eCVP

Electronic Comprehensive Validation Package

WO# 0703272

Air Toxics Ltd.

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0703272

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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	3/28/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0703272

Work Order Summary

CLIENT:	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033	**BILL TO:**	Mr. Brian McCarthy GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 Bayshore OU1 S Cell IRM Air Monitoring
DATE RECEIVED:	03/12/2007	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	03/23/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	AMS4-UW	Modified TO-15	4.0 "Hg
02A	AMS2-DW	Modified TO-15	3.5 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 03/23/07

Laboratory Director

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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0703272

One 6 Liter Summa Canister (100% Certified) and one 6 Liter Summa Canister samples were received on March 12, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction 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
AMS4-UW	0703272-01A	3/ 8/2007	3/12/2007	NA	13	3/21/2007	NA	Good
AMS2-DW	0703272-02A	3/ 8/2007	3/12/2007	NA	13	3/21/2007	NA	Good
Lab Blank	0703272-03A	NA	NA	NA	NA	3/20/2007	NA	Good
CCV	0703272-04A	NA	NA	NA	NA	3/20/2007	NA	Good
LCS	0703272-05A	NA	NA	NA	NA	3/20/2007	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS4-UW

Lab ID#: 0703272-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.1	25	7.4	60
2-Butanone (Methyl Ethyl Ketone)	0.78	7.6	2.3	22
Ethanol	3.1	3.6	5.8	6.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS4-UW

Lab ID#: 0703272-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032025**	**Date of Collection: 3/8/07**	
Dil. Factor:	**1.55**	**Date of Analysis: 3/21/07 04:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.78	Not Detected	3.8	Not Detected
Freon 114	0.78	Not Detected	5.4	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Bromomethane	0.78	Not Detected	3.0	Not Detected
Chloroethane	0.78	Not Detected	2.0	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	0.78	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
Toluene	0.78	Not Detected	2.9	Not Detected
trans-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	0.78	Not Detected	3.4	Not Detected
o-Xylene	0.78	Not Detected	3.4	Not Detected
Styrene	0.78	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Hexane	0.78	Not Detected	2.7	Not Detected
Cyclohexane	0.78	Not Detected	2.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS4-UW

Lab ID#: 0703272-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032025**	**Date of Collection: 3/8/07**	
Dil. Factor:	**1.55**	**Date of Analysis: 3/21/07 04:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.78	Not Detected	3.2	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
Chloromethane	3.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected
Acetone	3.1	25	7.4	60
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
2-Propanol	3.1	Not Detected	7.6	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	7.6	2.3	22
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
2-Hexanone	3.1	Not Detected	13	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
4-Ethyltoluene	0.78	Not Detected	3.8	Not Detected
Ethanol	3.1	3.6	5.8	6.7
Methyl tert-butyl ether	0.78	Not Detected	2.8	Not Detected
3-Chloropropene	3.1	Not Detected	9.7	Not Detected
2,2,4-Trimethylpentane	0.78	Not Detected	3.6	Not Detected
Naphthalene	3.1	Not Detected	16	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/20Mar2007.b/t032025.d
Lab Smp Id: 0703272-01A
Inj Date : 21-MAR-2007 04:45
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #35996
Misc Info : 4.0"Hg ->5psi
Comment :
Method : /chem/msdt.i/20Mar2007.b/t14q306b.m
Meth Date : 21-Mar-2007 17:30 lrandolp Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1
Dil Factor: 1.55000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.024 (1.000)	130	269080	25.0000		80.00- 120.00	100.00
14.052	14.024 (1.000)	128	211305			28.72- 128.72	78.53
14.024	14.024 (1.000)	49	656572			317.87- 417.87	244.01
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1002825	25.0000		80.00- 120.00	100.00
15.793	15.793 (1.000)	88	190381			0.00- 68.45	18.98
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	813404	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	541194			15.81- 115.81	66.53
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.102 (1.077)	65	578353	26.9184	26.918	80.00- 120.00	100.00
15.130	15.102 (1.077)	67	266770			2.09- 102.09	46.13
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1011606	24.7310	24.731	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	134584			0.00- 63.13	13.30

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	718949			21.11- 121.11	71.07
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	358717	24.1333	24.133	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	604410			114.96- 214.96	168.49
23.010	23.010 (1.095)	176	344899			47.50- 147.50	96.15
38 Ethanol					CAS #: 64-17-5		
9.268	9.241 (0.660)	45	23906	2.31070	3.582	80.00- 120.00	100.00
9.351	9.241 (0.665)	43	6186			0.00- 72.89	25.88
9.351	9.241 (0.665)	46	7730			0.00- 87.99	32.34
45 Acetone					CAS #: 67-64-1		
10.264	10.236 (0.730)	58	238287	16.2173	25.137	80.00- 120.00	100.00
10.264	10.236 (0.730)	43	796092			279.16- 379.16	334.09
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.963)	72	52051	4.92914	7.640	80.00- 120.00	100.00
13.526	13.526 (0.963)	43	300389			531.98- 631.98	577.10
13.526	13.526 (0.963)	57	25366			0.00- 98.33	48.73

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t032025.d
Lab Smp Id: 0703272-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 4.0"Hg ->5psi

Calibration Date: 20-MAR-2007
Calibration Time: 08:35
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	286330	171798	400862	269080	-6.02
97 1,4-Difluorobenze	1066447	639868	1493026	1002825	-5.97
126 Chlorobenzene-d5	899436	539662	1259210	813404	-9.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.05	0.20
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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: 23-Mar-2007 15:48

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 20Mar2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703272-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 4.0"Hg ->5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.918	107.67	70-130
$ 113 Toluene-d8	25.000	24.731	98.92	70-130
$ 137 Bromofluorobenzene	25.000	24.133	96.53	70-130

