppbv)
Comment :
Method : /chem/msd3.i/21may10.b/310q0520a.m
Meth Date : 21-May-2010 17:16 sdisher Quant Type: ISTD
Cal Date : 21-MAY-2010 15:40 Cal File: 3052102.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spAER.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.852 (1.000)	130	325478	25.0000		50.00- 150.00	100.00
4.845	4.845 (1.000)	128	252978			28.10- 128.10	77.73
4.845	4.845 (1.000)	49	413854			81.21- 181.21	127.15
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	1210343	25.0000		50.00- 150.00	100.00
5.762	5.762 (1.000)	88	192376			0.00- 66.01	15.89
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	1046315	25.0000		50.00- 150.00	100.00
8.240	8.240 (1.000)	82	579489			6.08- 106.08	55.38
17 Freon 143a					CAS #: 420-46-2		
1.241	1.241 (0.256)	65	5514	2.00000	1.500	50.00- 150.00	100.00(a)
1.241	1.241 (0.256)	69	17228			262.44- 362.44	312.44
1.213	1.213 (0.250)	64	13174			47.07- 147.07	238.92
4 Freon 134a					CAS #: 811-97-2		
1.283	1.283 (0.264)	83	14958	2.00000	1.667	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 134a (continued)							
1.269	1.269 (0.261)	69	19118			95.12- 195.12	127.81
1.283	1.283 (0.264)	63	2313			0.00- 64.27	15.46
5 Freon 152a					CAS #: 75-37-6		
1.325	1.325 (0.273)	65	9859	2.00000	1.780	50.00- 150.00	100.00(a)
1.353	1.353 (0.279)	51	44325			327.13- 427.13	449.59
1.325	1.325 (0.273)	47	4735			0.00- 96.90	48.03
9 Freon 22					CAS #: 75-45-6		
1.367	1.367 (0.282)	67	5052	2.00000	1.945	50.00- 150.00	100.00(a)
1.353	1.353 (0.279)	51	44325			782.59- 882.59	877.38
1.353	1.353 (0.279)	85	2496			0.00- 81.04	49.41
16 Freon142b					CAS #: 75-68-3		
1.465	1.465 (0.302)	65	36561	2.00000	1.777	50.00- 150.00	100.00(a)
1.465	1.465 (0.302)	45	11028			0.00- 77.12	30.16
45 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
2.166	2.166 (0.446)	67	46570	2.00000	1.752	50.00- 150.00	100.00(a)
2.159	2.159 (0.445)	69	16263			0.00- 83.83	34.92
2.159	2.159 (0.445)	35	737			0.00- 51.12	1.58
53 Freon123a					CAS #: 354-23-4		
2.510	2.510 (0.517)	117	35179	2.00000	1.732	50.00- 150.00	100.00(a)
2.510	2.510 (0.517)	67	46087			79.00- 179.00	131.01
54 Freon123					CAS #: 306-83-2		
2.589	2.589 (0.534)	83	51232	2.00000	1.750	50.00- 150.00	100.00(a)
2.589	2.589 (0.534)	133	11443			0.00- 71.56	22.34
2.582	2.582 (0.532)	85	33953			17.30- 117.30	66.27
62 Cyclopentene					CAS #: 142-29-0		
3.147	3.147 (0.649)	67	42048	2.00000	1.733	50.00- 150.00	100.00(a)
3.155	3.155 (0.650)	68	18822			0.00- 92.01	44.76
3.140	3.140 (0.647)	53	9409			0.00- 70.53	22.38
63 1-Propanol					CAS #: 71-23-8		
4.157	4.157 (0.857)	59	5997	2.00000	2.007	50.00- 150.00	100.00
4.157	4.157 (0.857)	42	5268			41.42- 141.42	87.84
4.157	4.157 (0.857)	41	2895			3.24- 103.24	48.27
83 2,2-Dichloropropane					CAS #: 594-20-7		
4.587	4.587 (0.945)	77	43745	2.00000	1.776	50.00- 150.00	100.00(a)
4.580	4.580 (0.944)	79	13958			0.00- 81.94	31.91
4.580	4.580 (0.944)	97	10197			0.00- 71.79	23.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
90 Isobutanol					CAS #: 78-83-1		
5.339	5.339 (1.100)	41	19748	2.00000	1.877	50.00- 150.00	100.00(a)
5.347	5.347 (1.102)	43	26332			85.37- 185.37	133.34
5.347	5.347 (1.102)	59	805			0.00- 54.25	4.08
91 1,1-Dichloropropene					CAS #: 563-58-6		
5.189	5.189 (0.901)	110	15028	2.00000	1.721	50.00- 150.00	100.00(a)
5.196	5.196 (0.902)	75	43385			223.61- 323.61	288.69
96 1-Butanol					CAS #: 71-36-3		
5.934	5.934 (1.030)	56	23355	2.00000	1.824	50.00- 150.00	100.00(a)
5.927	5.927 (1.029)	41	18762			27.33- 127.33	80.33
5.934	5.934 (1.030)	43	15852			13.08- 113.08	67.87
108 1,3-Dichloropropane					CAS #: 142-28-9		
7.603	7.603 (1.319)	76	46565	2.00000	1.714	50.00- 150.00	100.00(a)
7.603	7.603 (1.319)	41	34870			22.47- 122.47	74.88
7.603	7.603 (1.319)	78	15968			0.00- 83.17	34.29
110 Butyl Acetate					CAS #: 123-86-4		
7.703	7.703 (1.337)	56	43583	2.00000	1.999	50.00- 150.00	100.00(a)
7.696	7.696 (1.336)	73	16379			0.00- 88.79	37.58
7.696	7.696 (1.336)	43	97711			188.65- 288.65	224.20
126 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
8.334	8.334 (1.011)	131	34638	2.00000	1.695	50.00- 150.00	100.00(a)
8.334	8.334 (1.011)	117	27771			26.07- 126.07	80.17
8.334	8.334 (1.011)	95	13914			0.00- 88.41	40.17
113 2-Heptanone					CAS #: 110-43-0		
8.864	8.864 (1.827)	58	47699	2.00000	1.602	50.00- 150.00	100.00(a)
8.864	8.864 (1.827)	43	79264			114.09- 214.09	166.18
117 Cyclohexanone					CAS #: 108-94-1		
9.207	9.207 (1.117)	55	37376	2.00000	1.864	50.00- 150.00	100.00(a)
9.207	9.207 (1.117)	98	15542			0.00- 93.53	41.58
9.207	9.207 (1.117)	42	27028			23.06- 123.06	72.31
118 Bromobenzene					CAS #: 108-86-1		
9.365	9.365 (1.136)	156	34900	2.00000	1.586	50.00- 150.00	100.00(a)
9.365	9.365 (1.136)	158	33370			46.95- 146.95	95.62
9.365	9.365 (1.136)	77	61168			120.11- 220.11	175.27
120 1,2,3-Trichloropropane					CAS #: 96-18-4		
9.415	9.415 (1.143)	110	16604	2.00000	1.600	50.00- 150.00	100.00(a)
9.422	9.422 (1.143)	75	43800			215.99- 315.99	263.79

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
120 1,2,3-Trichloropropane (continued)							
9.415	9.415 (1.143)	61	11642			20.13- 120.13	70.12
121 2-Chlorotoluene					CAS #: 95-49-8		
9.508	9.508 (1.154)	126	27934	2.00000	1.599	50.00- 150.00	100.00(a)
9.508	9.508 (1.154)	91	83301			240.86- 340.86	298.21
9.508	9.508 (1.154)	65	9347			0.00- 79.68	33.46
122 4-Chlorotoluene					CAS #: 106-43-4		
9.609	9.609 (1.166)	126	27166	2.00000	1.522	50.00- 150.00	100.00(a)
9.609	9.609 (1.166)	91	77845			233.55- 333.55	286.55
9.609	9.609 (1.166)	63	10646			0.00- 86.82	39.19
124 Diisobutyl Ketone					CAS #: 108-83-8		
9.652	9.652 (1.171)	57	73264	2.00000	1.596	50.00- 150.00	100.00(a)
9.652	9.652 (1.171)	85	62715			36.63- 136.63	85.60
125 tert-Butylbenzene					CAS #: 98-06-6		
9.816	9.816 (1.191)	119	87667	2.00000	1.618	50.00- 150.00	100.00(a)
9.823	9.823 (1.192)	134	20952			0.00- 75.31	23.90
9.816	9.816 (1.191)	91	55934			14.28- 114.28	63.80
127 Pentachloroethane					CAS #: 76-01-7		
9.881	9.881 (1.199)	167	21967	2.00000	1.402	50.00- 150.00	100.00(a)
9.881	9.881 (1.199)	117	24886			58.24- 158.24	113.29
9.881	9.881 (1.199)	169	9898			0.00- 97.17	45.06
129 sec-Butylbenzene					CAS #: 135-98-8		
10.010	10.010 (1.215)	134	25818	2.00000	1.504	50.00- 150.00	100.00(a)
10.002	10.002 (1.214)	105	124134			418.46- 518.46	480.80
10.010	10.010 (1.215)	91	23395			30.52- 130.52	90.62
132 p-Cymene					CAS #: 99-87-6		
10.124	10.124 (1.229)	119	139714	2.00000	1.987	50.00- 150.00	100.00(a)
10.117	10.117 (1.228)	134	25372			0.00- 73.22	18.16
10.117	10.117 (1.228)	91	33150			0.00- 73.01	23.73
133 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
10.239	10.239 (1.243)	120	43006	2.00000	1.594	50.00- 150.00	100.00(a)
10.239	10.239 (1.243)	105	90523			163.65- 263.65	210.49
10.239	10.239 (1.243)	77	18335			0.00- 84.74	42.63
136 Butylbenzene					CAS #: 104-51-8		
10.475	10.475 (1.271)	134	23518	2.00000	1.346	50.00- 150.00	100.00(a)
10.468	10.468 (1.270)	91	101199			345.14- 445.14	430.30
10.475	10.475 (1.271)	92	51567			161.10- 261.10	219.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
141 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
11.242	11.242 (1.364)	157	19507	2.00000	1.097	50.00- 150.00	100.00(a)
11.235	11.235 (1.363)	75	19693			45.16- 145.16	100.95
11.235	11.235 (1.363)	155	16096			29.79- 129.79	82.51

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: msd3.i
Lab File ID: 3052102.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd3.i/21may10.b/310q0520a.m
Misc Info: 2.0ppbv(2.0ppbv)

Calibration Date: 21-MAY-2010
Calibration Time: 16:20
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	299578	179747	419409	325478	8.65
97 1,4-Difluorobenze	1131467	678880	1584054	1210343	6.97
144 Chlorobenzene-d5	975911	585547	1366275	1046315	7.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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/msd3.i/21may10.b/3052102.d

Date : 21-MAY-2010 15:40

Client ID: Level 3

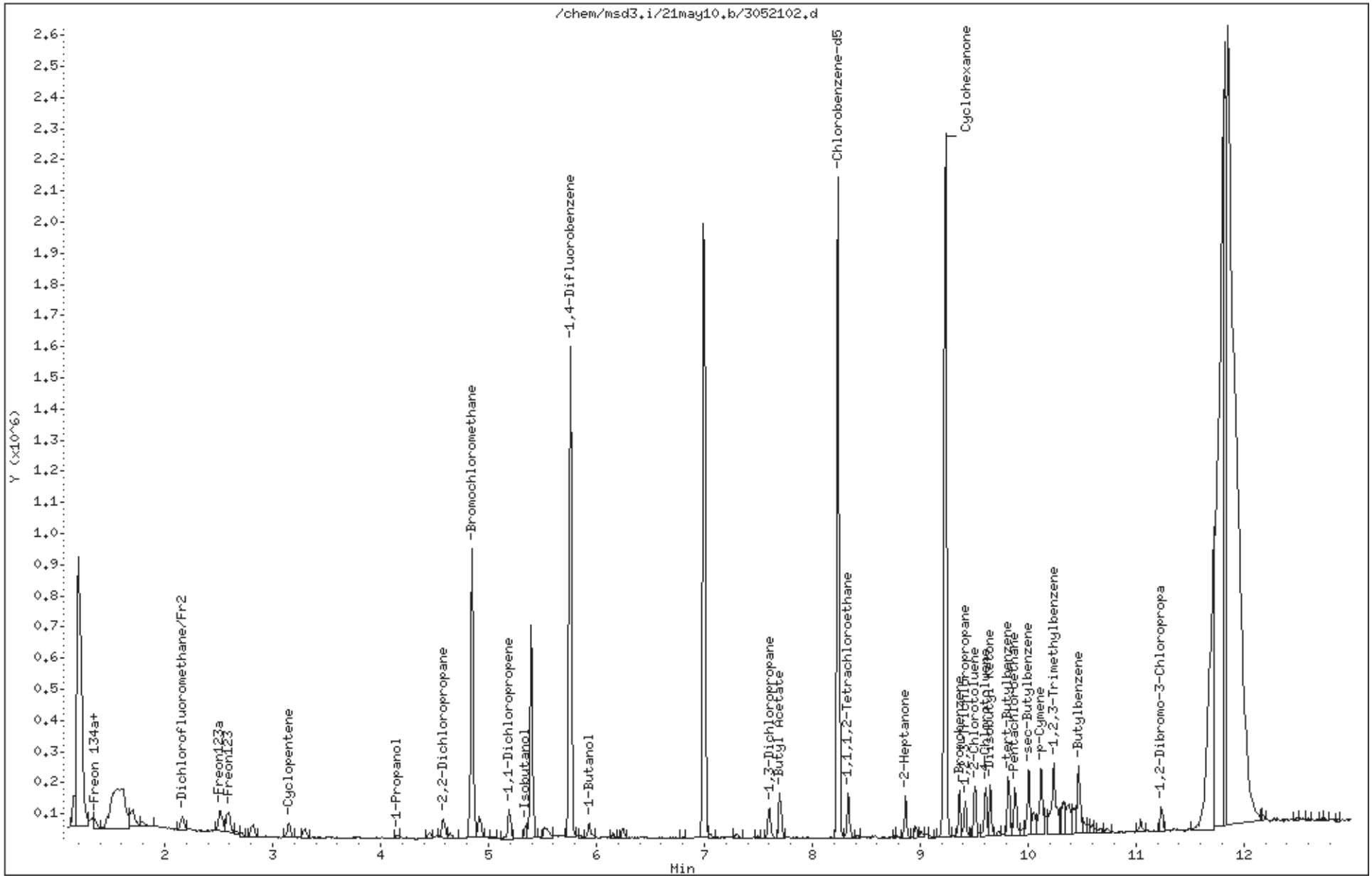
Sample Info: 200mL #1 936-121

Column phase: RTx-624

Instrument: msd3.i

Operator: smd

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052004.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 20-MAY-2010 12:02
Operator : acb Inst ID: msd3.i
Smp Info : 200ml #1936-194
Misc Info : 2.0ppbv(2.0ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:01 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 12:02 Cal File: 3052004.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10ICAL.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
==	====== ========	====	========	=======	=======	==========	=====
* 76 Bromochloromethane						CAS #: 74-97-5	
4.852	4.852 (1.000)	130	264681	25.0000		50.00- 150.00	100.00
4.852	4.852 (1.000)	128	203547			27.42- 127.42	76.90
4.852	4.852 (1.000)	49	357429			83.61- 183.61	135.04
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
5.762	5.762 (1.000)	114	1002012	25.0000		50.00- 150.00	100.00
5.762	5.762 (1.000)	88	159481			0.00- 65.98	15.92
* 144 Chlorobenzene-d5						CAS #: 3114-55-4	
8.241	8.241 (1.000)	117	839897	25.0000		50.00- 150.00	100.00
8.241	8.241 (1.000)	82	474597			6.53- 106.53	56.51
$ 89 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
5.397	5.397 (1.112)	65	349015	25.0000	24.121	50.00- 150.00	100.00
5.397	5.397 (1.112)	67	182573			4.50- 104.50	52.31
$ 115 Toluene-d8						CAS #: 2037-26-5	
7.001	7.001 (1.215)	98	947993	25.0000	24.606	50.00- 150.00	100.00
7.001	7.001 (1.215)	70	112105			0.00- 61.75	11.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
7.001	7.001 (1.215)	100	642755			17.60- 117.60	67.80
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.236	9.236 (1.121)	174	418535	25.0000	24.151	50.00- 150.00	100.00
9.236	9.236 (1.121)	95	590583			89.64- 189.64	141.11
9.236	9.236 (1.121)	176	409999			47.24- 147.24	97.96
6 Propylene					CAS #: 115-07-1		
1.311	1.311 (0.270)	41	18192	2.00000	2.299	50.00- 150.00	100.00
1.311	1.311 (0.270)	42	11201			15.60- 115.60	61.57
1.311	1.311 (0.270)	39	12952			25.25- 125.25	71.20
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.339	1.339 (0.276)	85	58431	2.00000	2.201	50.00- 150.00	100.00
1.339	1.339 (0.276)	87	18589			0.00- 83.41	31.81
10 Freon 114					CAS #: 76-14-2		
1.437	1.437 (0.296)	135	44550	2.00000	2.097	50.00- 150.00	100.00
1.437	1.437 (0.296)	137	13576			0.00- 80.96	30.47
11 Chloromethane					CAS #: 74-87-3		
1.493	1.493 (0.308)	50	11887	2.00000	2.468	50.00- 150.00	100.00
1.493	1.493 (0.308)	52	6843			0.00- 91.50	57.57
13 Butane					CAS #: 106-97-8		
1.549	1.549 (0.319)	58	8045	2.00000	4.277	50.00- 150.00	100.00
1.563	1.563 (0.322)	43	51266			660.92- 760.92	637.24
14 Vinyl Chloride					CAS #: 75-01-4		
1.591	1.591 (0.328)	62	20855	2.00000	2.645	50.00- 150.00	100.00
1.591	1.591 (0.328)	64	10449			15.14- 115.14	50.10
15 1,3-Butadiene					CAS #: 106-99-0		
1.605	1.605 (0.331)	54	17780	2.00000	2.155	50.00- 150.00	100.00
1.605	1.605 (0.331)	39	24638			90.84- 190.84	138.57
21 Bromomethane					CAS #: 74-83-9		
1.884	1.884 (0.388)	94	19985	2.00000	2.073	50.00- 150.00	100.00
1.884	1.884 (0.388)	96	17883			43.90- 143.90	89.48
24 Chloroethane					CAS #: 75-00-3		
1.982	1.982 (0.409)	64	17021	2.00000	2.732	50.00- 150.00	100.00
1.968	1.968 (0.406)	66	5363			0.00- 93.70	31.51
1.968	1.968 (0.406)	49	3160			0.00- 76.90	18.57