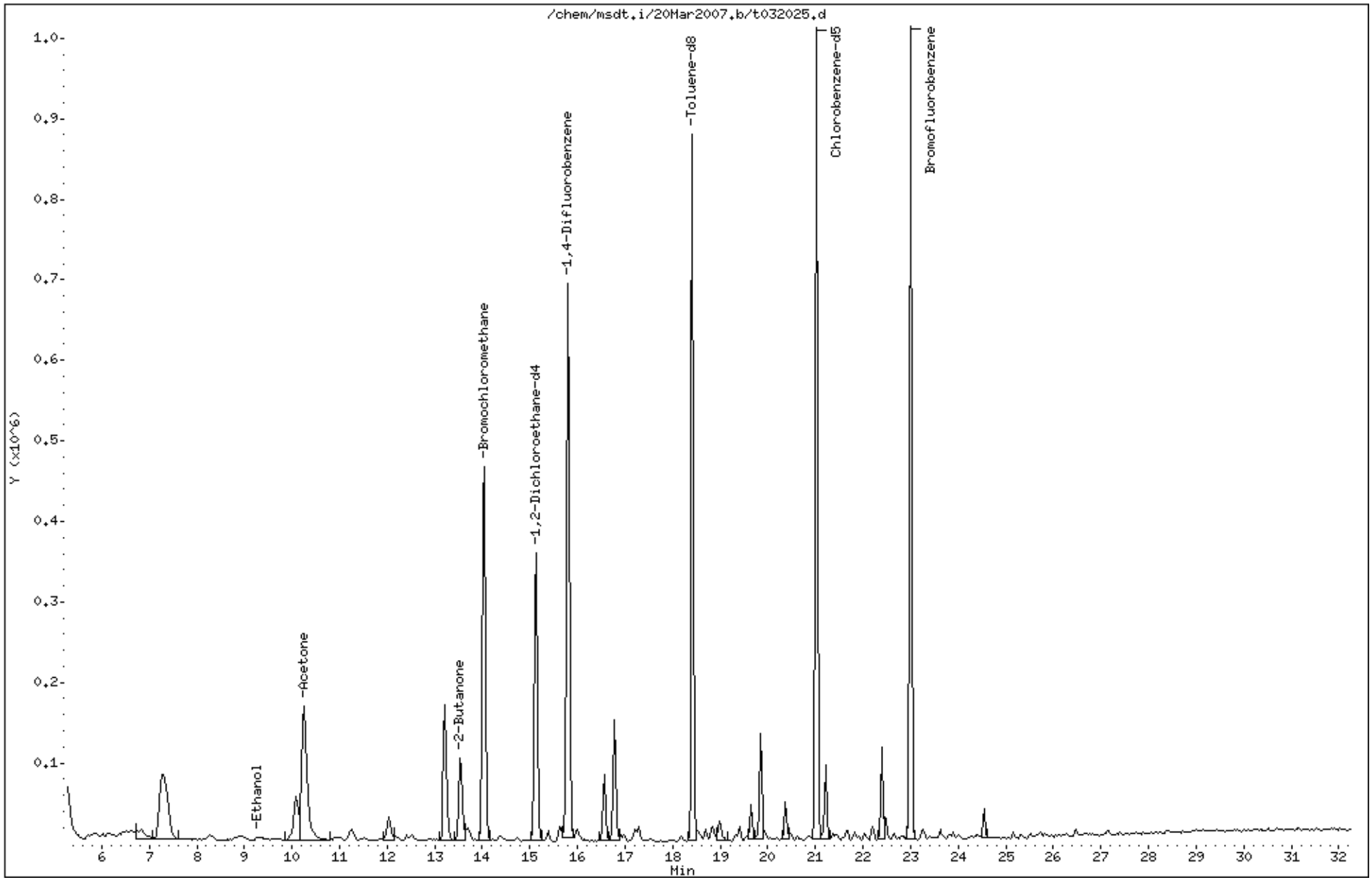
0013

Data File: /chem/msdt.i/20Mar2007.b/t032025.d
Date : 21-MAR-2007 04:45
Client ID:
Sample Info: 200mL #35996

Instrument: msdt.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msdt.i/20Mar2007.b/t032025.d

Date : 21-MAR-2007 04:45

Client ID:

Instrument: msdt.i

Sample Info: 200mL #35996

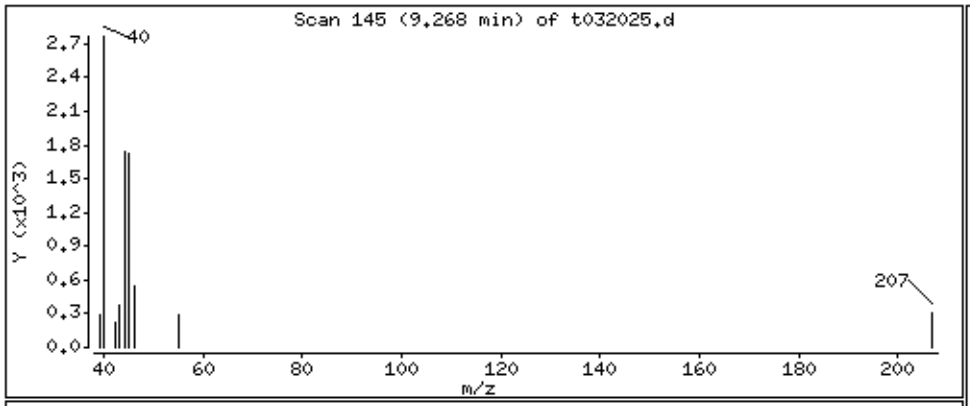
Operator: ab

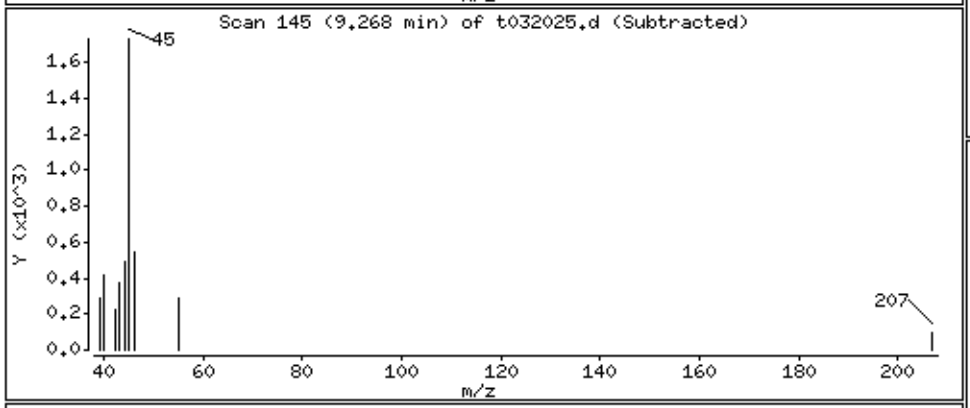
Column phase: RTx-624

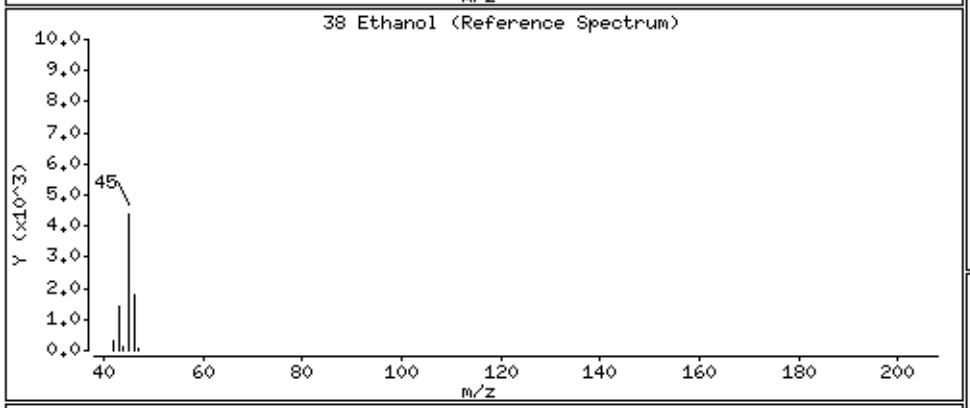
Column diameter: 0.53

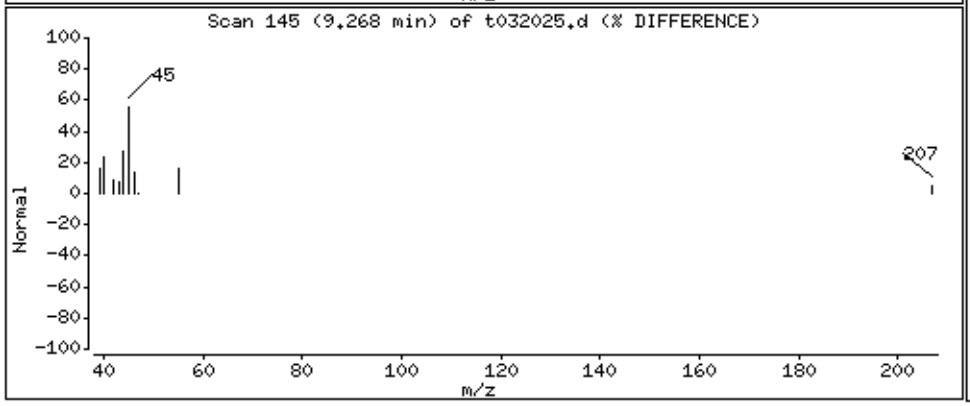
38 Ethanol

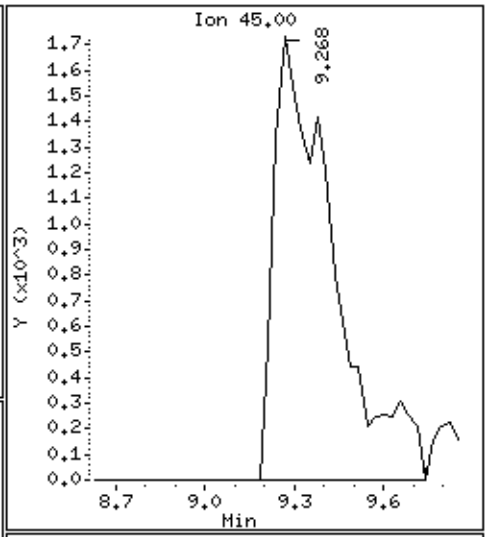
Concentration: 3.582 PPBV

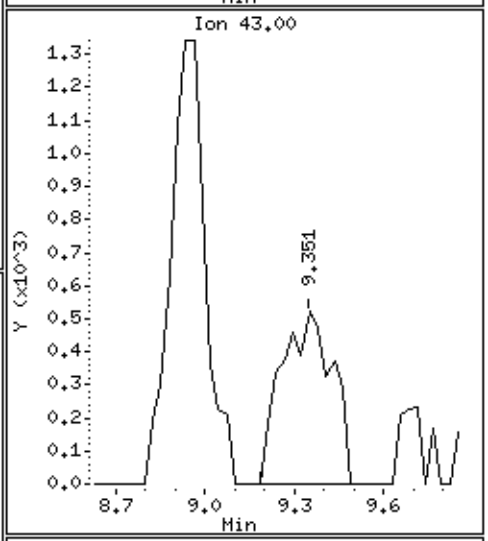


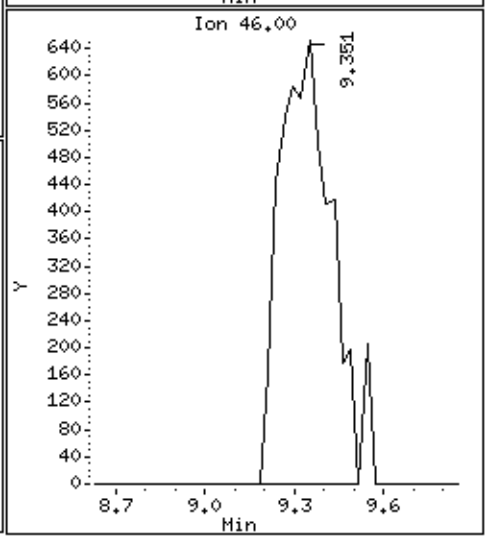












Data File: /chem/msdt.i/20Mar2007.b/t032025.d

Date : 21-MAR-2007 04:45

Client ID:

Instrument: msdt.i

Sample Info: 200mL #35996

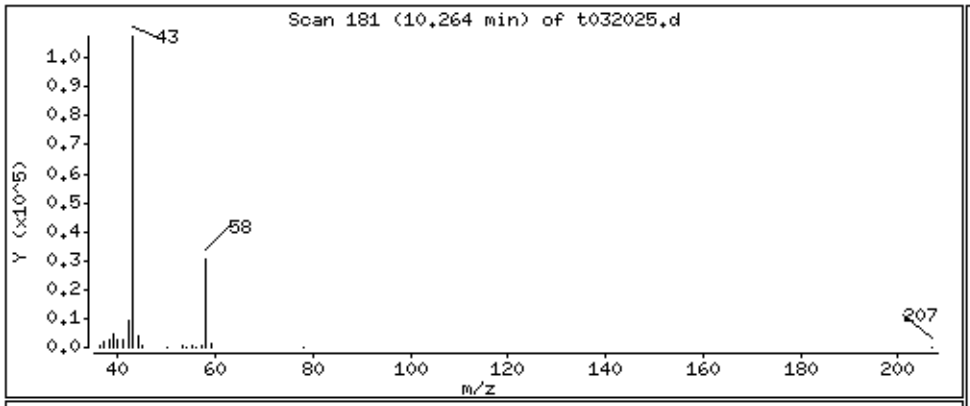
Operator: ab

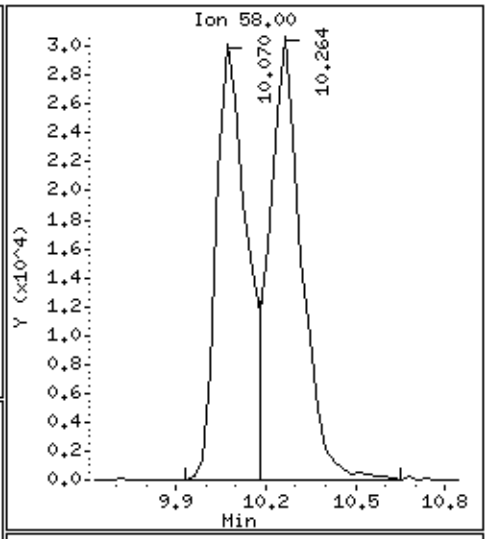
Column phase: RTx-624

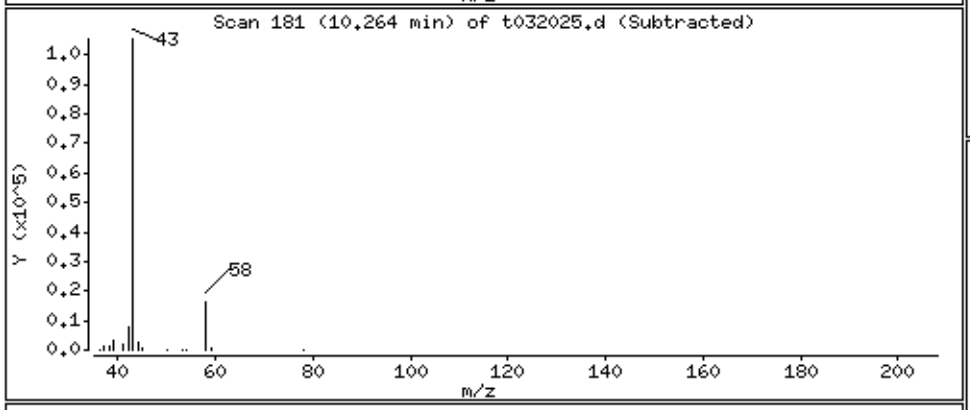
Column diameter: 0.53

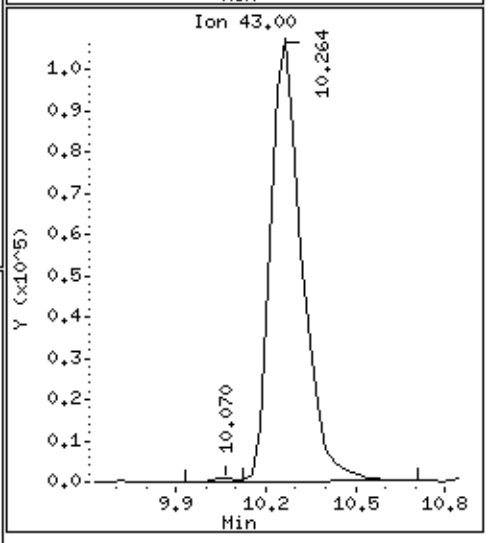
45 Acetone

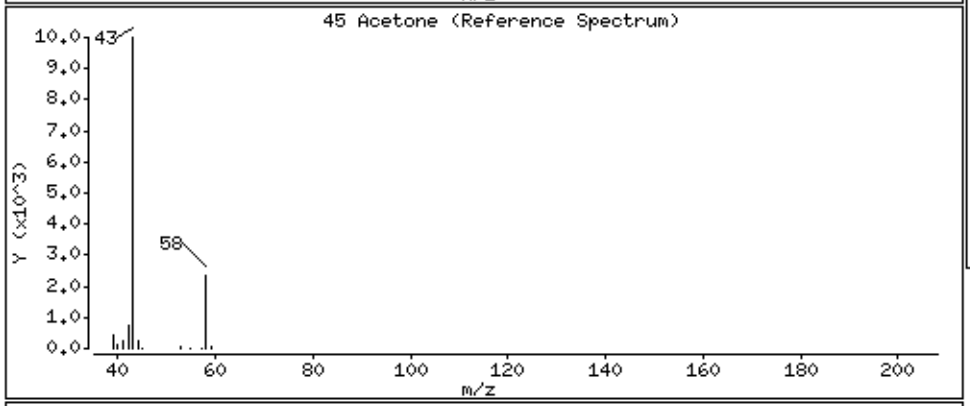
Concentration: 25.137 PPBV

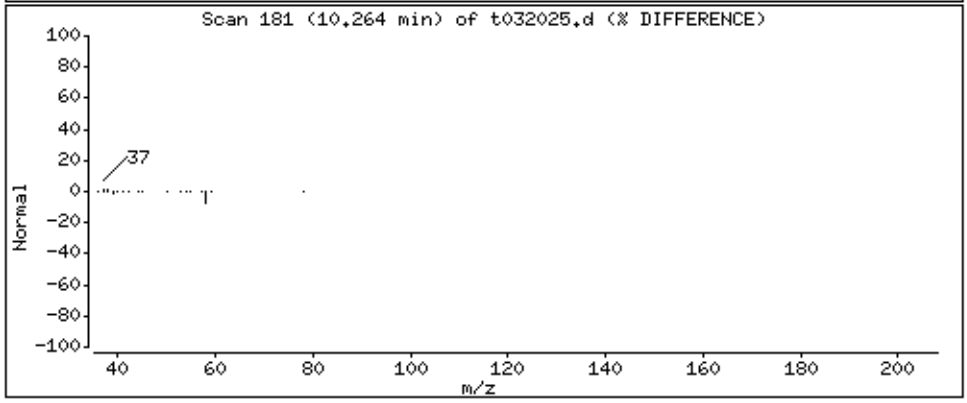












Data File: /chem/msdt.i/20Mar2007.b/t032025.d

Date : 21-MAR-2007 04:45

Client ID:

Instrument: msdt.i

Sample Info: 200mL #35996

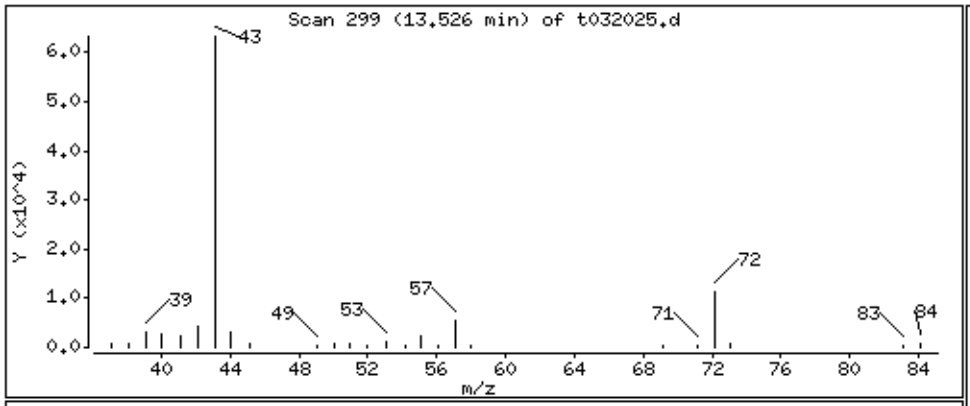
Operator: ab

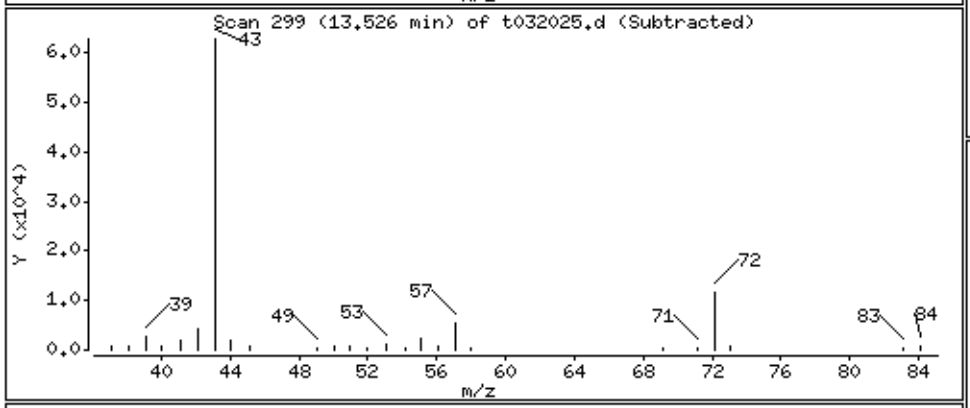
Column phase: RTx-624

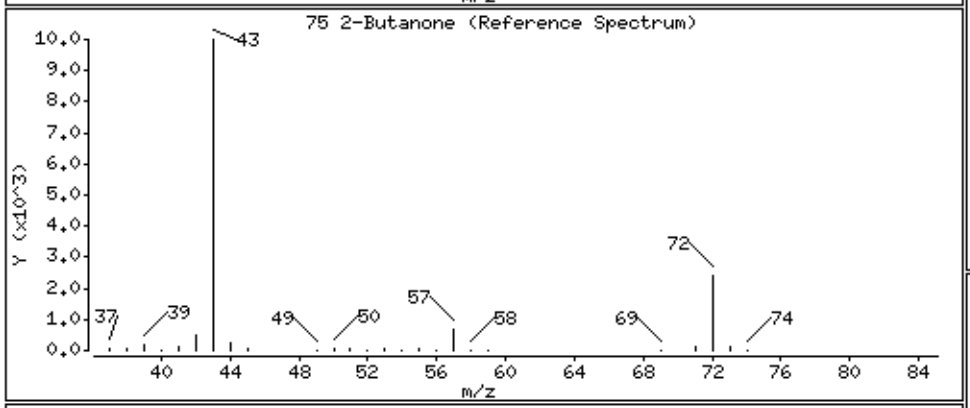
Column diameter: 0.53

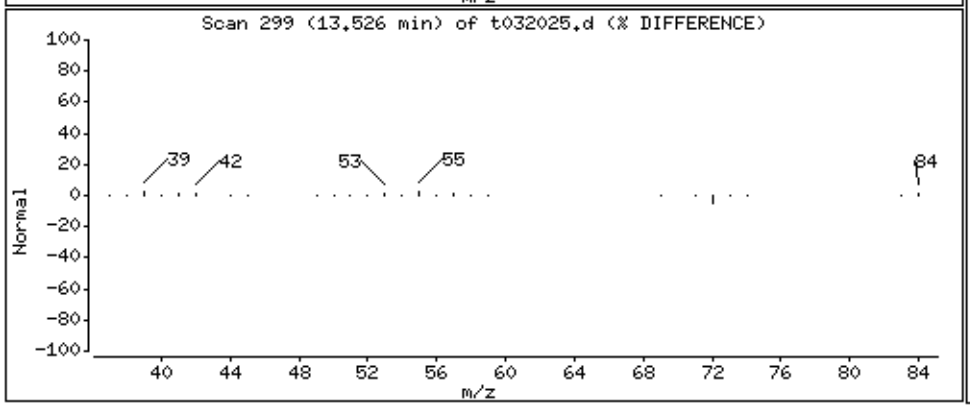
75 2-Butanone

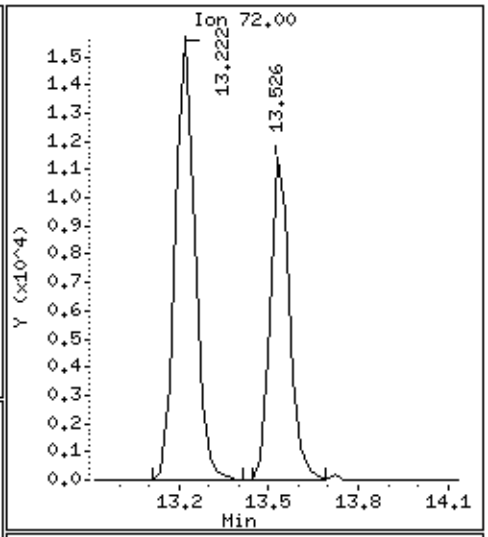
Concentration: 7.640 PPBV

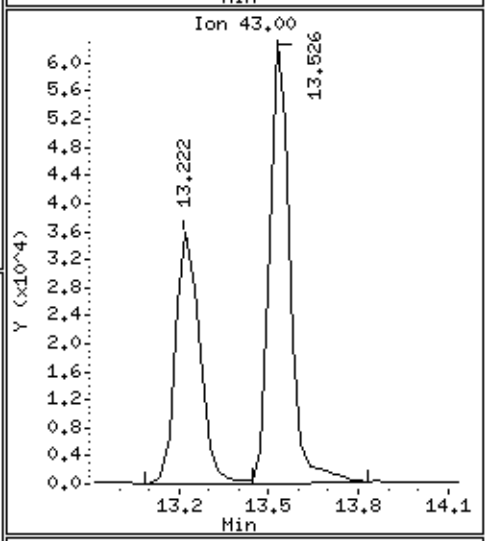


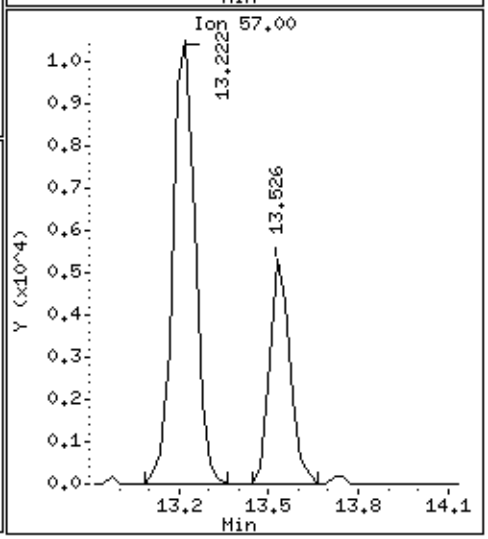












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS2-DW

Lab ID#: 0703272-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.76	0.93	2.9	3.5
m,p-Xylene	0.76	1.2	3.3	5.1
Acetone	3.0	9.2	7.2	22
Carbon Disulfide	0.76	0.81	2.4	2.5
2-Propanol	3.0	4.1	7.5	10
2-Butanone (Methyl Ethyl Ketone)	0.76	0.91	2.2	2.7