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
25 Isopentane					CAS #: 78-78-4		
1.996	1.996 (0.411)	43	30490	2.00000	2.098	50.00- 150.00	100.00
1.996	1.996 (0.411)	57	19879			18.87- 118.87	65.20
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.173	2.173 (0.448)	101	60369	2.00000	2.057	50.00- 150.00	100.00
2.173	2.173 (0.448)	103	38804			16.55- 116.55	64.28
29 Ethanol					CAS #: 64-17-5		
2.410	2.410 (0.497)	45	6915	2.00000	1.867	50.00- 150.00	100.00(aM)
2.388	2.388 (0.492)	43	1106			0.00- 69.59	15.99
2.395	2.395 (0.494)	46	1480			0.00- 84.28	21.40
30 Freon 113					CAS #: 76-13-1		
2.668	2.668 (0.550)	151	40728	2.00000	2.065	50.00- 150.00	100.00
2.675	2.675 (0.551)	153	26303			15.43- 115.43	64.58
2.668	2.668 (0.550)	101	49312			69.75- 169.75	121.08
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.704	2.704 (0.557)	96	24526	2.00000	2.160	50.00- 150.00	100.00
2.704	2.704 (0.557)	98	15225			13.20- 113.20	62.08
2.704	2.704 (0.557)	61	35565			99.87- 199.87	145.01
34 Acetone					CAS #: 67-64-1		
2.818	2.818 (0.581)	58	11887	2.00000	2.363	50.00- 150.00	100.00
2.818	2.818 (0.581)	43	39855			293.64- 393.64	335.28
35 Carbon Disulfide					CAS #: 75-15-0		
2.926	2.926 (0.603)	76	64329	2.00000	2.154	50.00- 150.00	100.00
37 2-Propanol					CAS #: 67-63-0		
2.954	2.954 (0.609)	45	38563	2.00000	2.011	50.00- 150.00	100.00
2.961	2.961 (0.610)	43	5829			0.00- 67.90	15.12
2.961	2.961 (0.610)	59	1402			0.00- 53.71	3.64
41 3-Chloropropene					CAS #: 107-05-1		
3.133	3.133 (0.646)	76	11485	2.00000	2.233	50.00- 150.00	100.00
3.133	3.133 (0.646)	41	28855			229.24- 329.24	251.24
43 Methylene Chloride					CAS #: 75-09-2		
3.305	3.305 (0.681)	49	25398	2.00000	2.148	50.00- 150.00	100.00
3.298	3.298 (0.680)	84	20989			31.26- 131.26	82.64
3.305	3.305 (0.681)	51	7467			0.00- 77.41	29.40
46 tert-Butyl-Alcohol					CAS #: 75-65-0		
3.391	3.391 (0.699)	57	959	0.20000	0.2764	50.00- 150.00	100.00(aH)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
46 tert-Butyl-Alcohol (continued)							
3.391	3.391 (0.699)	41	977			51.88- 151.88	101.88
3.398	3.398 (0.700)	59	3116			274.92- 374.92	324.92
47 MTBE					CAS #: 1634-04-4		
3.527	3.527 (0.727)	73	53235	2.00000	1.856	50.00- 150.00	100.00(a)
3.520	3.520 (0.725)	57	12708			0.00- 69.12	23.87
3.527	3.527 (0.727)	41	13257			0.00- 75.07	24.90
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.549	3.549 (0.731)	98	16455	2.00000	2.142	50.00- 150.00	100.00
3.549	3.549 (0.731)	61	33495			164.10- 264.10	203.56
3.549	3.549 (0.731)	96	24246			101.37- 201.37	147.35
51 Hexane					CAS #: 110-54-3		
3.756	3.756 (0.774)	57	36016	2.00000	1.938	50.00- 150.00	100.00(a)
3.756	3.756 (0.774)	43	24521			21.92- 121.92	68.08
3.749	3.749 (0.773)	86	7015			0.00- 67.85	19.48
58 Isopropyl ether					CAS #: 108-20-3		
4.029	4.029 (0.830)	45	12071	0.20000	0.2266	50.00- 150.00	100.00(a)
4.029	4.029 (0.830)	87	3708			0.00- 81.96	30.72
4.036	4.036 (0.832)	59	1666			0.00- 62.44	13.80
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.036	4.036 (0.832)	63	44899	2.00000	2.017	50.00- 150.00	100.00
4.036	4.036 (0.832)	65	14439			0.00- 83.14	32.16
61 Vinyl Acetate					CAS #: 108-05-4		
4.072	4.072 (0.839)	86	5960	2.00000	1.890	50.00- 150.00	100.00(a)
4.072	4.072 (0.839)	43	69133			1064.02-1164.02	1159.95
68 t-Butylethyl Ether					CAS #: 637-92-3		
4.387	4.387 (0.904)	59	6527	0.20000	0.2080	50.00- 150.00	100.00(a)
4.387	4.387 (0.904)	87	3036			0.00- 92.97	46.51
4.380	4.380 (0.903)	41	1076			0.00- 68.29	16.49
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.616	4.616 (0.951)	98	17217	2.00000	2.055	50.00- 150.00	100.00
4.616	4.616 (0.951)	96	26989			107.55- 207.55	156.76
4.616	4.616 (0.951)	61	35511			156.36- 256.36	206.26
74 2-Butanone					CAS #: 78-93-3		
4.645	4.645 (0.957)	72	12557	2.00000	1.878	50.00- 150.00	100.00(a)
4.645	4.645 (0.957)	43	55347			367.56- 467.56	440.77
4.652	4.652 (0.959)	57	4035			0.00- 82.79	32.13

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
75 Tetrahydrofuran					CAS #: 109-99-9		
4.852	4.852 (1.000)	42	32044	2.00000	1.983	50.00- 150.00	100.00(a)
4.860	4.860 (1.001)	71	11402			0.00- 85.80	35.58
4.852	4.852 (1.000)	72	11367			0.00- 88.64	35.47
78 Chloroform					CAS #: 67-66-3		
4.917	4.917 (1.013)	83	50472	2.00000	1.944	50.00- 150.00	100.00(a)
4.917	4.917 (1.013)	85	33531			15.06- 115.06	66.43
80 Cyclohexane					CAS #: 110-82-7		
5.031	5.031 (1.037)	84	34932	2.00000	1.970	50.00- 150.00	100.00(a)
5.031	5.031 (1.037)	56	41930			68.88- 168.88	120.03
5.031	5.031 (1.037)	41	26753			19.20- 119.20	76.59
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.046	5.046 (1.040)	97	49919	2.00000	1.917	50.00- 150.00	100.00(a)
5.046	5.046 (1.040)	99	32771			13.25- 113.25	65.65
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.160	5.160 (1.063)	119	49322	2.00000	1.957	50.00- 150.00	100.00(a)
5.168	5.168 (1.065)	117	49498			53.76- 153.76	100.36
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.368	5.368 (1.106)	57	124896	2.00000	2.095	50.00- 150.00	100.00
5.368	5.368 (1.106)	56	40983			0.00- 83.61	32.81
5.368	5.368 (1.106)	41	35676			0.00- 79.33	28.56
88 Benzene					CAS #: 71-43-2		
5.382	5.382 (0.934)	78	74399	2.00000	1.985	50.00- 150.00	100.00(a)
5.382	5.382 (0.934)	77	19352			0.00- 75.55	26.01
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
5.454	5.454 (1.124)	73	6279	0.20000	0.2207	50.00- 150.00	100.00(a)
5.461	5.461 (1.125)	87	1516			0.00- 73.97	24.14
5.454	5.454 (1.124)	55	1819			0.00- 77.76	28.97
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.468	5.468 (0.949)	62	33786	2.00000	1.932	50.00- 150.00	100.00(a)
5.468	5.468 (0.949)	64	12035			0.00- 85.38	35.62
94 Heptane					CAS #: 142-82-5		
5.547	5.547 (0.963)	71	28914	2.00000	2.009	50.00- 150.00	100.00
5.540	5.540 (0.961)	43	54284			135.53- 235.53	187.74
5.547	5.547 (0.963)	57	26057			43.71- 143.71	90.12
102 Trichloroethene					CAS #: 79-01-6		
5.956	5.956 (1.034)	95	33965	2.00000	1.984	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
102 Trichloroethene (continued)							
5.963	5.963 (1.035)	130	33101			51.01- 151.01	97.46
5.956	5.956 (1.034)	97	20582			13.80- 113.80	60.60
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.063	6.063 (1.249)	83	45897	2.00000	1.971	50.00- 150.00	100.00(a)
6.070	6.070 (1.251)	98	22935			0.00- 99.68	49.97
6.070	6.070 (1.251)	55	39027			32.47- 132.47	85.03
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.199	6.199 (1.076)	63	29486	2.00000	2.002	50.00- 150.00	100.00
6.199	6.199 (1.076)	62	20509			19.24- 119.24	69.56
6.199	6.199 (1.076)	41	17879			12.92- 112.92	60.64
107 1,4-Dioxane					CAS #: 123-91-1		
6.292	6.292 (1.092)	88	16962	2.00000	1.862	50.00- 150.00	100.00(a)
6.292	6.292 (1.092)	58	12737			22.93- 122.93	75.09
6.292	6.292 (1.092)	57	4278			0.00- 73.56	25.22
109 Bromodichloromethane					CAS #: 75-27-4		
6.428	6.428 (1.116)	83	50634	2.00000	1.881	50.00- 150.00	100.00(a)
6.428	6.428 (1.116)	85	32092			12.93- 112.93	63.38
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.815	6.815 (1.183)	75	41080	2.00000	1.888	50.00- 150.00	100.00(a)
6.815	6.815 (1.183)	77	12893			0.00- 81.34	31.39
6.815	6.815 (1.183)	39	24170			8.05- 108.05	58.84
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.930	6.930 (1.203)	58	23311	2.00000	1.864	50.00- 150.00	100.00(a)
6.930	6.930 (1.203)	43	66927			229.51- 329.51	287.10
6.930	6.930 (1.203)	85	10557			0.00- 93.30	45.29
116 Toluene					CAS #: 108-88-3		
7.059	7.059 (1.225)	91	88333	2.00000	1.998	50.00- 150.00	100.00(a)
7.059	7.059 (1.225)	92	53297			10.70- 110.70	60.34
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.302	7.302 (0.886)	75	43089	2.00000	2.023	50.00- 150.00	100.00
7.302	7.302 (0.886)	77	13344			0.00- 83.24	30.97
7.302	7.302 (0.886)	39	22573			6.35- 106.35	52.39
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.453	7.453 (0.904)	97	30260	2.00000	2.015	50.00- 150.00	100.00
7.453	7.453 (0.904)	99	19054			12.19- 112.19	62.97
7.453	7.453 (0.904)	83	26425			36.80- 136.80	87.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 Tetrachloroethene					CAS #: 127-18-4		
7.496	7.496 (0.910)	166	38948	2.00000	2.006	50.00- 150.00	100.00
7.496	7.496 (0.910)	129	29796			28.43- 128.43	76.50
7.496	7.496 (0.910)	131	26970			22.73- 122.73	69.25
135 2-Hexanone					CAS #: 591-78-6		
7.632	7.632 (0.926)	58	32864	2.00000	2.006	50.00- 150.00	100.00
7.632	7.632 (0.926)	43	64541			146.42- 246.42	196.39
7.632	7.632 (0.926)	100	6130			0.00- 70.46	18.65
138 Dibromochloromethane					CAS #: 124-48-1		
7.768	7.768 (0.943)	129	43531	2.00000	1.831	50.00- 150.00	100.00(a)
7.768	7.768 (0.943)	127	33852			27.89- 127.89	77.77
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.882	7.882 (0.957)	107	44730	2.00000	2.011	50.00- 150.00	100.00
7.882	7.882 (0.957)	109	43073			45.62- 145.62	96.30
145 Chlorobenzene					CAS #: 108-90-7		
8.262	8.262 (1.003)	112	66455	2.00000	2.008	50.00- 150.00	100.00
8.269	8.269 (1.003)	114	21419			0.00- 82.41	32.23
8.262	8.262 (1.003)	77	45884			24.50- 124.50	69.05
147 Ethyl Benzene					CAS #: 100-41-4		
8.319	8.319 (1.010)	106	33797	2.00000	1.945	50.00- 150.00	100.00(a)
8.319	8.319 (1.010)	91	103234			251.61- 351.61	305.45
150 m,p-Xylene					CAS #: 108-38-3		
8.420	8.420 (1.022)	106	41109	2.00000	1.935	50.00- 150.00	100.00(a)
8.420	8.420 (1.022)	91	81061			149.86- 249.86	197.19
153 o-Xylene					CAS #: 95-47-6		
8.763	8.763 (1.063)	106	37438	2.00000	1.932	50.00- 150.00	100.00(a)
8.763	8.763 (1.063)	91	78308			156.72- 256.72	209.17
154 Styrene					CAS #: 100-42-5		
8.785	8.785 (1.066)	104	59377	2.00000	1.871	50.00- 150.00	100.00(a)
8.785	8.785 (1.066)	78	31379			1.81- 101.81	52.85
155 Bromoform					CAS #: 75-25-2		
8.971	8.971 (1.089)	173	33884	2.00000	1.676	50.00- 150.00	100.00(a)
8.971	8.971 (1.089)	171	17648			2.29- 102.29	52.08
156 Cumene					CAS #: 98-82-8		
9.050	9.050 (1.098)	105	108508	2.00000	1.972	50.00- 150.00	100.00(a)
9.050	9.050 (1.098)	120	29756			0.00- 78.64	27.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 Cumene (continued)							
9.050	9.050 (1.098)	51	13192			0.00- 61.80	12.16
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.365	9.365 (1.136)	83	52649	2.00000	1.841	50.00- 150.00	100.00(a)
9.365	9.365 (1.136)	85	31685			13.83- 113.83	60.18
162 Propylbenzene					CAS #: 103-65-1		
9.401	9.401 (1.141)	91	114369	2.00000	1.838	50.00- 150.00	100.00(a)
9.401	9.401 (1.141)	120	25517			0.00- 73.89	22.31
9.401	9.401 (1.141)	105	4041			0.00- 53.91	3.53
163 4-Ethyltoluene					CAS #: 622-96-8		
9.501	9.501 (1.153)	120	32369	2.00000	1.807	50.00- 150.00	100.00(a)
9.494	9.494 (1.152)	105	103772			256.99- 356.99	320.59
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.551	9.551 (1.159)	120	44577	2.00000	1.922	50.00- 150.00	100.00(a)
9.551	9.551 (1.159)	105	85114			144.32- 244.32	190.94
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.874	9.874 (1.198)	120	40436	2.00000	1.825	50.00- 150.00	100.00(a)
9.874	9.874 (1.198)	105	89614			155.55- 255.55	221.62
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.153	10.153 (1.232)	146	57078	2.00000	1.808	50.00- 150.00	100.00(a)
10.153	10.153 (1.232)	148	37303			12.73- 112.73	65.35
10.153	10.153 (1.232)	111	23968			0.00- 89.88	41.99
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.232	10.232 (1.242)	146	61951	2.00000	2.011	50.00- 150.00	100.00
10.232	10.232 (1.242)	148	37226			14.44- 114.44	60.09
10.232	10.232 (1.242)	111	25423			0.00- 90.72	41.04
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.346	10.346 (1.256)	91	82014	2.00000	1.893	50.00- 150.00	100.00(a)
10.354	10.354 (1.256)	126	16436			0.00- 71.50	20.04
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.561	10.561 (1.282)	146	56204	2.00000	1.995	50.00- 150.00	100.00(a)
10.561	10.561 (1.282)	148	35057			14.10- 114.10	62.37
10.554	10.554 (1.281)	111	24347			0.00- 95.19	43.32
174 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
11.929	11.929 (1.448)	180	41511	2.00000	1.857	50.00- 150.00	100.00(a)
11.929	11.929 (1.448)	182	40126			45.63- 145.63	96.66

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
175 Hexachlorobutadiene					CAS #: 87-68-3		
12.023	12.023 (1.459)	225	23361	2.00000	1.637	50.00- 150.00	100.00(a)
12.023	12.023 (1.459)	223	16290			17.96- 117.96	69.73
176 Naphthalene					CAS #: 91-20-3		
12.180	12.180 (1.478)	128	14693	0.20000	0.1478	50.00- 150.00	100.00(a)
12.180	12.180 (1.478)	127	1844			0.00- 62.45	12.55

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052004.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 2.0ppbv(2.0ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	264681	2.24
97 1,4-Difluorobenze	984625	590775	1378475	1002012	1.77
144 Chlorobenzene-d5	859874	515924	1203824	839897	-2.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.23	7.90	8.56	8.24	0.17

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/msd3.i/20may10.b/3052004.d

Date : 20-MAY-2010 12:02

Client ID: Level 3

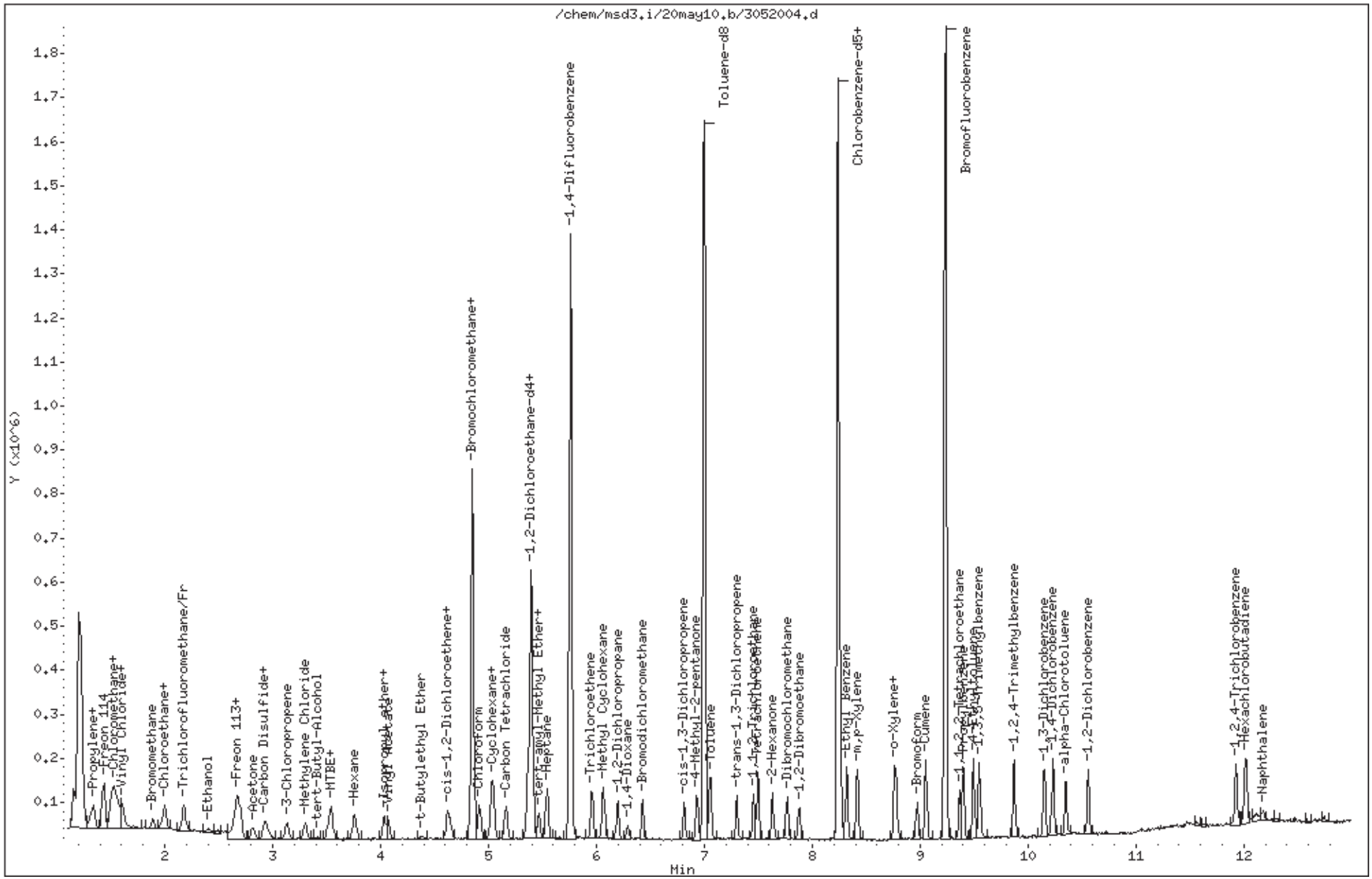
Sample Info: 200ml #1936-194

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052005.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 20-MAY-2010 12:32
Operator : acb Inst ID: msd3.i
Smp Info : 25ml #1936-182
Misc Info : 25ppbv(200ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:01 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 12:32 Cal File: 3052005.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.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
==	====== ========	====	========	=======	=======	==========	=====
* 76 Bromochloromethane					CAS #: 74-97-5		
4.831	4.831 (1.000)	130	256698	25.0000		50.00- 150.00	100.00
4.831	4.831 (1.000)	128	202834			27.68- 127.68	79.02
4.831	4.831 (1.000)	49	342043			83.55- 183.55	133.25
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.740	5.740 (1.000)	114	986011	25.0000		50.00- 150.00	100.00
5.740	5.740 (1.000)	88	157545			0.00- 65.98	15.98
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.219	8.219 (1.000)	117	864384	25.0000		50.00- 150.00	100.00
8.219	8.219 (1.000)	82	478309			6.33- 106.33	55.34
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.375	5.375 (1.113)	65	350623	25.0000	24.988	50.00- 150.00	100.00
5.375	5.375 (1.113)	67	191873			4.53- 104.53	54.72
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.980	6.980 (1.216)	98	960877	25.0000	25.295	50.00- 150.00	100.00
6.980	6.980 (1.216)	70	113746			0.00- 61.77	11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.980	6.980 (1.216)	100	646261			17.54- 117.54	67.26
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.214	9.214 (1.121)	174	432983	25.0000	24.377	50.00- 150.00	100.00
9.214	9.214 (1.121)	95	608728			89.80- 189.80	140.59
9.214	9.214 (1.121)	176	422708			47.30- 147.30	97.63
6 Propylene					CAS #: 115-07-1		
1.297	1.297 (0.268)	41	200632	25.0000	25.904	50.00- 150.00	100.00
1.297	1.297 (0.268)	42	137189			16.29- 116.29	68.38
1.297	1.297 (0.268)	39	154354			25.67- 125.67	76.93
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.324	1.324 (0.274)	85	724297	25.0000	27.553	50.00- 150.00	100.00
1.324	1.324 (0.274)	87	232925			0.00- 83.16	32.16
10 Freon 114					CAS #: 76-14-2		
1.422	1.422 (0.294)	135	582769	25.0000	27.680	50.00- 150.00	100.00
1.422	1.422 (0.294)	137	187216			0.00- 81.19	32.13
11 Chloromethane					CAS #: 74-87-3		
1.478	1.478 (0.306)	50	128742	25.0000	27.008	50.00- 150.00	100.00
1.478	1.478 (0.306)	52	44819			0.00- 89.83	34.81
13 Butane					CAS #: 106-97-8		
1.548	1.548 (0.321)	58	31898	25.0000	18.605	50.00- 150.00	100.00
1.548	1.548 (0.321)	43	239669			671.03- 771.03	751.36
14 Vinyl Chloride					CAS #: 75-01-4		
1.562	1.562 (0.323)	62	136934	25.0000	18.797	50.00- 150.00	100.00
1.562	1.562 (0.323)	64	48264			9.16- 109.16	35.25
15 1,3-Butadiene					CAS #: 106-99-0		
1.604	1.604 (0.332)	54	175885	25.0000	22.437	50.00- 150.00	100.00
1.604	1.604 (0.332)	39	205517			86.04- 186.04	116.85
21 Bromomethane					CAS #: 74-83-9		
1.870	1.870 (0.387)	94	238115	25.0000	25.384	50.00- 150.00	100.00
1.870	1.870 (0.387)	96	223042			43.85- 143.85	93.67
24 Chloroethane					CAS #: 75-00-3		
1.954	1.954 (0.405)	64	136835	25.0000	23.011	50.00- 150.00	100.00
1.954	1.954 (0.405)	66	44539			0.00- 91.47	32.55
1.954	1.954 (0.405)	49	36971			0.00- 76.92	27.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
25 Isopentane					CAS #: 78-78-4		
1.996	1.996 (0.413)	43	404354	25.0000	27.871	50.00- 150.00	100.00
1.996	1.996 (0.413)	57	253402			17.32- 117.32	62.67
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.166	2.166 (0.448)	101	777753	25.0000	26.909	50.00- 150.00	100.00
2.166	2.166 (0.448)	103	500639			16.11- 116.11	64.37
29 Ethanol					CAS #: 64-17-5		
2.381	2.381 (0.493)	45	98896	25.0000	26.987	50.00- 150.00	100.00
2.381	2.381 (0.493)	43	22298			0.00- 70.33	22.55
2.381	2.381 (0.493)	46	39216			0.00- 85.62	39.65
30 Freon 113					CAS #: 76-13-1		
2.653	2.653 (0.549)	151	500614	25.0000	25.972	50.00- 150.00	100.00
2.660	2.660 (0.551)	153	323667			15.27- 115.27	64.65
2.653	2.653 (0.549)	101	606807			70.04- 170.04	121.21
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.682	2.682 (0.555)	96	281540	25.0000	25.470	50.00- 150.00	100.00
2.682	2.682 (0.555)	98	181012			13.42- 113.42	64.29
2.682	2.682 (0.555)	61	458660			102.48- 202.48	162.91
34 Acetone					CAS #: 67-64-1		
2.796	2.796 (0.579)	58	125524	25.0000	25.577	50.00- 150.00	100.00
2.796	2.796 (0.579)	43	438123			294.99- 394.99	349.04
35 Carbon Disulfide					CAS #: 75-15-0		
2.904	2.904 (0.601)	76	765729	25.0000	26.184	50.00- 150.00	100.00
37 2-Propanol					CAS #: 67-63-0		
2.932	2.932 (0.607)	45	500917	25.0000	26.526	50.00- 150.00	100.00
2.932	2.932 (0.607)	43	102356			0.00- 68.53	20.43
2.932	2.932 (0.607)	59	18544			0.00- 53.71	3.70
41 3-Chloropropene					CAS #: 107-05-1		
3.112	3.112 (0.644)	76	129896	25.0000	25.826	50.00- 150.00	100.00
3.112	3.112 (0.644)	41	384486			233.43- 333.43	296.00
43 Methylene Chloride					CAS #: 75-09-2		
3.276	3.276 (0.678)	49	308992	25.0000	26.606	50.00- 150.00	100.00
3.276	3.276 (0.678)	84	240098			30.55- 130.55	77.70
3.276	3.276 (0.678)	51	93826			0.00- 78.00	30.37
46 tert-Butyl-Alcohol					CAS #: 75-65-0		
3.391	3.391 (0.702)	57	8643	2.50000	2.554	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 tert-Butyl-Alcohol (continued)							
3.384	3.384 (0.700)	41	18084			51.88- 151.88	209.23
3.391	3.391 (0.702)	59	76716			274.92- 374.92	887.61
47 MTBE					CAS #: 1634-04-4		
3.506	3.506 (0.726)	73	745582	25.0000	26.480	50.00- 150.00	100.00
3.506	3.506 (0.726)	57	164034			0.00- 69.69	22.00
3.506	3.506 (0.726)	41	160441			0.00- 74.36	21.52
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.527	3.527 (0.730)	98	195121	25.0000	25.986	50.00- 150.00	100.00
3.527	3.527 (0.730)	61	435201			165.89- 265.89	223.04
3.527	3.527 (0.730)	96	308786			102.74- 202.74	158.25
51 Hexane					CAS #: 110-54-3		
3.735	3.735 (0.773)	57	485344	25.0000	26.585	50.00- 150.00	100.00
3.735	3.735 (0.773)	43	322946			20.84- 120.84	66.54
3.735	3.735 (0.773)	86	86560			0.00- 67.84	17.83
58 Isopropyl ether					CAS #: 108-20-3		
4.007	4.007 (0.829)	45	136622	2.50000	2.614	50.00- 150.00	100.00
4.007	4.007 (0.829)	87	44318			0.00- 82.08	32.44
4.007	4.007 (0.829)	59	16004			0.00- 62.26	11.71
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.014	4.014 (0.831)	63	579049	25.0000	26.505	50.00- 150.00	100.00
4.014	4.014 (0.831)	65	186995			0.00- 82.97	32.29
61 Vinyl Acetate					CAS #: 108-05-4		
4.050	4.050 (0.838)	86	85247	25.0000	27.254	50.00- 150.00	100.00
4.050	4.050 (0.838)	43	895112			1048.02-1148.02	1050.02
68 t-Butylethyl Ether					CAS #: 637-92-3		
4.365	4.365 (0.904)	59	102399	2.50000	3.147	50.00- 150.00	100.00
4.358	4.358 (0.902)	87	42058			0.00- 92.49	41.07
4.365	4.365 (0.904)	41	20385			0.00- 68.70	19.91
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.594	4.594 (0.951)	98	215688	25.0000	26.276	50.00- 150.00	100.00
4.594	4.594 (0.951)	96	333961			107.00- 207.00	154.84
4.594	4.594 (0.951)	61	449446			156.77- 256.77	208.38
74 2-Butanone					CAS #: 78-93-3		
4.623	4.623 (0.957)	72	175554	25.0000	26.704	50.00- 150.00	100.00
4.623	4.623 (0.957)	43	731488			367.38- 467.38	416.67
4.623	4.623 (0.957)	57	54780			0.00- 82.47	31.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 Tetrahydrofuran					CAS #: 109-99-9		
4.824	4.824 (0.998)	42	419208	25.0000	26.439	50.00- 150.00	100.00
4.824	4.824 (0.998)	71	153459			0.00- 85.96	36.61
4.831	4.831 (1.000)	72	167678			0.00- 88.91	40.00
78 Chloroform					CAS #: 67-66-3		
4.895	4.895 (1.013)	83	677795	25.0000	26.575	50.00- 150.00	100.00
4.895	4.895 (1.013)	85	443530			15.14- 115.14	65.44
80 Cyclohexane					CAS #: 110-82-7		
5.010	5.010 (1.037)	84	453338	25.0000	26.129	50.00- 150.00	100.00
5.010	5.010 (1.037)	56	535330			68.72- 168.72	118.09
5.010	5.010 (1.037)	41	314759			19.25- 119.25	69.43
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.024	5.024 (1.040)	97	671887	25.0000	26.321	50.00- 150.00	100.00
5.024	5.024 (1.040)	99	432142			13.46- 113.46	64.32
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.146	5.146 (1.065)	119	674724	25.0000	27.131	50.00- 150.00	100.00
5.139	5.139 (1.064)	117	698954			53.73- 153.73	103.59
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.346	5.346 (1.107)	57	1556397	25.0000	26.582	50.00- 150.00	100.00
5.339	5.339 (1.105)	56	503658			0.00- 83.36	32.36
5.339	5.339 (1.105)	41	431013			0.00- 79.00	27.69
88 Benzene					CAS #: 71-43-2		
5.361	5.361 (0.934)	78	1031119	25.0000	27.414	50.00- 150.00	100.00
5.361	5.361 (0.934)	77	240740			0.00- 75.11	23.35
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
5.432	5.432 (1.125)	73	103076	2.50000	3.400	50.00- 150.00	100.00
5.432	5.432 (1.125)	87	24116			0.00- 73.83	23.40
5.432	5.432 (1.125)	55	24797			0.00- 76.83	24.06
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.447	5.447 (0.949)	62	474271	25.0000	27.096	50.00- 150.00	100.00
5.447	5.447 (0.949)	64	153833			0.00- 84.79	32.44
94 Heptane					CAS #: 142-82-5		
5.525	5.525 (0.963)	71	388210	25.0000	26.979	50.00- 150.00	100.00
5.525	5.525 (0.963)	43	712713			135.14- 235.14	183.59
5.525	5.525 (0.963)	57	345405			42.76- 142.76	88.97
102 Trichloroethene					CAS #: 79-01-6		
5.941	5.941 (1.035)	95	448612	25.0000	26.347	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
102 Trichloroethene (continued)							
5.941	5.941 (1.035)	130	474136			51.95- 151.95	105.69
5.941	5.941 (1.035)	97	287753			13.87- 113.87	64.14
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.041	6.041 (1.251)	83	611510	25.0000	26.708	50.00- 150.00	100.00
6.048	6.048 (1.252)	98	293848			0.00- 99.36	48.05
6.041	6.041 (1.251)	55	499473			32.31- 132.31	81.68
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.177	6.177 (1.076)	63	396650	25.0000	26.938	50.00- 150.00	100.00
6.177	6.177 (1.076)	62	279784			19.50- 119.50	70.54
6.177	6.177 (1.076)	41	243303			12.61- 112.61	61.34
107 1,4-Dioxane					CAS #: 123-91-1		
6.270	6.270 (1.092)	88	245113	25.0000	26.845	50.00- 150.00	100.00
6.270	6.270 (1.092)	58	172322			22.28- 122.28	70.30
6.270	6.270 (1.092)	57	55701			0.00- 73.35	22.72
109 Bromodichloromethane					CAS #: 75-27-4		
6.414	6.414 (1.117)	83	741387	25.0000	27.440	50.00- 150.00	100.00
6.414	6.414 (1.117)	85	475835			13.18- 113.18	64.18
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.793	6.793 (1.183)	75	593189	25.0000	27.212	50.00- 150.00	100.00
6.793	6.793 (1.183)	77	185669			0.00- 81.33	31.30
6.793	6.793 (1.183)	39	335290			7.75- 107.75	56.52
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.915	6.915 (1.205)	58	328745	25.0000	26.406	50.00- 150.00	100.00
6.915	6.915 (1.205)	43	925680			229.92- 329.92	281.58
6.915	6.915 (1.205)	85	136981			0.00- 92.97	41.67
116 Toluene					CAS #: 108-88-3		
7.037	7.037 (1.226)	91	1199120	25.0000	27.103	50.00- 150.00	100.00
7.037	7.037 (1.226)	92	710553			10.41- 110.41	59.26
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.280	7.280 (0.886)	75	596298	25.0000	26.811	50.00- 150.00	100.00
7.280	7.280 (0.886)	77	188107			0.00- 82.90	31.55
7.280	7.280 (0.886)	39	323489			5.93- 105.93	54.25
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.438	7.438 (0.905)	97	407028	25.0000	26.105	50.00- 150.00	100.00
7.438	7.438 (0.905)	99	252961			12.18- 112.18	62.15
7.438	7.438 (0.905)	83	352012			36.73- 136.73	86.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 Tetrachloroethene					CAS #: 127-18-4		
7.481	7.481 (0.910)	166	529944	25.0000	26.259	50.00- 150.00	100.00
7.474	7.474 (0.909)	129	405408			28.04- 128.04	76.50
7.474	7.474 (0.909)	131	384885			22.71- 122.71	72.63
135 2-Hexanone					CAS #: 591-78-6		
7.610	7.610 (0.926)	58	450479	25.0000	26.417	50.00- 150.00	100.00
7.610	7.610 (0.926)	43	899925			147.09- 247.09	199.77
7.610	7.610 (0.926)	100	92787			0.00- 70.49	20.60
138 Dibromochloromethane					CAS #: 124-48-1		
7.746	7.746 (0.942)	129	689057	25.0000	27.576	50.00- 150.00	100.00
7.746	7.746 (0.942)	127	533178			27.79- 127.79	77.38
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.861	7.861 (0.956)	107	631692	25.0000	27.131	50.00- 150.00	100.00
7.861	7.861 (0.956)	109	604051			45.62- 145.62	95.62
145 Chlorobenzene					CAS #: 108-90-7		
8.247	8.247 (1.003)	112	919596	25.0000	26.643	50.00- 150.00	100.00
8.247	8.247 (1.003)	114	293011			0.00- 82.30	31.86
8.240	8.240 (1.003)	77	552392			21.61- 121.61	60.07
147 Ethyl Benzene					CAS #: 100-41-4		
8.298	8.298 (1.010)	106	477662	25.0000	26.413	50.00- 150.00	100.00
8.298	8.298 (1.010)	91	1477661			253.16- 353.16	309.35
150 m,p-Xylene					CAS #: 108-38-3		
8.398	8.398 (1.022)	106	585428	25.0000	26.458	50.00- 150.00	100.00
8.398	8.398 (1.022)	91	1154467			149.33- 249.33	197.20
153 o-Xylene					CAS #: 95-47-6		
8.742	8.742 (1.064)	106	532661	25.0000	26.410	50.00- 150.00	100.00
8.742	8.742 (1.064)	91	1094288			156.46- 256.46	205.44
154 Styrene					CAS #: 100-42-5		
8.763	8.763 (1.066)	104	892873	25.0000	26.921	50.00- 150.00	100.00
8.763	8.763 (1.066)	78	446512			1.45- 101.45	50.01
155 Bromoform					CAS #: 75-25-2		
8.949	8.949 (1.089)	173	554819	25.0000	26.375	50.00- 150.00	100.00
8.949	8.949 (1.089)	171	282779			2.03- 102.03	50.97
156 Cumene					CAS #: 98-82-8		
9.035	9.035 (1.099)	105	1428272	25.0000	25.185	50.00- 150.00	100.00
9.035	9.035 (1.099)	120	406543			0.00- 78.61	28.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 Cumene (continued)							
9.035	9.035 (1.099)	51	153572			0.00- 61.59	10.75
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.343	9.343 (1.137)	83	805139	25.0000	26.935	50.00- 150.00	100.00
9.343	9.343 (1.137)	85	517171			13.91- 113.91	64.23
162 Propylbenzene					CAS #: 103-65-1		
9.379	9.379 (1.141)	91	1789948	25.0000	27.416	50.00- 150.00	100.00
9.379	9.379 (1.141)	120	418007			0.00- 73.78	23.35
9.379	9.379 (1.141)	105	65757			0.00- 53.86	3.67
163 4-Ethyltoluene					CAS #: 622-96-8		
9.472	9.472 (1.153)	120	468069	25.0000	25.327	50.00- 150.00	100.00
9.472	9.472 (1.153)	105	1462239			258.07- 358.07	312.40
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.530	9.530 (1.159)	120	599697	25.0000	25.112	50.00- 150.00	100.00
9.530	9.530 (1.159)	105	1184029			144.84- 244.84	197.44
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.852	9.852 (1.199)	120	488162	25.0000	21.859	50.00- 150.00	100.00
9.852	9.852 (1.199)	105	1007442			155.69- 255.69	206.37
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.131	10.131 (1.233)	146	787562	25.0000	24.364	50.00- 150.00	100.00
10.131	10.131 (1.233)	148	506328			13.04- 113.04	64.29
10.131	10.131 (1.233)	111	325319			0.00- 90.17	41.31
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.210	10.210 (1.242)	146	795244	25.0000	25.066	50.00- 150.00	100.00
10.210	10.210 (1.242)	148	515802			14.53- 114.53	64.86
10.210	10.210 (1.242)	111	320924			0.00- 90.65	40.36
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.332	10.332 (1.257)	91	1141819	25.0000	25.507	50.00- 150.00	100.00
10.332	10.332 (1.257)	126	242431			0.00- 71.45	21.23
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.532	10.532 (1.282)	146	646905	25.0000	22.719	50.00- 150.00	100.00
10.532	10.532 (1.282)	148	413940			14.08- 114.08	63.99
10.532	10.532 (1.282)	111	276991			0.00- 94.71	42.82
174 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
11.901	11.901 (1.448)	180	488124	25.0000	21.877	50.00- 150.00	100.00
11.901	11.901 (1.448)	182	468866			45.73- 145.73	96.05