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS2-DW

Lab ID#: 0703272-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032026**	**Date of Collection: 3/8/07**	
Dil. Factor:	**1.52**	**Date of Analysis: 3/21/07 05:25 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Freon 114	0.76	Not Detected	5.3	Not Detected
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Bromomethane	0.76	Not Detected	3.0	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Freon 113	0.76	Not Detected	5.8	Not Detected
Methylene Chloride	0.76	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
Benzene	0.76	Not Detected	2.4	Not Detected
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
cis-1,3-Dichloropropene	0.76	Not Detected	3.4	Not Detected
Toluene	0.76	0.93	2.9	3.5
trans-1,3-Dichloropropene	0.76	Not Detected	3.4	Not Detected
1,1,2-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.8	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	Not Detected	3.3	Not Detected
m,p-Xylene	0.76	1.2	3.3	5.1
o-Xylene	0.76	Not Detected	3.3	Not Detected
Styrene	0.76	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	0.76	Not Detected	3.7	Not Detected
1,2,4-Trimethylbenzene	0.76	Not Detected	3.7	Not Detected
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.76	Not Detected	3.9	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Hexane	0.76	Not Detected	2.7	Not Detected
Cyclohexane	0.76	Not Detected	2.6	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS2-DW

Lab ID#: 0703272-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032026**	**Date of Collection: 3/8/07**	
Dil. Factor:	**1.52**	**Date of Analysis: 3/21/07 05:25 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.76	Not Detected	3.1	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
Cumene	0.76	Not Detected	3.7	Not Detected
Propylbenzene	0.76	Not Detected	3.7	Not Detected
Chloromethane	3.0	Not Detected	6.3	Not Detected
1,2,4-Trichlorobenzene	3.0	Not Detected	22	Not Detected
Hexachlorobutadiene	3.0	Not Detected	32	Not Detected
Acetone	3.0	9.2	7.2	22
Carbon Disulfide	0.76	0.81	2.4	2.5
2-Propanol	3.0	4.1	7.5	10
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	0.91	2.2	2.7
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
1,4-Dioxane	3.0	Not Detected	11	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
2-Hexanone	3.0	Not Detected	12	Not Detected
Bromoform	0.76	Not Detected	7.8	Not Detected
4-Ethyltoluene	0.76	Not Detected	3.7	Not Detected
Ethanol	3.0	Not Detected	5.7	Not Detected
Methyl tert-butyl ether	0.76	Not Detected	2.7	Not Detected
3-Chloropropene	3.0	Not Detected	9.5	Not Detected
2,2,4-Trimethylpentane	0.76	Not Detected	3.6	Not Detected
Naphthalene	3.0	Not Detected	16	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/20Mar2007.b/t032026.d
Lab Smp Id: 0703272-02A
Inj Date : 21-MAR-2007 05:25
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #34348
Misc Info : 3.5"Hg ->5psi
Comment :
Method : /chem/msdt.i/20Mar2007.b/t14q306b.m
Meth Date : 21-Mar-2007 17:30 lrandolp Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1
Dil Factor: 1.52000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.024 (1.000)	130	264907	25.0000		80.00- 120.00	100.00
14.052	14.024 (1.000)	128	202397			28.72- 128.72	76.40
14.024	14.024 (1.000)	49	657718			317.87- 417.87	248.28
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.793 (1.000)	114	959882	25.0000		80.00- 120.00	100.00
15.794	15.793 (1.000)	88	179941			0.00- 68.45	18.75
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	761786	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	512252			15.81- 115.81	67.24
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.102 (1.077)	65	570095	26.9519	26.952	80.00- 120.00	100.00
15.130	15.102 (1.077)	67	266151			2.09- 102.09	46.69
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	964743	24.6404	24.640	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	127247			0.00- 63.13	13.19

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	684065			21.11- 121.11	70.91
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	340816	24.4826	24.482	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	580741			114.96- 214.96	170.40
23.010	23.010 (1.095)	176	322191			47.50- 147.50	94.54
45 Acetone					CAS #: 67-64-1		
10.264	10.236 (0.730)	58	88099	6.09028	9.257	80.00- 120.00	100.00
10.264	10.236 (0.730)	43	373094			279.16- 379.16	423.49
46 2-Propanol					CAS #: 67-63-0		
10.485	10.429 (0.746)	45	146652	2.72546	4.143	80.00- 120.00	100.00
10.264	10.429 (0.730)	43	373905			0.00- 73.03	254.96
10.485	10.429 (0.746)	59	5604			0.00- 53.87	3.82
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.623 (0.760)	76	36073	0.53280	0.8098	80.00- 120.00	100.00
75 2-Butanone					CAS #: 78-93-3		
13.554	13.526 (0.965)	72	6237	0.59994	0.9119	80.00- 120.00	100.00
13.526	13.526 (0.963)	43	42659			531.98- 631.98	683.88
13.526	13.526 (0.963)	57	2261			0.00- 98.33	36.25
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	33394	0.60956	0.9265	80.00- 120.00	100.00
18.531	18.531 (1.173)	92	20601			11.82- 111.82	61.69
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	21543	0.76872	1.168	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	43402			152.08- 252.08	201.46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t032026.d
Lab Smp Id: 0703272-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 3.5"Hg ->5psi

Calibration Date: 20-MAR-2007
Calibration Time: 08:35
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	286330	171798	400862	264907	-7.48
97 1,4-Difluorobenze	1066447	639868	1493026	959882	-9.99
126 Chlorobenzene-d5	899436	539662	1259210	761786	-15.30

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.05	0.20
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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: 23-Mar-2007 09:02

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 20Mar2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703272-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 3.5"Hg ->5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.952	107.81	70-130
$ 113 Toluene-d8	25.000	24.640	98.56	70-130
$ 137 Bromofluorobenzene	25.000	24.482	97.93	70-130

Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Sample Info: 200mL #34348

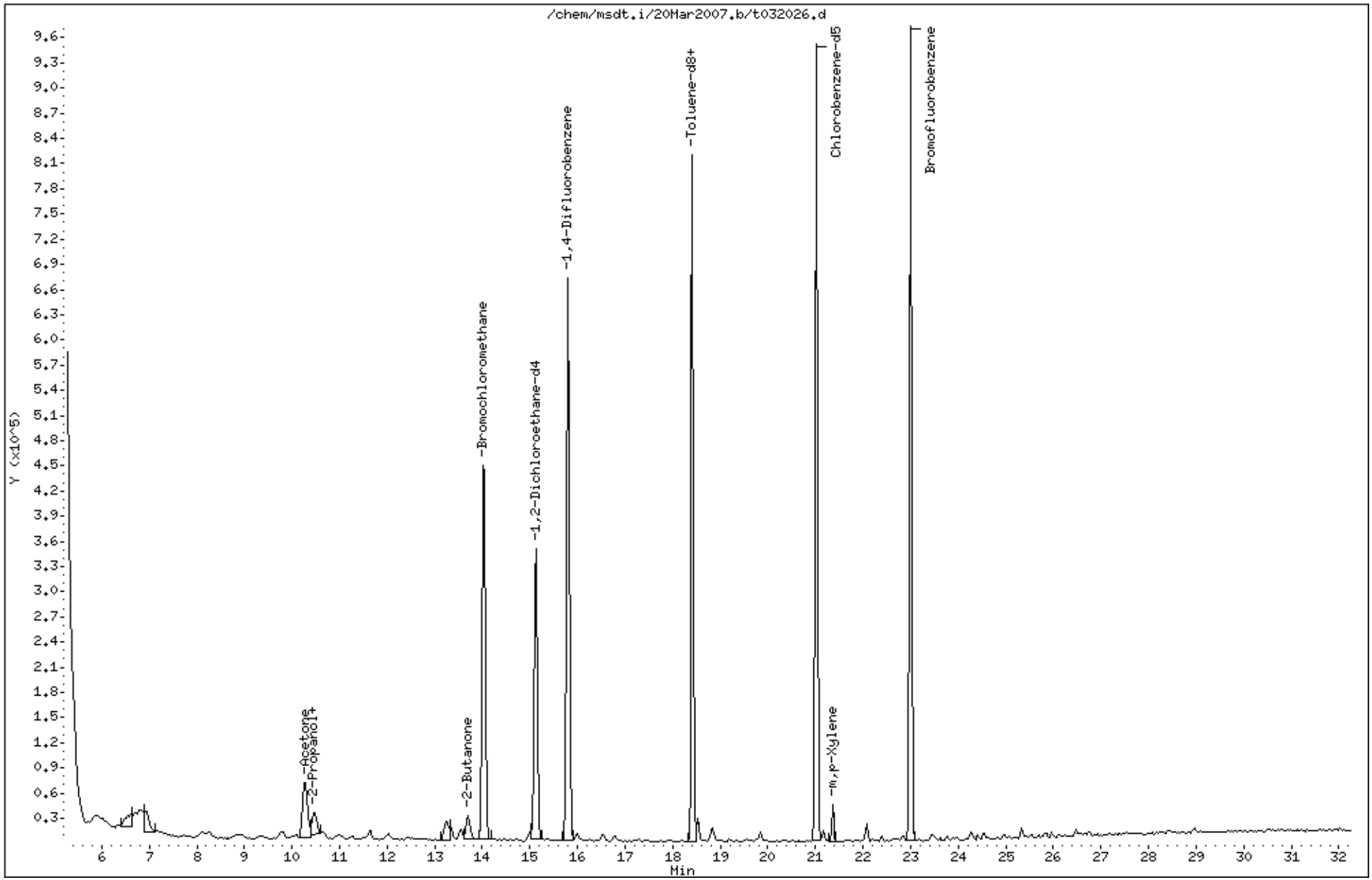
Column phase: RTx-624

Instrument: msdt.i

Operator: ab

Column diameter: 0.53

0024



Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

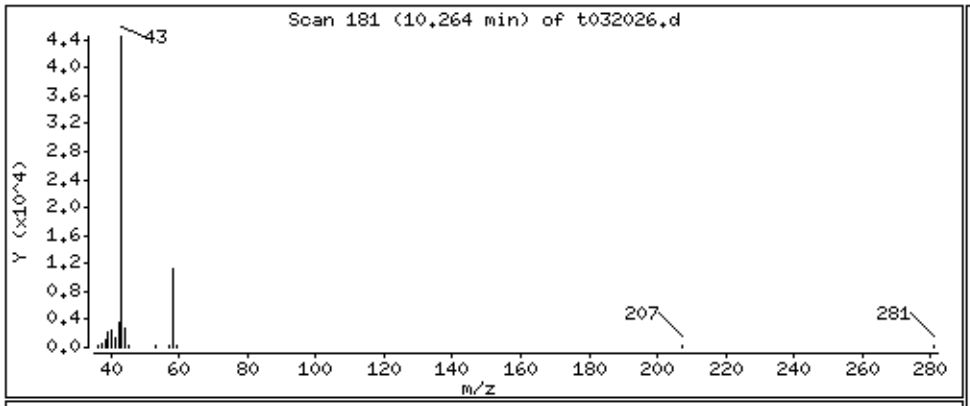
Operator: ab

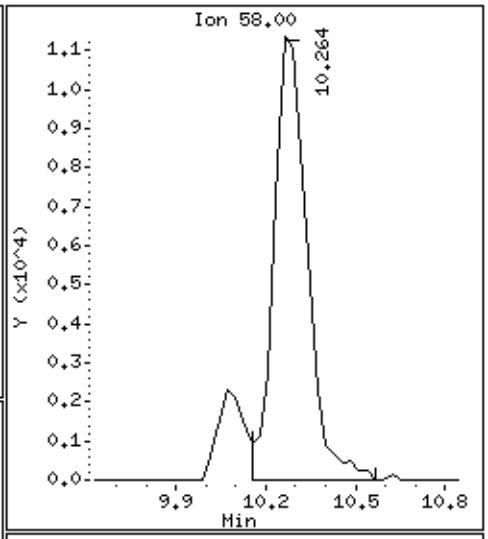
Column phase: RTx-624

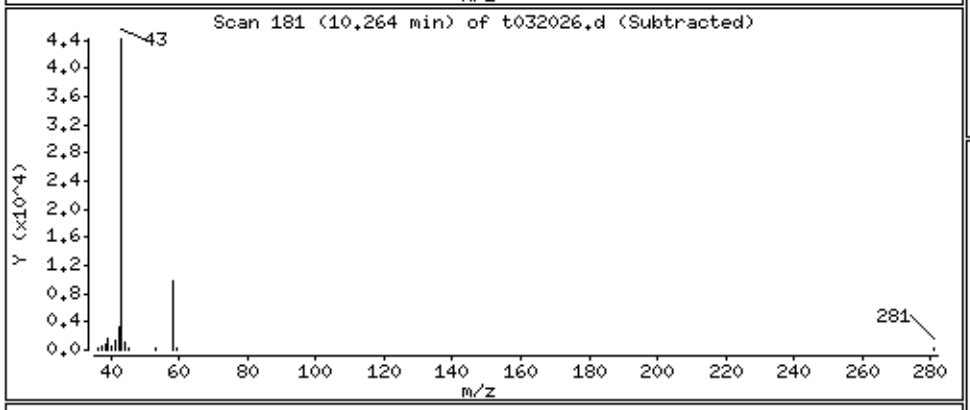