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
175 Hexachlorobutadiene					CAS #: 87-68-3		
11.994	11.994 (1.459)	225	311941	25.0000	21.902	50.00- 150.00	100.00
11.994	11.994 (1.459)	223	201621			17.13- 117.13	64.63
176 Naphthalene					CAS #: 91-20-3		
12.151	12.151 (1.478)	128	251199	2.50000	2.464	50.00- 150.00	100.00
12.151	12.151 (1.478)	127	31737			0.00- 62.50	12.63

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052005.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 25ppbv(200ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	256698	-0.84
97 1,4-Difluorobenze	984625	590775	1378475	986011	0.14
144 Chlorobenzene-d5	859874	515924	1203824	864384	0.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.83	-0.45
97 1,4-Difluorobenze	5.76	5.43	6.09	5.74	-0.38
144 Chlorobenzene-d5	8.23	7.90	8.56	8.22	-0.09

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/msd3.i/20may10.b/3052005.d

Date : 20-MAY-2010 12:32

Client ID: Level 4

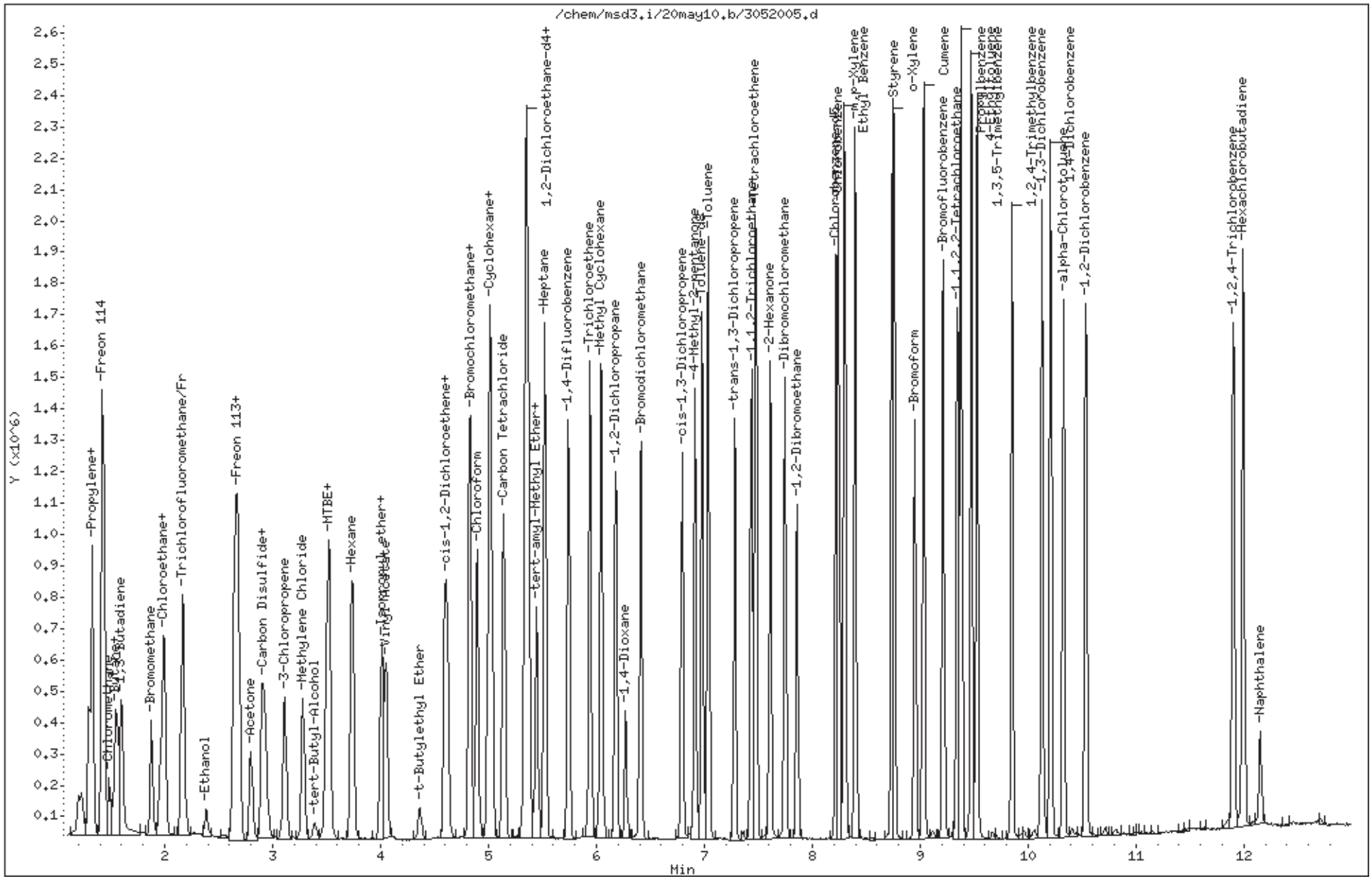
Sample Info: 25ml #1936-182

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/21may10.b/3052103.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 21-MAY-2010 16:20
Operator : smd Inst ID: msd3.i
Smp Info : 50mL #1 936-144
Misc Info : 50ppbv(200pbv)
Comment :
Method : /chem/msd3.i/21may10.b/310q0520a.m
Meth Date : 21-May-2010 17:16 sdisher Quant Type: ISTD
Cal Date : 21-MAY-2010 16:20 Cal File: 3052103.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spAER.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.852 (1.000)	130	299578	25.0000		80.00- 120.00	100.00
4.845	4.845 (1.000)	128	233359			28.10- 128.10	77.90
4.845	4.845 (1.000)	49	383647			81.21- 181.21	128.06
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	1131467	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	180957			0.00- 66.01	15.99
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.240	8.240 (1.000)	117	975911	25.0000		80.00- 120.00	100.00
8.240	8.240 (1.000)	82	546123			6.08- 106.08	55.96
17 Freon 143a					CAS #: 420-46-2		
1.227	1.227 (0.253)	65	201914	50.0000	59.660	80.00- 120.00	100.00
1.227	1.227 (0.253)	69	610344			262.44- 362.44	302.28
1.227	1.227 (0.253)	64	51387			47.07- 147.07	25.45
4 Freon 134a					CAS #: 811-97-2		
1.269	1.269 (0.261)	83	456771	50.0000	55.322	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 134a (continued)							
1.269	1.269 (0.261)	69	460803			95.12- 195.12	100.88
1.269	1.269 (0.261)	63	62746			0.00- 64.27	13.74
5 Freon 152a					CAS #: 75-37-6		
1.310	1.310 (0.270)	65	274696	50.0000	53.880	80.00- 120.00	100.00
1.310	1.310 (0.270)	51	547459			327.13- 427.13	199.30
1.310	1.310 (0.270)	47	127743			0.00- 96.90	46.50
9 Freon 22					CAS #: 75-45-6		
1.352	1.352 (0.279)	67	123155	50.0000	51.519	80.00- 120.00	100.00
1.352	1.352 (0.279)	51	970222			782.59- 882.59	787.81
1.352	1.352 (0.279)	85	15602			0.00- 81.04	12.67
16 Freon142b					CAS #: 75-68-3		
1.450	1.450 (0.299)	65	1019957	50.0000	53.865	80.00- 120.00	100.00
1.450	1.450 (0.299)	45	245661			0.00- 77.12	24.09
45 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
2.159	2.159 (0.445)	67	1327106	50.0000	54.251	80.00- 120.00	100.00
2.159	2.159 (0.445)	69	434564			0.00- 83.83	32.75
2.180	2.180 (0.449)	35	8818			0.00- 51.12	0.66
53 Freon123a					CAS #: 354-23-4		
2.517	2.517 (0.519)	117	996689	50.0000	53.305	80.00- 120.00	100.00
2.517	2.517 (0.519)	67	1265733			79.00- 179.00	126.99
54 Freon123					CAS #: 306-83-2		
2.589	2.589 (0.534)	83	1438505	50.0000	53.387	80.00- 120.00	100.00
2.589	2.589 (0.534)	133	299067			0.00- 71.56	20.79
2.589	2.589 (0.534)	85	983030			17.30- 117.30	68.34
62 Cyclopentene					CAS #: 142-29-0		
3.147	3.147 (0.649)	67	1188709	50.0000	53.239	80.00- 120.00	100.00
3.147	3.147 (0.649)	68	481606			0.00- 92.01	40.52
3.147	3.147 (0.649)	53	232100			0.00- 70.53	19.53
63 1-Propanol					CAS #: 71-23-8		
4.143	4.143 (0.854)	59	131398	50.0000	47.774	80.00- 120.00	100.00
4.143	4.143 (0.854)	42	124823			41.42- 141.42	95.00
4.150	4.150 (0.855)	41	76483			3.24- 103.24	58.21
83 2,2-Dichloropropane					CAS #: 594-20-7		
4.580	4.580 (0.944)	77	1172795	50.0000	51.727	80.00- 120.00	100.00
4.580	4.580 (0.944)	79	375043			0.00- 81.94	31.98
4.580	4.580 (0.944)	97	237759			0.00- 71.79	20.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
90 Isobutanol					CAS #: 78-83-1		
5.339	5.339 (1.100)	41	495117	50.0000	51.124	80.00- 120.00	100.00
5.339	5.339 (1.100)	43	680334			85.37- 185.37	137.41
5.339	5.339 (1.100)	59	21873			0.00- 54.25	4.42
91 1,1-Dichloropropene					CAS #: 563-58-6		
5.196	5.196 (0.902)	110	437104	50.0000	53.542	80.00- 120.00	100.00
5.196	5.196 (0.902)	75	1169080			223.61- 323.61	267.46
96 1-Butanol					CAS #: 71-36-3		
5.927	5.927 (1.029)	56	620277	50.0000	51.822	80.00- 120.00	100.00
5.927	5.927 (1.029)	41	460995			27.33- 127.33	74.32
5.927	5.927 (1.029)	43	361568			13.08- 113.08	58.29
108 1,3-Dichloropropane					CAS #: 142-28-9		
7.603	7.603 (1.319)	76	1358492	50.0000	53.507	80.00- 120.00	100.00
7.603	7.603 (1.319)	41	951695			22.47- 122.47	70.06
7.603	7.603 (1.319)	78	435289			0.00- 83.17	32.04
110 Butyl Acetate					CAS #: 123-86-4		
7.696	7.696 (1.336)	56	1007255	50.0000	49.429	80.00- 120.00	100.00
7.696	7.696 (1.336)	73	402794			0.00- 88.79	39.99
7.696	7.696 (1.336)	43	2549470			188.65- 288.65	253.11
126 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
8.333	8.333 (1.011)	131	1017631	50.0000	53.391	80.00- 120.00	100.00
8.333	8.333 (1.011)	117	732272			26.07- 126.07	71.96
8.333	8.333 (1.011)	95	372907			0.00- 88.41	36.64
113 2-Heptanone					CAS #: 110-43-0		
8.863	8.863 (1.827)	58	1517865	50.0000	55.400	80.00- 120.00	100.00
8.863	8.863 (1.827)	43	2458948			114.09- 214.09	162.00
117 Cyclohexanone					CAS #: 108-94-1		
9.207	9.207 (1.117)	55	987413	50.0000	52.802	80.00- 120.00	100.00
9.207	9.207 (1.117)	98	427471			0.00- 93.53	43.29
9.207	9.207 (1.117)	42	725295			23.06- 123.06	73.45
118 Bromobenzene					CAS #: 108-86-1		
9.365	9.365 (1.136)	156	1098274	50.0000	53.528	80.00- 120.00	100.00
9.365	9.365 (1.136)	158	1079378			46.95- 146.95	98.28
9.365	9.365 (1.136)	77	1811605			120.11- 220.11	164.95
120 1,2,3-Trichloropropane					CAS #: 96-18-4		
9.422	9.422 (1.143)	110	521414	50.0000	53.889	80.00- 120.00	100.00
9.422	9.422 (1.143)	75	1398371			215.99- 315.99	268.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
120 1,2,3-Trichloropropane (continued)							
9.422	9.422 (1.143)	61	365701			20.13- 120.13	70.14
121 2-Chlorotoluene					CAS #: 95-49-8		
9.508	9.508 (1.154)	126	879483	50.0000	53.988	80.00- 120.00	100.00
9.508	9.508 (1.154)	91	2493366			240.86- 340.86	283.50
9.508	9.508 (1.154)	65	227815			0.00- 79.68	25.90
122 4-Chlorotoluene					CAS #: 106-43-4		
9.608	9.608 (1.166)	126	912020	50.0000	54.793	80.00- 120.00	100.00
9.608	9.608 (1.166)	91	2558576			233.55- 333.55	280.54
9.608	9.608 (1.166)	63	314155			0.00- 86.82	34.45
124 Diisobutyl Ketone					CAS #: 108-83-8		
9.651	9.651 (1.171)	57	2422154	50.0000	56.556	80.00- 120.00	100.00
9.651	9.651 (1.171)	85	2123331			36.63- 136.63	87.66
125 tert-Butylbenzene					CAS #: 98-06-6		
9.816	9.816 (1.191)	119	2813451	50.0000	55.667	80.00- 120.00	100.00
9.816	9.816 (1.191)	134	751957			0.00- 75.31	26.73
9.816	9.816 (1.191)	91	1821883			14.28- 114.28	64.76
127 Pentachloroethane					CAS #: 76-01-7		
9.881	9.881 (1.199)	167	820329	50.0000	56.120	80.00- 120.00	100.00
9.881	9.881 (1.199)	117	889830			58.24- 158.24	108.47
9.881	9.881 (1.199)	169	392002			0.00- 97.17	47.79
129 sec-Butylbenzene					CAS #: 135-98-8		
10.010	10.010 (1.215)	134	894816	50.0000	55.895	80.00- 120.00	100.00
10.002	10.002 (1.214)	105	4081472			418.46- 518.46	456.12
10.002	10.002 (1.214)	91	630244			30.52- 130.52	70.43
132 p-Cymene					CAS #: 99-87-6		
10.124	10.124 (1.229)	119	3441261	50.0000	52.480	80.00- 120.00	100.00
10.124	10.124 (1.229)	134	973176			0.00- 73.22	28.28
10.117	10.117 (1.228)	91	766855			0.00- 73.01	22.28
133 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
10.239	10.239 (1.243)	120	1392328	50.0000	55.313	80.00- 120.00	100.00
10.239	10.239 (1.243)	105	3018600			163.65- 263.65	216.80
10.239	10.239 (1.243)	77	373890			0.00- 84.74	26.85
136 Butylbenzene					CAS #: 104-51-8		
10.468	10.468 (1.270)	134	918241	50.0000	56.335	80.00- 120.00	100.00
10.468	10.468 (1.270)	91	3305401			345.14- 445.14	359.97
10.468	10.468 (1.270)	92	1863333			161.10- 261.10	202.92

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
141 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
11.242	11.242 (1.364)	157	969544	50.0000	58.448	80.00- 120.00	100.00
11.234	11.234 (1.363)	75	866515			45.16- 145.16	89.37
11.242	11.242 (1.364)	155	747093			29.79- 129.79	77.06

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052103.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: smd
Method File: /chem/msd3.i/21may10.b/310q0520a.m
Misc Info: 50ppbv(200pbv)

Calibration Date: 21-MAY-2010
Calibration Time: 16:20
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	299578	179747	419409	299578	0.00
97 1,4-Difluorobenze	1131467	678880	1584054	1131467	0.00
144 Chlorobenzene-d5	975911	585547	1366275	975911	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.24	7.91	8.57	8.24	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/msd3.i/21may10.b/3052103.d

Page 1

Date : 21-MAY-2010 16:20

Client ID: Level 5

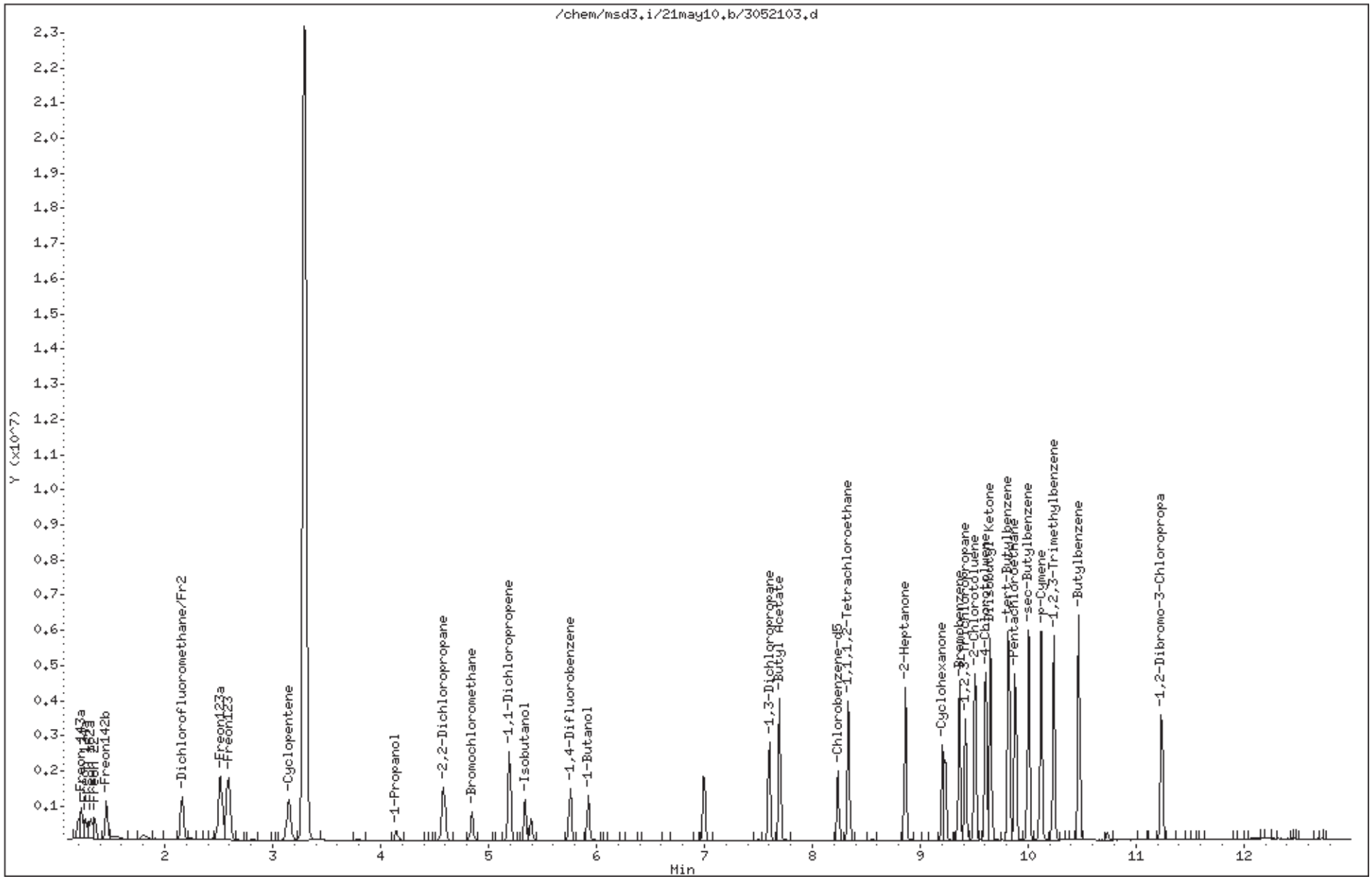
Instrument: msd3.i

Sample Info: 50mL #1 936-144

Operator: smd

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052006.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 20-MAY-2010 12:56
Operator : acb Inst ID: msd3.i
Smp Info : 50ml #1936-182
Misc Info : 50ppbv(200ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:01 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 12:56 Cal File: 3052006.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.852 (1.000)	130	258882	25.0000		80.00- 120.00	100.00
4.845	4.845 (1.000)	128	197318			27.68- 127.68	76.22
4.845	4.845 (1.000)	49	347562			83.55- 183.55	134.25
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	984625	25.0000		80.00- 120.00	100.00
5.762	5.762 (1.000)	88	155911			0.00- 65.98	15.83
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.226	8.226 (1.000)	117	859874	25.0000		80.00- 120.00	100.00
8.226	8.226 (1.000)	82	484682			6.33- 106.33	56.37
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.397	5.397 (1.112)	65	348615	25.0000	24.635	80.00- 120.00	100.00
5.397	5.397 (1.112)	67	194582			4.53- 104.53	55.82
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.994	6.994 (1.214)	98	961647	25.0000	25.351	80.00- 120.00	100.00
6.994	6.994 (1.214)	70	111092			0.00- 61.77	11.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.994	6.994 (1.214)	100	643090			17.54- 117.54	66.87
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.222	9.222 (1.121)	174	446604	25.0000	25.276	80.00- 120.00	100.00
9.215	9.215 (1.120)	95	614092			89.80- 189.80	137.50
9.222	9.222 (1.121)	176	430717			47.30- 147.30	96.44
6 Propylene					CAS #: 115-07-1		
1.311	1.311 (0.270)	41	323521	50.0000	41.418	80.00- 120.00	100.00
1.311	1.311 (0.270)	42	218516			16.29- 116.29	67.54
1.311	1.311 (0.270)	39	250975			25.67- 125.67	77.58
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.325	1.325 (0.273)	85	1144228	50.0000	43.160	80.00- 120.00	100.00
1.325	1.325 (0.273)	87	373457			0.00- 83.16	32.64
10 Freon 114					CAS #: 76-14-2		
1.437	1.437 (0.296)	135	1015948	50.0000	47.847	80.00- 120.00	100.00
1.437	1.437 (0.296)	137	328172			0.00- 81.19	32.30
11 Chloromethane					CAS #: 74-87-3		
1.479	1.479 (0.305)	50	217813	50.0000	45.309	80.00- 120.00	100.00
1.479	1.479 (0.305)	52	71882			0.00- 89.83	33.00
13 Butane					CAS #: 106-97-8		
1.549	1.549 (0.319)	58	64206	50.0000	37.133	80.00- 120.00	100.00
1.549	1.549 (0.319)	43	479643			671.03- 771.03	747.04
14 Vinyl Chloride					CAS #: 75-01-4		
1.577	1.577 (0.325)	62	338059	50.0000	46.015	80.00- 120.00	100.00
1.577	1.577 (0.325)	64	113645			9.16- 109.16	33.62
15 1,3-Butadiene					CAS #: 106-99-0		
1.605	1.605 (0.331)	54	370971	50.0000	46.924	80.00- 120.00	100.00
1.605	1.605 (0.331)	39	436457			86.04- 186.04	117.65
21 Bromomethane					CAS #: 74-83-9		
1.884	1.884 (0.388)	94	380139	50.0000	40.183	80.00- 120.00	100.00
1.884	1.884 (0.388)	96	347142			43.85- 143.85	91.32
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.406)	64	238800	50.0000	39.819	80.00- 120.00	100.00
1.968	1.968 (0.406)	66	73789			0.00- 91.47	30.90
1.968	1.968 (0.406)	49	70402			0.00- 76.92	29.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
25 Isopentane					CAS #: 78-78-4		
1.996	1.996 (0.411)	43	670311	50.0000	45.813	80.00- 120.00	100.00
1.996	1.996 (0.411)	57	481017			17.32- 117.32	71.76
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.173	2.173 (0.448)	101	1448705	50.0000	49.700	80.00- 120.00	100.00
2.173	2.173 (0.448)	103	944368			16.11- 116.11	65.19
29 Ethanol					CAS #: 64-17-5		
2.388	2.388 (0.492)	45	166513	50.0000	45.056	80.00- 120.00	100.00
2.388	2.388 (0.492)	43	36103			0.00- 70.33	21.68
2.388	2.388 (0.492)	46	69140			0.00- 85.62	41.52
30 Freon 113					CAS #: 76-13-1		
2.668	2.668 (0.550)	151	979555	50.0000	50.390	80.00- 120.00	100.00
2.668	2.668 (0.550)	153	622491			15.27- 115.27	63.55
2.668	2.668 (0.550)	101	1188532			70.04- 170.04	121.33
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.696	2.696 (0.556)	96	510467	50.0000	45.791	80.00- 120.00	100.00
2.696	2.696 (0.556)	98	326109			13.42- 113.42	63.88
2.696	2.696 (0.556)	61	836359			102.48- 202.48	163.84
34 Acetone					CAS #: 67-64-1		
2.811	2.811 (0.579)	58	228397	50.0000	46.146	80.00- 120.00	100.00
2.811	2.811 (0.579)	43	794185			294.99- 394.99	347.72
35 Carbon Disulfide					CAS #: 75-15-0		
2.918	2.918 (0.601)	76	1352806	50.0000	45.870	80.00- 120.00	100.00
37 2-Propanol					CAS #: 67-63-0		
2.947	2.947 (0.607)	45	940867	50.0000	49.402	80.00- 120.00	100.00
2.940	2.940 (0.606)	43	183017			0.00- 68.53	19.45
2.947	2.947 (0.607)	59	35492			0.00- 53.71	3.77
41 3-Chloropropene					CAS #: 107-05-1		
3.126	3.126 (0.644)	76	243600	50.0000	48.025	80.00- 120.00	100.00
3.126	3.126 (0.644)	41	714386			233.43- 333.43	293.26
43 Methylene Chloride					CAS #: 75-09-2		
3.298	3.298 (0.680)	49	540544	50.0000	46.152	80.00- 120.00	100.00
3.298	3.298 (0.680)	84	424020			30.55- 130.55	78.44
3.298	3.298 (0.680)	51	165029			0.00- 78.00	30.53
46 tert-Butyl-Alcohol					CAS #: 75-65-0		
3.405	3.405 (0.702)	57	15430	5.00000	4.522	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 tert-Butyl-Alcohol (continued)							
3.398	3.398 (0.700)	41	33179			51.88- 151.88	215.03
3.405	3.405 (0.702)	59	148911			274.92- 374.92	965.07
47 MTBE					CAS #: 1634-04-4		
3.520	3.520 (0.725)	73	1382029	50.0000	48.670	80.00- 120.00	100.00
3.520	3.520 (0.725)	57	303824			0.00- 69.69	21.98
3.520	3.520 (0.725)	41	306676			0.00- 74.36	22.19
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.542	3.542 (0.730)	98	359071	50.0000	47.417	80.00- 120.00	100.00
3.542	3.542 (0.730)	61	795775			165.89- 265.89	221.62
3.542	3.542 (0.730)	96	567223			102.74- 202.74	157.97
51 Hexane					CAS #: 110-54-3		
3.756	3.756 (0.774)	57	899464	50.0000	48.853	80.00- 120.00	100.00
3.756	3.756 (0.774)	43	605616			20.84- 120.84	67.33
3.756	3.756 (0.774)	86	161410			0.00- 67.84	17.95
58 Isopropyl ether					CAS #: 108-20-3		
4.021	4.021 (0.829)	45	260548	5.00000	4.943	80.00- 120.00	100.00
4.029	4.029 (0.830)	87	85269			0.00- 82.08	32.73
4.029	4.029 (0.830)	59	30517			0.00- 62.26	11.71
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.029	4.029 (0.830)	63	1089955	50.0000	49.470	80.00- 120.00	100.00
4.029	4.029 (0.830)	65	346246			0.00- 82.97	31.77
61 Vinyl Acetate					CAS #: 108-05-4		
4.072	4.072 (0.839)	86	160492	50.0000	50.877	80.00- 120.00	100.00
4.072	4.072 (0.839)	43	1777746			1048.02-1148.02	1107.69
68 t-Butylethyl Ether					CAS #: 637-92-3		
4.380	4.380 (0.903)	59	156135	5.00000	4.758	80.00- 120.00	100.00
4.387	4.387 (0.904)	87	62539			0.00- 92.49	40.05
4.387	4.387 (0.904)	41	29640			0.00- 68.70	18.98
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.616	4.616 (0.951)	98	404753	50.0000	48.893	80.00- 120.00	100.00
4.616	4.616 (0.951)	96	629392			107.00- 207.00	155.50
4.616	4.616 (0.951)	61	835229			156.77- 256.77	206.36
74 2-Butanone					CAS #: 78-93-3		
4.638	4.638 (0.956)	72	323380	50.0000	48.776	80.00- 120.00	100.00
4.638	4.638 (0.956)	43	1383102			367.38- 467.38	427.70
4.638	4.638 (0.956)	57	100910			0.00- 82.47	31.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 Tetrahydrofuran					CAS #: 109-99-9		
4.845	4.845 (0.999)	42	796028	50.0000	49.780	80.00- 120.00	100.00
4.845	4.845 (0.999)	71	292850			0.00- 85.96	36.79
4.845	4.845 (0.999)	72	318070			0.00- 88.91	39.96
78 Chloroform					CAS #: 67-66-3		
4.917	4.917 (1.013)	83	1269704	50.0000	49.363	80.00- 120.00	100.00
4.917	4.917 (1.013)	85	825963			15.14- 115.14	65.05
80 Cyclohexane					CAS #: 110-82-7		
5.032	5.032 (1.037)	84	864938	50.0000	49.432	80.00- 120.00	100.00
5.024	5.024 (1.035)	56	1027316			68.72- 168.72	118.77
5.024	5.024 (1.035)	41	609547			19.25- 119.25	70.47
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.046	5.046 (1.040)	97	1280421	50.0000	49.736	80.00- 120.00	100.00
5.046	5.046 (1.040)	99	823671			13.46- 113.46	64.33
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.160	5.160 (1.063)	119	1243714	50.0000	49.588	80.00- 120.00	100.00
5.160	5.160 (1.063)	117	1297567			53.73- 153.73	104.33
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.368	5.368 (1.106)	57	2821665	50.0000	47.785	80.00- 120.00	100.00
5.368	5.368 (1.106)	56	935336			0.00- 83.36	33.15
5.368	5.368 (1.106)	41	781991			0.00- 79.00	27.71
88 Benzene					CAS #: 71-43-2		
5.375	5.375 (0.933)	78	1888216	50.0000	50.272	80.00- 120.00	100.00
5.382	5.382 (0.934)	77	442894			0.00- 75.11	23.46
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
5.454	5.454 (1.124)	73	141841	5.00000	4.639	80.00- 120.00	100.00
5.454	5.454 (1.124)	87	34974			0.00- 73.83	24.66
5.454	5.454 (1.124)	55	38053			0.00- 76.83	26.83
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.468	5.468 (0.949)	62	870454	50.0000	49.800	80.00- 120.00	100.00
5.468	5.468 (0.949)	64	285484			0.00- 84.79	32.80
94 Heptane					CAS #: 142-82-5		
5.540	5.540 (0.961)	71	722194	50.0000	50.260	80.00- 120.00	100.00
5.540	5.540 (0.961)	43	1307440			135.14- 235.14	181.04
5.540	5.540 (0.961)	57	650455			42.76- 142.76	90.07
102 Trichloroethene					CAS #: 79-01-6		
5.956	5.956 (1.034)	95	837775	50.0000	49.272	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
102 Trichloroethene (continued)							
5.956	5.956 (1.034)	130	875909			51.95- 151.95	104.55
5.956	5.956 (1.034)	97	543330			13.87- 113.87	64.85
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.063	6.063 (1.249)	83	1139717	50.0000	49.357	80.00- 120.00	100.00
6.063	6.063 (1.249)	98	553002			0.00- 99.36	48.52
6.063	6.063 (1.249)	55	926347			32.31- 132.31	81.28
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.199	6.199 (1.076)	63	728308	50.0000	49.532	80.00- 120.00	100.00
6.199	6.199 (1.076)	62	510670			19.50- 119.50	70.12
6.199	6.199 (1.076)	41	448923			12.61- 112.61	61.64
107 1,4-Dioxane					CAS #: 123-91-1		
6.285	6.285 (1.091)	88	458172	50.0000	50.251	80.00- 120.00	100.00
6.285	6.285 (1.091)	58	331229			22.28- 122.28	72.29
6.285	6.285 (1.091)	57	104635			0.00- 73.35	22.84
109 Bromodichloromethane					CAS #: 75-27-4		
6.428	6.428 (1.116)	83	1349383	50.0000	50.012	80.00- 120.00	100.00
6.428	6.428 (1.116)	85	868631			13.18- 113.18	64.37
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.815	6.815 (1.183)	75	1099661	50.0000	50.516	80.00- 120.00	100.00
6.815	6.815 (1.183)	77	351147			0.00- 81.33	31.93
6.815	6.815 (1.183)	39	618778			7.75- 107.75	56.27
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.930	6.930 (1.203)	58	629612	50.0000	50.645	80.00- 120.00	100.00
6.930	6.930 (1.203)	43	1725260			229.92- 329.92	274.02
6.930	6.930 (1.203)	85	265675			0.00- 92.97	42.20
116 Toluene					CAS #: 108-88-3		
7.051	7.051 (1.224)	91	2214297	50.0000	50.119	80.00- 120.00	100.00
7.051	7.051 (1.224)	92	1325698			10.41- 110.41	59.87
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.295	7.295 (0.887)	75	1117580	50.0000	50.512	80.00- 120.00	100.00
7.295	7.295 (0.887)	77	357100			0.00- 82.90	31.95
7.295	7.295 (0.887)	39	601062			5.93- 105.93	53.78
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.445	7.445 (0.905)	97	753298	50.0000	48.568	80.00- 120.00	100.00
7.445	7.445 (0.905)	99	474986			12.18- 112.18	63.05
7.445	7.445 (0.905)	83	652388			36.73- 136.73	86.60

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 Tetrachloroethene					CAS #: 127-18-4		
7.488	7.488 (0.910)	166	996766	50.0000	49.649	80.00- 120.00	100.00
7.488	7.488 (0.910)	129	758909			28.04- 128.04	76.14
7.488	7.488 (0.910)	131	716789			22.71- 122.71	71.91
135 2-Hexanone					CAS #: 591-78-6		
7.625	7.625 (0.927)	58	865992	50.0000	51.050	80.00- 120.00	100.00
7.625	7.625 (0.927)	43	1705964			147.09- 247.09	197.00
7.625	7.625 (0.927)	100	177001			0.00- 70.49	20.44
138 Dibromochloromethane					CAS #: 124-48-1		
7.761	7.761 (0.943)	129	1274208	50.0000	51.262	80.00- 120.00	100.00
7.761	7.761 (0.943)	127	983244			27.79- 127.79	77.17
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.868	7.868 (0.956)	107	1182922	50.0000	51.072	80.00- 120.00	100.00
7.868	7.868 (0.956)	109	1123174			45.62- 145.62	94.95
145 Chlorobenzene					CAS #: 108-90-7		
8.255	8.255 (1.003)	112	1747369	50.0000	50.891	80.00- 120.00	100.00
8.255	8.255 (1.003)	114	558732			0.00- 82.30	31.98
8.255	8.255 (1.003)	77	1018595			21.61- 121.61	58.29
147 Ethyl Benzene					CAS #: 100-41-4		
8.305	8.305 (1.010)	106	899505	50.0000	50.000	80.00- 120.00	100.00
8.305	8.305 (1.010)	91	2760068			253.16- 353.16	306.84
150 m,p-Xylene					CAS #: 108-38-3		
8.405	8.405 (1.022)	106	1122453	50.0000	50.994	80.00- 120.00	100.00
8.405	8.405 (1.022)	91	2203771			149.33- 249.33	196.34
153 o-Xylene					CAS #: 95-47-6		
8.749	8.749 (1.064)	106	1048724	50.0000	52.270	80.00- 120.00	100.00
8.749	8.749 (1.064)	91	2150089			156.46- 256.46	205.02
154 Styrene					CAS #: 100-42-5		
8.763	8.763 (1.065)	104	1745900	50.0000	52.916	80.00- 120.00	100.00
8.763	8.763 (1.065)	78	862944			1.45- 101.45	49.43
155 Bromoform					CAS #: 75-25-2		
8.957	8.957 (1.089)	173	1113121	50.0000	53.193	80.00- 120.00	100.00
8.957	8.957 (1.089)	171	577489			2.03- 102.03	51.88
156 Cumene					CAS #: 98-82-8		
9.036	9.036 (1.098)	105	2920481	50.0000	51.767	80.00- 120.00	100.00
9.036	9.036 (1.098)	120	827867			0.00- 78.61	28.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 Cumene (continued)							
9.036	9.036 (1.098)	51	298071			0.00- 61.59	10.21
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.351	9.351 (1.137)	83	1528748	50.0000	51.411	80.00- 120.00	100.00
9.351	9.351 (1.137)	85	995385			13.91- 113.91	65.11
162 Propylbenzene					CAS #: 103-65-1		
9.379	9.379 (1.140)	91	3439535	50.0000	52.959	80.00- 120.00	100.00
9.387	9.387 (1.141)	120	831482			0.00- 73.78	24.17
9.387	9.387 (1.141)	105	128733			0.00- 53.86	3.74
163 4-Ethyltoluene					CAS #: 622-96-8		
9.480	9.480 (1.152)	120	938126	50.0000	51.029	80.00- 120.00	100.00
9.480	9.480 (1.152)	105	2988333			258.07- 358.07	318.54
164 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.530	9.530 (1.158)	120	1248346	50.0000	52.547	80.00- 120.00	100.00
9.530	9.530 (1.158)	105	2358090			144.84- 244.84	188.90
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.852	9.852 (1.198)	120	1115580	50.0000	50.215	80.00- 120.00	100.00
9.852	9.852 (1.198)	105	2271293			155.69- 255.69	203.60
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.132	10.132 (1.232)	146	1545500	50.0000	48.062	80.00- 120.00	100.00
10.132	10.132 (1.232)	148	985173			13.04- 113.04	63.74
10.132	10.132 (1.232)	111	632581			0.00- 90.17	40.93
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.210	10.210 (1.241)	146	1553711	50.0000	49.230	80.00- 120.00	100.00
10.210	10.210 (1.241)	148	1004995			14.53- 114.53	64.68
10.210	10.210 (1.241)	111	632920			0.00- 90.65	40.74
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.332	10.332 (1.256)	91	2391049	50.0000	53.694	80.00- 120.00	100.00
10.332	10.332 (1.256)	126	522363			0.00- 71.45	21.85
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.540	10.540 (1.281)	146	1434326	50.0000	50.638	80.00- 120.00	100.00
10.540	10.540 (1.281)	148	927178			14.08- 114.08	64.64
10.540	10.540 (1.281)	111	616982			0.00- 94.71	43.02
174 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
11.908	11.908 (1.448)	180	1046848	50.0000	47.164	80.00- 120.00	100.00
11.908	11.908 (1.448)	182	994068			45.73- 145.73	94.96

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
175 Hexachlorobutadiene					CAS #: 87-68-3		
12.001	12.001 (1.459)	225	693649	50.0000	48.957	80.00- 120.00	100.00
12.001	12.001 (1.459)	223	491582			17.13- 117.13	70.87
176 Naphthalene					CAS #: 91-20-3		
12.159	12.159 (1.478)	128	577533	5.00000	5.695	80.00- 120.00	100.00
12.159	12.159 (1.478)	127	71105			0.00- 62.50	12.31

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.i
Lab File ID: 3052006.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 50ppbv(200ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	258882	0.00
97 1,4-Difluorobenze	984625	590775	1378475	984625	0.00
144 Chlorobenzene-d5	859874	515924	1203824	859874	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.85	0.00
97 1,4-Difluorobenze	5.76	5.43	6.09	5.76	0.00
144 Chlorobenzene-d5	8.23	7.90	8.56	8.23	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/msd3.i/20may10.b/3052006.d

Date : 20-MAY-2010 12:56

Client ID: Level 5

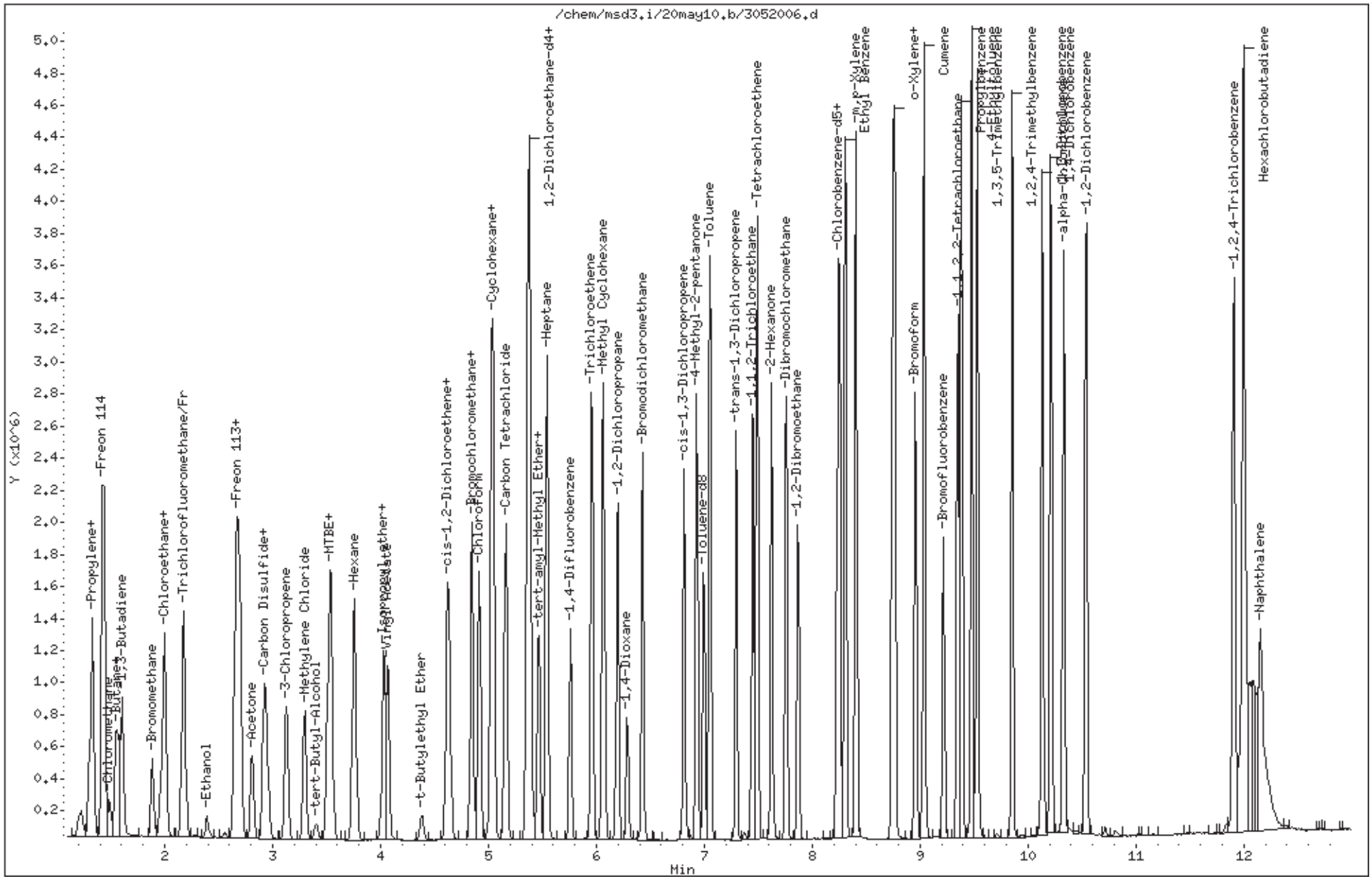
Sample Info: 50ml #1936-182

Column phase: RTx-624

Instrument: msd3.i

Operator: acb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/20may10.b/3052007.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 20-MAY-2010 13:19
Operator : acb Inst ID: msd3.i
Smp Info : 100ml #1936-182
Misc Info : 100ppbv(200ppbv)
Comment :
Method : /chem/msd3.i/20may10.b/310q0520a.m
Meth Date : 20-May-2010 14:02 abarton Quant Type: ISTD
Cal Date : 20-MAY-2010 13:19 Cal File: 3052007.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT10.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
==	====== ========	====	========	=======	=======	==========	=====
* 76 Bromochloromethane					CAS #: 74-97-5		
4.831	4.831 (1.000)	130	263497	25.0000		50.00- 150.00	100.00
4.831	4.831 (1.000)	128	207418			27.68- 127.68	78.72
4.831	4.831 (1.000)	49	340268			83.55- 183.55	129.14
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.741	5.741 (1.000)	114	1000550	25.0000		50.00- 150.00	100.00
5.741	5.741 (1.000)	88	159964			0.00- 65.98	15.99
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.219	8.219 (1.000)	117	879349	25.0000		50.00- 150.00	100.00
8.219	8.219 (1.000)	82	490404			6.33- 106.33	55.77
$ 89 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
5.375	5.375 (1.113)	65	368317	25.0000	25.572	50.00- 150.00	100.00
5.382	5.382 (1.114)	67	222567			4.53- 104.53	60.43
$ 115 Toluene-d8					CAS #: 2037-26-5		
6.980	6.980 (1.216)	98	972913	25.0000	25.240	50.00- 150.00	100.00
6.980	6.980 (1.216)	70	113779			0.00- 61.77	11.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 115 Toluene-d8 (continued)							
6.980	6.980 (1.216)	100	662009			17.54- 117.54	68.04
$ 159 Bromofluorobenzene					CAS #: 460-00-4		
9.215	9.215 (1.121)	174	455880	25.0000	25.230	50.00- 150.00	100.00
9.215	9.215 (1.121)	95	623177			89.80- 189.80	136.70
9.215	9.215 (1.121)	176	444468			47.30- 147.30	97.50
6 Propylene					CAS #: 115-07-1		
1.311	1.311 (0.271)	41	754596	100.000	94.913	50.00- 150.00	100.00
1.311	1.311 (0.271)	42	510656			16.29- 116.29	67.67
1.311	1.311 (0.271)	39	580916			25.67- 125.67	76.98
7 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.339	1.339 (0.277)	85	2579304	100.000	95.587	50.00- 150.00	100.00
1.339	1.339 (0.277)	87	846612			0.00- 83.16	32.82
10 Freon 114					CAS #: 76-14-2		
1.437	1.437 (0.297)	135	1965300	100.000	90.937	50.00- 150.00	100.00
1.437	1.437 (0.297)	137	636288			0.00- 81.19	32.38
11 Chloromethane					CAS #: 74-87-3		
1.493	1.493 (0.309)	50	441060	100.000	90.142	50.00- 150.00	100.00
1.493	1.493 (0.309)	52	149609			0.00- 89.83	33.92
13 Butane					CAS #: 106-97-8		
1.549	1.549 (0.321)	58	108578	100.000	61.695	50.00- 150.00	100.00
1.549	1.549 (0.321)	43	812688			671.03- 771.03	748.48
14 Vinyl Chloride					CAS #: 75-01-4		
1.577	1.577 (0.326)	62	643728	100.000	86.086	50.00- 150.00	100.00
1.577	1.577 (0.326)	64	213433			9.16- 109.16	33.16
15 1,3-Butadiene					CAS #: 106-99-0		
1.605	1.605 (0.332)	54	738688	100.000	91.799	50.00- 150.00	100.00
1.605	1.605 (0.332)	39	841024			86.04- 186.04	113.85
21 Bromomethane					CAS #: 74-83-9		
1.884	1.884 (0.390)	94	861984	100.000	89.522	50.00- 150.00	100.00
1.884	1.884 (0.390)	96	813717			43.85- 143.85	94.40
24 Chloroethane					CAS #: 75-00-3		
1.968	1.968 (0.407)	64	500424	100.000	81.982	50.00- 150.00	100.00
1.968	1.968 (0.407)	66	185395			0.00- 91.47	37.05
1.968	1.968 (0.407)	49	133063			0.00- 76.92	26.59

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
25 Isopentane					CAS #: 78-78-4		
1.996	1.996 (0.413)	43	1408753	100.000	94.596	50.00- 150.00	100.00
1.996	1.996 (0.413)	57	981417			17.32- 117.32	69.67
28 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
2.173	2.173 (0.450)	101	2714211	100.000	91.484	50.00- 150.00	100.00
2.173	2.173 (0.450)	103	1784916			16.11- 116.11	65.76
29 Ethanol					CAS #: 64-17-5		
2.388	2.388 (0.494)	45	378814	100.000	100.70	50.00- 150.00	100.00
2.388	2.388 (0.494)	43	79927			0.00- 70.33	21.10
2.388	2.388 (0.494)	46	151222			0.00- 85.62	39.92
30 Freon 113					CAS #: 76-13-1		
2.660	2.660 (0.551)	151	1886996	100.000	95.371	50.00- 150.00	100.00
2.660	2.660 (0.551)	153	1226262			15.27- 115.27	64.98
2.653	2.653 (0.549)	101	2278394			70.04- 170.04	120.74
32 1,1-Dichloroethene					CAS #: 75-35-4		
2.689	2.689 (0.557)	96	1020852	100.000	89.971	50.00- 150.00	100.00
2.689	2.689 (0.557)	98	645552			13.42- 113.42	63.24
2.689	2.689 (0.557)	61	1661457			102.48- 202.48	162.75
34 Acetone					CAS #: 67-64-1		
2.797	2.797 (0.579)	58	460383	100.000	91.387	50.00- 150.00	100.00
2.797	2.797 (0.579)	43	1601701			294.99- 394.99	347.91
35 Carbon Disulfide					CAS #: 75-15-0		
2.911	2.911 (0.603)	76	2769390	100.000	92.257	50.00- 150.00	100.00
37 2-Propanol					CAS #: 67-63-0		
2.933	2.933 (0.607)	45	1867535	100.000	96.342	50.00- 150.00	100.00
2.933	2.933 (0.607)	43	357307			0.00- 68.53	19.13
2.933	2.933 (0.607)	59	69425			0.00- 53.71	3.72
41 3-Chloropropene					CAS #: 107-05-1		
3.119	3.119 (0.646)	76	482665	100.000	93.490	50.00- 150.00	100.00
3.112	3.112 (0.644)	41	1415292			233.43- 333.43	293.22
43 Methylene Chloride					CAS #: 75-09-2		
3.284	3.284 (0.680)	49	1101308	100.000	92.383	50.00- 150.00	100.00
3.284	3.284 (0.680)	84	864082			30.55- 130.55	78.46
3.284	3.284 (0.680)	51	334346			0.00- 78.00	30.36
46 tert-Butyl-Alcohol					CAS #: 75-65-0		
3.398	3.398 (0.703)	57	29815	10.0000	8.585	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 tert-Butyl-Alcohol (continued)							
3.391	3.391 (0.702)	41	60875			51.88- 151.88	204.18
3.391	3.391 (0.702)	59	285953			274.92- 374.92	959.09
47 MTBE					CAS #: 1634-04-4		
3.506	3.506 (0.726)	73	2770823	100.000	95.869	50.00- 150.00	100.00
3.499	3.499 (0.724)	57	605566			0.00- 69.69	21.86
3.499	3.499 (0.724)	41	614599			0.00- 74.36	22.18
48 trans-1,2-Dichloroethene					CAS #: 156-60-5		
3.527	3.527 (0.730)	98	706777	100.000	91.698	50.00- 150.00	100.00
3.527	3.527 (0.730)	61	1571847			165.89- 265.89	222.40
3.527	3.527 (0.730)	96	1118830			102.74- 202.74	158.30
51 Hexane					CAS #: 110-54-3		
3.742	3.742 (0.775)	57	1741865	100.000	92.950	50.00- 150.00	100.00
3.742	3.742 (0.775)	43	1165722			20.84- 120.84	66.92
3.742	3.742 (0.775)	86	312784			0.00- 67.84	17.96
58 Isopropyl ether					CAS #: 108-20-3		
4.007	4.007 (0.829)	45	489698	10.0000	9.128	50.00- 150.00	100.00
4.014	4.014 (0.831)	87	158883			0.00- 82.08	32.45
4.007	4.007 (0.829)	59	57766			0.00- 62.26	11.80
59 1,1-Dichloroethane					CAS #: 75-34-3		
4.014	4.014 (0.831)	63	2065850	100.000	92.122	50.00- 150.00	100.00
4.014	4.014 (0.831)	65	672233			0.00- 82.97	32.54
61 Vinyl Acetate					CAS #: 108-05-4		
4.057	4.057 (0.840)	86	315210	100.000	98.174	50.00- 150.00	100.00
4.050	4.050 (0.838)	43	3386665			1048.02-1148.02	1074.42
68 t-Butylethyl Ether					CAS #: 637-92-3		
4.365	4.365 (0.904)	59	284614	10.0000	8.520	50.00- 150.00	100.00
4.365	4.365 (0.904)	87	120485			0.00- 92.49	42.33
4.365	4.365 (0.904)	41	55235			0.00- 68.70	19.41
73 cis-1,2-Dichloroethene					CAS #: 156-59-2		
4.602	4.602 (0.953)	98	784121	100.000	93.061	50.00- 150.00	100.00
4.602	4.602 (0.953)	96	1228622			107.00- 207.00	156.69
4.602	4.602 (0.953)	61	1601072			156.77- 256.77	204.19
74 2-Butanone					CAS #: 78-93-3		
4.623	4.623 (0.957)	72	623793	100.000	92.439	50.00- 150.00	100.00
4.623	4.623 (0.957)	43	2581378			367.38- 467.38	413.82
4.623	4.623 (0.957)	57	193381			0.00- 82.47	31.00

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
75 Tetrahydrofuran					CAS #: 109-99-9		
4.824	4.824 (0.999)	42	1489705	100.000	91.529	50.00- 150.00	100.00
4.824	4.824 (0.999)	71	556598			0.00- 85.96	37.36
4.824	4.824 (0.999)	72	596398			0.00- 88.91	40.03
78 Chloroform					CAS #: 67-66-3		
4.895	4.895 (1.013)	83	2454912	100.000	93.770	50.00- 150.00	100.00
4.895	4.895 (1.013)	85	1599682			15.14- 115.14	65.16
80 Cyclohexane					CAS #: 110-82-7		
5.010	5.010 (1.037)	84	1668741	100.000	93.700	50.00- 150.00	100.00
5.010	5.010 (1.037)	56	1921593			68.72- 168.72	115.15
5.010	5.010 (1.037)	41	1143114			19.25- 119.25	68.50
81 1,1,1-Trichloroethane					CAS #: 71-55-6		
5.024	5.024 (1.040)	97	2514440	100.000	95.960	50.00- 150.00	100.00
5.024	5.024 (1.040)	99	1612024			13.46- 113.46	64.11
82 Carbon Tetrachloride					CAS #: 56-23-5		
5.146	5.146 (1.065)	119	2498340	100.000	97.867	50.00- 150.00	100.00
5.146	5.146 (1.065)	117	2569214			53.73- 153.73	102.84
87 2,2,4-Trimethylpentane					CAS #: 540-84-1		
5.354	5.354 (1.108)	57	5539778	100.000	92.173	50.00- 150.00	100.00
5.354	5.354 (1.108)	56	1853190			0.00- 83.36	33.45
5.354	5.354 (1.108)	41	1537217			0.00- 79.00	27.75
88 Benzene					CAS #: 71-43-2		
5.361	5.361 (0.934)	78	3674967	100.000	96.286	50.00- 150.00	100.00
5.361	5.361 (0.934)	77	866688			0.00- 75.11	23.58
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
5.433	5.433 (1.125)	73	254966	10.0000	8.193	50.00- 150.00	100.00
5.433	5.433 (1.125)	87	58928			0.00- 73.83	23.11
5.433	5.433 (1.125)	55	70053			0.00- 76.83	27.48
93 1,2-Dichloroethane					CAS #: 107-06-2		
5.447	5.447 (0.949)	62	1736527	100.000	97.768	50.00- 150.00	100.00
5.447	5.447 (0.949)	64	569012			0.00- 84.79	32.77
94 Heptane					CAS #: 142-82-5		
5.526	5.526 (0.963)	71	1404494	100.000	96.188	50.00- 150.00	100.00
5.526	5.526 (0.963)	43	2539761			135.14- 235.14	180.83
5.526	5.526 (0.963)	57	1287990			42.76- 142.76	91.70
102 Trichloroethene					CAS #: 79-01-6		
5.941	5.941 (1.035)	95	1656526	100.000	95.874	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
102 Trichloroethene (continued)							
5.941	5.941 (1.035)	130	1762217			51.95- 151.95	106.38
5.941	5.941 (1.035)	97	1081299			13.87- 113.87	65.28
104 Methyl Cyclohexane					CAS #: 108-87-2		
6.049	6.049 (1.252)	83	2186071	100.000	93.013	50.00- 150.00	100.00
6.049	6.049 (1.252)	98	1073537			0.00- 99.36	49.11
6.049	6.049 (1.252)	55	1786196			32.31- 132.31	81.71
106 1,2-Dichloropropane					CAS #: 78-87-5		
6.178	6.178 (1.076)	63	1430089	100.000	95.711	50.00- 150.00	100.00
6.178	6.178 (1.076)	62	1013697			19.50- 119.50	70.88
6.178	6.178 (1.076)	41	860518			12.61- 112.61	60.17
107 1,4-Dioxane					CAS #: 123-91-1		
6.271	6.271 (1.092)	88	922110	100.000	99.524	50.00- 150.00	100.00
6.271	6.271 (1.092)	58	658498			22.28- 122.28	71.41
6.271	6.271 (1.092)	57	208602			0.00- 73.35	22.62
109 Bromodichloromethane					CAS #: 75-27-4		
6.407	6.407 (1.116)	83	2728392	100.000	99.514	50.00- 150.00	100.00
6.407	6.407 (1.116)	85	1750668			13.18- 113.18	64.16
112 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
6.794	6.794 (1.183)	75	2169944	100.000	98.097	50.00- 150.00	100.00
6.794	6.794 (1.183)	77	688810			0.00- 81.33	31.74
6.794	6.794 (1.183)	39	1223780			7.75- 107.75	56.40
114 4-Methyl-2-pentanone					CAS #: 108-10-1		
6.908	6.908 (1.203)	58	1255491	100.000	99.382	50.00- 150.00	100.00
6.908	6.908 (1.203)	43	3439173			229.92- 329.92	273.93
6.908	6.908 (1.203)	85	528266			0.00- 92.97	42.08
116 Toluene					CAS #: 108-88-3		
7.037	7.037 (1.226)	91	4381621	100.000	97.597	50.00- 150.00	100.00
7.037	7.037 (1.226)	92	2628512			10.41- 110.41	59.99
123 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
7.281	7.281 (0.886)	75	2278945	100.000	100.72	50.00- 150.00	100.00
7.281	7.281 (0.886)	77	737973			0.00- 82.90	32.38
7.281	7.281 (0.886)	39	1213602			5.93- 105.93	53.25
128 1,1,2-Trichloroethane					CAS #: 79-00-5		
7.438	7.438 (0.905)	97	1514236	100.000	95.465	50.00- 150.00	100.00
7.438	7.438 (0.905)	99	948429			12.18- 112.18	62.63
7.438	7.438 (0.905)	83	1327883			36.73- 136.73	87.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
131 Tetrachloroethene					CAS #: 127-18-4		
7.474	7.474 (0.909)	166	2047418	100.000	99.724	50.00- 150.00	100.00
7.474	7.474 (0.909)	129	1564199			28.04- 128.04	76.40
7.474	7.474 (0.909)	131	1489098			22.71- 122.71	72.73
135 2-Hexanone					CAS #: 591-78-6		
7.610	7.610 (0.926)	58	1708275	100.000	98.472	50.00- 150.00	100.00
7.610	7.610 (0.926)	43	3376231			147.09- 247.09	197.64
7.610	7.610 (0.926)	100	358753			0.00- 70.49	21.00
138 Dibromochloromethane					CAS #: 124-48-1		
7.746	7.746 (0.942)	129	2608733	100.000	102.62	50.00- 150.00	100.00
7.746	7.746 (0.942)	127	2010072			27.79- 127.79	77.05
140 1,2-Dibromoethane					CAS #: 106-93-4		
7.861	7.861 (0.956)	107	2324592	100.000	98.141	50.00- 150.00	100.00
7.861	7.861 (0.956)	109	2210613			45.62- 145.62	95.10
145 Chlorobenzene					CAS #: 108-90-7		
8.248	8.248 (1.003)	112	3461245	100.000	98.573	50.00- 150.00	100.00
8.248	8.248 (1.003)	114	1126630			0.00- 82.30	32.55
8.240	8.240 (1.003)	77	2026253			21.61- 121.61	58.54
147 Ethyl Benzene					CAS #: 100-41-4		
8.298	8.298 (1.010)	106	1797532	100.000	97.705	50.00- 150.00	100.00
8.298	8.298 (1.010)	91	5351499			253.16- 353.16	297.71
150 m,p-Xylene					CAS #: 108-38-3		
8.398	8.398 (1.022)	106	2253002	100.000	100.09	50.00- 150.00	100.00
8.398	8.398 (1.022)	91	4328570			149.33- 249.33	192.12
153 o-Xylene					CAS #: 95-47-6		
8.742	8.742 (1.064)	106	2125857	100.000	103.61	50.00- 150.00	100.00
8.742	8.742 (1.064)	91	4300406			156.46- 256.46	202.29
154 Styrene					CAS #: 100-42-5		
8.763	8.763 (1.066)	104	3487562	100.000	103.36	50.00- 150.00	100.00
8.763	8.763 (1.066)	78	1738275			1.45- 101.45	49.84
155 Bromoform					CAS #: 75-25-2		
8.957	8.957 (1.090)	173	2330029	100.000	108.88	50.00- 150.00	100.00
8.957	8.957 (1.090)	171	1211137			2.03- 102.03	51.98
156 Cumene					CAS #: 98-82-8		
9.036	9.036 (1.099)	105	5761666	100.000	99.866	50.00- 150.00	100.00
9.036	9.036 (1.099)	120	1701093			0.00- 78.61	29.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 Cumene (continued)							
9.036	9.036 (1.099)	51	591730			0.00- 61.59	10.27
161 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
9.351	9.351 (1.138)	83	3150575	100.000	103.60	50.00- 150.00	100.00
9.351	9.351 (1.138)	85	2069721			13.91- 113.91	65.69
162 Propylbenzene					CAS #: 103-65-1		
9.379	9.379 (1.141)	91	6848211	100.000	103.11	50.00- 150.00	100.00(A)
9.387	9.387 (1.142)	120	1719412			0.00- 73.78	25.11
9.379	9.379 (1.141)	105	269045			0.00- 53.86	3.93
163 4-Ethyltoluene					CAS #: 622-96-8		
9.480	9.480 (1.153)	120	1944695	100.000	103.44	50.00- 150.00	100.00
9.480	9.480 (1.153)	105	5991583			258.07- 358.07	308.10
166 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
9.530	9.530 (1.159)	120	2551497	100.000	105.02	50.00- 150.00	100.00
9.530	9.530 (1.159)	105	4728613			144.84- 244.84	185.33
166 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
9.852	9.852 (1.199)	120	2331267	100.000	102.61	50.00- 150.00	100.00(A)
9.852	9.852 (1.199)	105	4687220			155.69- 255.69	201.06
168 1,3-Dichlorobenzene					CAS #: 541-73-1		
10.132	10.132 (1.233)	146	3200101	100.000	97.314	50.00- 150.00	100.00
10.132	10.132 (1.233)	148	2084979			13.04- 113.04	65.15
10.132	10.132 (1.233)	111	1332912			0.00- 90.17	41.65
169 1,4-Dichlorobenzene					CAS #: 106-46-7		
10.210	10.210 (1.242)	146	3262836	100.000	101.09	50.00- 150.00	100.00
10.210	10.210 (1.242)	148	2136275			14.53- 114.53	65.47
10.210	10.210 (1.242)	111	1309529			0.00- 90.65	40.13
170 alpha-Chlorotoluene					CAS #: 100-44-7		
10.332	10.332 (1.257)	91	4802617	100.000	105.46	50.00- 150.00	100.00
10.332	10.332 (1.257)	126	1088954			0.00- 71.45	22.67
171 1,2-Dichlorobenzene					CAS #: 95-50-1		
10.540	10.540 (1.282)	146	2964222	100.000	102.33	50.00- 150.00	100.00
10.540	10.540 (1.282)	148	1933928			14.08- 114.08	65.24
10.540	10.540 (1.282)	111	1283115			0.00- 94.71	43.29
174 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
11.908	11.908 (1.449)	180	2397574	100.000	105.63	50.00- 150.00	100.00
11.908	11.908 (1.449)	182	2283925			45.73- 145.73	95.26

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
175 Hexachlorobutadiene					CAS #: 87-68-3		
11.994	11.994 (1.459)	225	1542165	100.000	106.43	50.00- 150.00	100.00
11.994	11.994 (1.459)	223	976078			17.13- 117.13	63.29
176 Naphthalene					CAS #: 91-20-3		
12.151	12.151 (1.478)	128	1126125	10.0000	10.859	50.00- 150.00	100.00
12.151	12.151 (1.478)	127	140663			0.00- 62.50	12.49

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: msd3.i
Lab File ID: 3052007.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: acb
Method File: /chem/msd3.i/20may10.b/310q0520a.m
Misc Info: 100ppbv(200ppbv)

Calibration Date: 20-MAY-2010
Calibration Time: 12:56
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	258882	155329	362435	263497	1.78
97 1,4-Difluorobenze	984625	590775	1378475	1000550	1.62
144 Chlorobenzene-d5	859874	515924	1203824	879349	2.26

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
76 Bromochloromethan	4.85	4.52	5.18	4.83	-0.44
97 1,4-Difluorobenze	5.76	5.43	6.09	5.74	-0.37
144 Chlorobenzene-d5	8.23	7.90	8.56	8.22	-0.09

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/msd3.i/20may10.b/3052007.d
Date : 20-MAY-2010 13:19
Client ID: Level 6
Sample Info: 100ml #1936-182
Column phase: RTx-624

Instrument: msd3.i
Operator: acb
Column diameter: 0.53

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd3.i/21may10.b/3052104.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 21-MAY-2010 17:00
Operator : smd Inst ID: msd3.i
Smp Info : 200mL #1936-144
Misc Info : 200ppbv(200pbv)
Comment :
Method : /chem/msd3.i/21may10.b/310q0520a.m
Meth Date : 21-May-2010 17:16 sdisher Quant Type: ISTD
Cal Date : 21-MAY-2010 17:00 Cal File: 3052104.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spAER.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
* 76 Bromochloromethane					CAS #: 74-97-5		
4.852	4.852 (1.000)	130	288234	25.0000		50.00- 150.00	100.00
4.852	4.852 (1.000)	128	224181			28.10- 128.10	77.78
4.845	4.845 (1.000)	49	366118			81.21- 181.21	127.02
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
5.762	5.762 (1.000)	114	1079972	25.0000		50.00- 150.00	100.00
5.762	5.762 (1.000)	88	169274			0.00- 66.01	15.67
* 144 Chlorobenzene-d5					CAS #: 3114-55-4		
8.241	8.241 (1.000)	117	911962	25.0000		50.00- 150.00	100.00
8.241	8.241 (1.000)	82	502931			6.08- 106.08	55.15
17 Freon 143a					CAS #: 420-46-2		
1.241	1.241 (0.256)	65	688365	200.000	211.40	50.00- 150.00	100.00(A)
1.255	1.255 (0.259)	69	3480620			262.44- 362.44	505.64
1.241	1.241 (0.256)	64	184661			47.07- 147.07	26.83
4 Freon 134a					CAS #: 811-97-2		
1.283	1.283 (0.264)	83	1683797	200.000	211.96	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
4 Freon 134a (continued)							
1.255	1.255 (0.259)	69	3479808			95.12- 195.12	206.66
1.283	1.283 (0.264)	63	229065			0.00- 64.27	13.60
5 Freon 152a					CAS #: 75-37-6		
1.325	1.325 (0.273)	65	1012906	200.000	206.49	50.00- 150.00	100.00(A)
1.367	1.367 (0.282)	51	4887435			327.13- 427.13	482.52
1.325	1.325 (0.273)	47	467745			0.00- 96.90	46.18
9 Freon 22					CAS #: 75-45-6		
1.367	1.367 (0.282)	67	458626	200.000	199.40	50.00- 150.00	100.00
1.367	1.367 (0.282)	51	4887435			782.59- 882.59	1065.67
1.367	1.367 (0.282)	85	51487			0.00- 81.04	11.23
16 Freon142b					CAS #: 75-68-3		
1.465	1.465 (0.302)	65	3767874	200.000	206.82	50.00- 150.00	100.00(A)
1.465	1.465 (0.302)	45	898651			0.00- 77.12	23.85
45 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
2.159	2.159 (0.445)	67	4890201	200.000	207.77	50.00- 150.00	100.00(A)
2.159	2.159 (0.445)	69	1623528			0.00- 83.83	33.20
2.159	2.159 (0.445)	35	193638			0.00- 51.12	3.96
53 Freon123a					CAS #: 354-23-4		
2.517	2.517 (0.519)	117	3842779	200.000	213.61	50.00- 150.00	100.00(A)
2.510	2.510 (0.517)	67	4854101			79.00- 179.00	126.32
54 Freon123					CAS #: 306-83-2		
2.589	2.589 (0.534)	83	5481526	200.000	211.44	50.00- 150.00	100.00(A)
2.589	2.589 (0.534)	133	1183827			0.00- 71.56	21.60
2.589	2.589 (0.534)	85	3733714			17.30- 117.30	68.11
62 Cyclopentene					CAS #: 142-29-0		
3.148	3.148 (0.649)	67	4590959	200.000	213.71	50.00- 150.00	100.00(A)
3.148	3.148 (0.649)	68	1870719			0.00- 92.01	40.75
3.148	3.148 (0.649)	53	903694			0.00- 70.53	19.68
63 1-Propanol					CAS #: 71-23-8		
4.150	4.150 (0.855)	59	550981	200.000	208.21	50.00- 150.00	100.00(A)
4.150	4.150 (0.855)	42	501952			41.42- 141.42	91.10
4.150	4.150 (0.855)	41	305763			3.24- 103.24	55.49
83 2,2-Dichloropropane					CAS #: 594-20-7		
4.580	4.580 (0.944)	77	4701046	200.000	215.50	50.00- 150.00	100.00(A)
4.580	4.580 (0.944)	79	1533520			0.00- 81.94	32.62
4.580	4.580 (0.944)	97	970800			0.00- 71.79	20.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
90 Isobutanol					CAS #: 78-83-1		
5.340	5.340 (1.100)	41	1936402	200.000	207.82	50.00- 150.00	100.00(A)
5.340	5.340 (1.100)	43	2702417			85.37- 185.37	139.56
5.340	5.340 (1.100)	59	83049			0.00- 54.25	4.29
91 1,1-Dichloropropene					CAS #: 563-58-6		
5.196	5.196 (0.902)	110	1665528	200.000	213.74	50.00- 150.00	100.00(A)
5.196	5.196 (0.902)	75	4408320			223.61- 323.61	264.68
96 1-Butanol					CAS #: 71-36-3		
5.927	5.927 (1.029)	56	2402621	200.000	210.30	50.00- 150.00	100.00(A)
5.927	5.927 (1.029)	41	1809764			27.33- 127.33	75.32
5.927	5.927 (1.029)	43	1420837			13.08- 113.08	59.14
108 1,3-Dichloropropane					CAS #: 142-28-9		
7.603	7.603 (1.319)	76	5198430	200.000	214.52	50.00- 150.00	100.00(A)
7.603	7.603 (1.319)	41	3655020			22.47- 122.47	70.31
7.603	7.603 (1.319)	78	1728857			0.00- 83.17	33.26
110 Butyl Acetate					CAS #: 123-86-4		
7.696	7.696 (1.336)	56	3935686	200.000	202.34	50.00- 150.00	100.00(A)
7.696	7.696 (1.336)	73	1616972			0.00- 88.79	41.08
7.696	7.696 (1.336)	43	9137277			188.65- 288.65	232.16
126 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
8.334	8.334 (1.011)	131	3863816	200.000	216.93	50.00- 150.00	100.00(A)
8.334	8.334 (1.011)	117	2767962			26.07- 126.07	71.64
8.334	8.334 (1.011)	95	1406453			0.00- 88.41	36.40
113 2-Heptanone					CAS #: 110-43-0		
8.864	8.864 (1.827)	58	5750938	200.000	218.16	50.00- 150.00	100.00(A)
8.864	8.864 (1.827)	43	8865939			114.09- 214.09	154.17
117 Cyclohexanone					CAS #: 108-94-1		
9.208	9.208 (1.117)	55	3536346	200.000	202.37	50.00- 150.00	100.00(A)
9.208	9.208 (1.117)	98	1616686			0.00- 93.53	45.72
9.208	9.208 (1.117)	42	2596637			23.06- 123.06	73.43
118 Bromobenzene					CAS #: 108-86-1		
9.365	9.365 (1.136)	156	4356888	200.000	227.24	50.00- 150.00	100.00(A)
9.365	9.365 (1.136)	158	4268163			46.95- 146.95	97.96
9.365	9.365 (1.136)	77	6566930			120.11- 220.11	150.73
120 1,2,3-Trichloropropane					CAS #: 96-18-4		
9.422	9.422 (1.143)	110	2028792	200.000	224.38	50.00- 150.00	100.00(A)
9.422	9.422 (1.143)	75	5126607			215.99- 315.99	252.69

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
120 1,2,3-Trichloropropane (continued)							
9.422	9.422 (1.143)	61	1335598			20.13- 120.13	65.83
121 2-Chlorotoluene					CAS #: 95-49-8		
9.508	9.508 (1.154)	126	3411657	200.000	224.11	50.00- 150.00	100.00(A)
9.508	9.508 (1.154)	91	8809355			240.86- 340.86	258.21
9.508	9.508 (1.154)	65	858066			0.00- 79.68	25.15
122 4-Chlorotoluene					CAS #: 106-43-4		
9.609	9.609 (1.166)	126	3555631	200.000	228.60	50.00- 150.00	100.00(A)
9.609	9.609 (1.166)	91	9151266			233.55- 333.55	257.37
9.609	9.609 (1.166)	63	1164325			0.00- 86.82	32.75
124 Diisobutyl Ketone					CAS #: 108-83-8		
9.652	9.652 (1.171)	57	8573490	200.000	214.22	50.00- 150.00	100.00(A)
9.652	9.652 (1.171)	85	7787328			36.63- 136.63	90.83
125 tert-Butylbenzene					CAS #: 98-06-6		
9.824	9.824 (1.192)	119	10179978	200.000	215.54	50.00- 150.00	100.00(A)
9.824	9.824 (1.192)	134	2984513			0.00- 75.31	29.32
9.816	9.816 (1.191)	91	6764892			14.28- 114.28	66.45
127 Pentachloroethane					CAS #: 76-01-7		
9.881	9.881 (1.199)	167	3214768	200.000	235.35	50.00- 150.00	100.00(A)
9.881	9.881 (1.199)	117	3309861			58.24- 158.24	102.96
9.881	9.881 (1.199)	169	1564102			0.00- 97.17	48.65
129 sec-Butylbenzene					CAS #: 135-98-8		
10.010	10.010 (1.215)	134	3380841	200.000	226.00	50.00- 150.00	100.00(A)
10.003	10.003 (1.214)	105	13363915			418.46- 518.46	395.28
10.003	10.003 (1.214)	91	2323975			30.52- 130.52	68.74
132 p-Cymene					CAS #: 99-87-6		
10.124	10.124 (1.229)	119	11725046	200.000	191.35	50.00- 150.00	100.00
10.124	10.124 (1.229)	134	3723847			0.00- 73.22	31.76
10.124	10.124 (1.229)	91	2907532			0.00- 73.01	24.80
133 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
10.239	10.239 (1.243)	120	5160611	200.000	219.39	50.00- 150.00	100.00(A)
10.239	10.239 (1.243)	105	10351920			163.65- 263.65	200.59
10.239	10.239 (1.243)	77	1387591			0.00- 84.74	26.89
136 Butylbenzene					CAS #: 104-51-8		
10.468	10.468 (1.270)	134	3656856	200.000	240.08	50.00- 150.00	100.00(A)
10.468	10.468 (1.270)	91	11308110			345.14- 445.14	309.23
10.468	10.468 (1.270)	92	6927556			161.10- 261.10	189.44

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
141 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
11.242	11.242 (1.364)	157	3976379	200.000	256.52	50.00- 150.00	100.00(A)
11.235	11.235 (1.363)	75	3445232			45.16- 145.16	86.64
11.242	11.242 (1.364)	155	3095620			29.79- 129.79	77.85

QC Flag Legend

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