Column diameter: 0.53

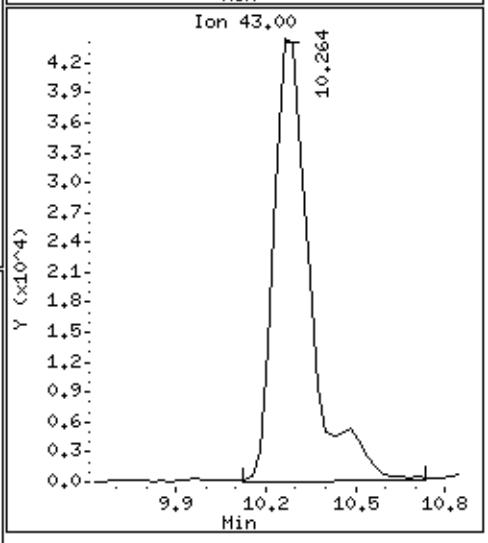
45 Acetone

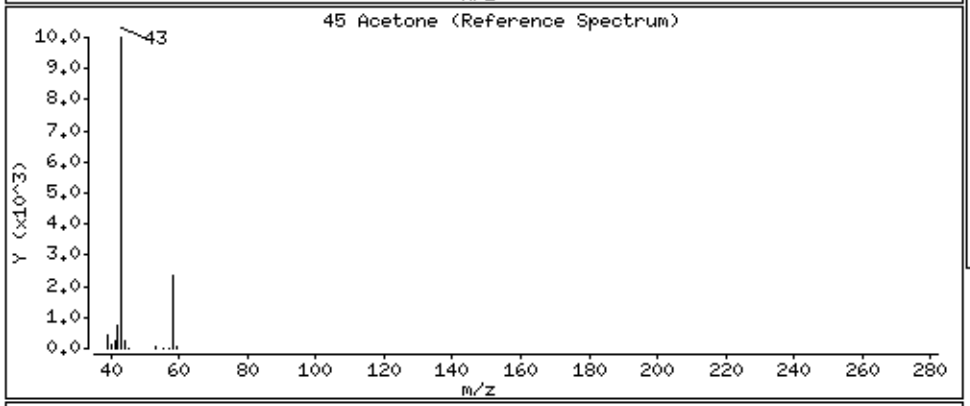
Concentration: 9.257 PPBV

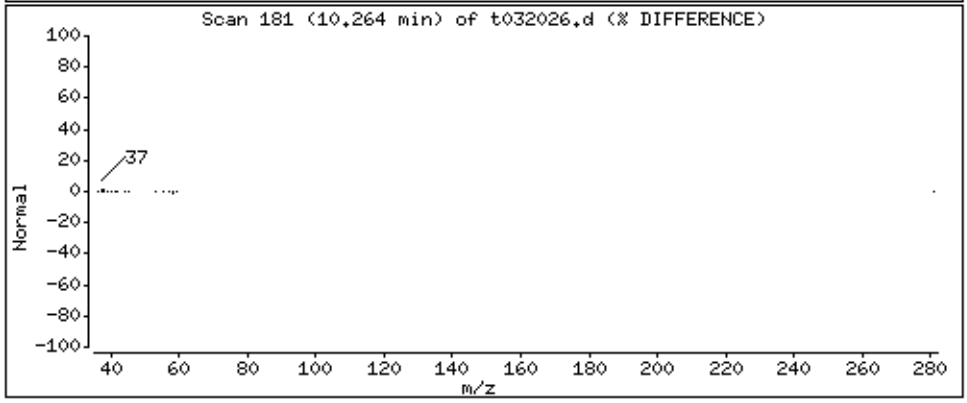












Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

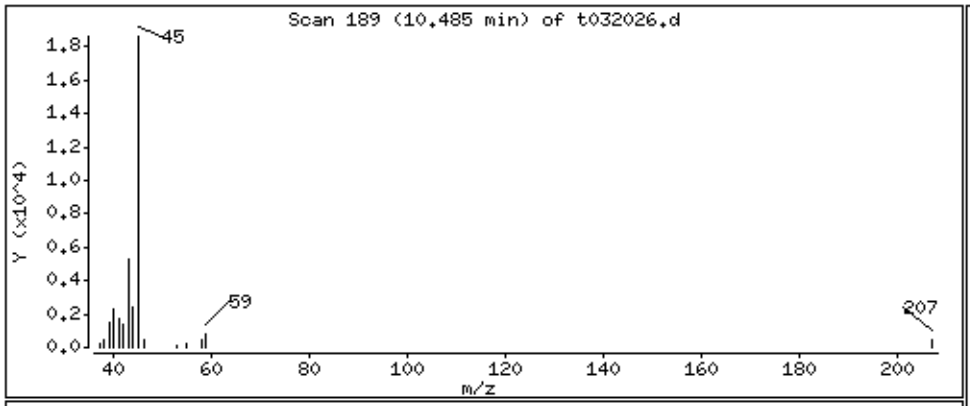
Operator: ab

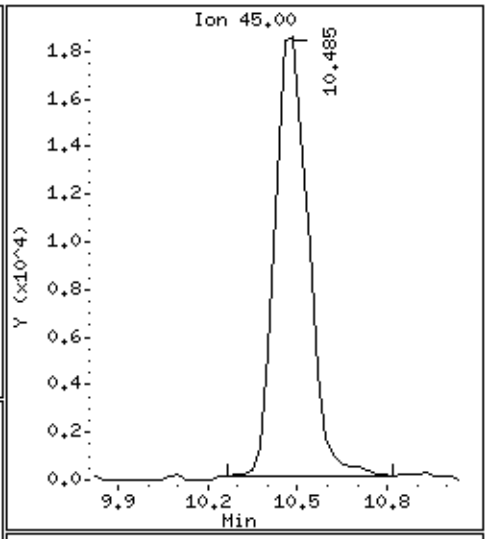
Column phase: RTx-624

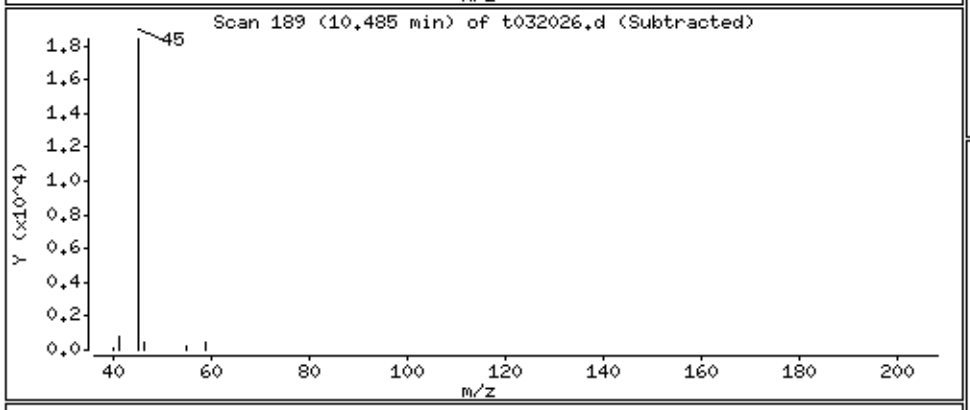
Column diameter: 0.53

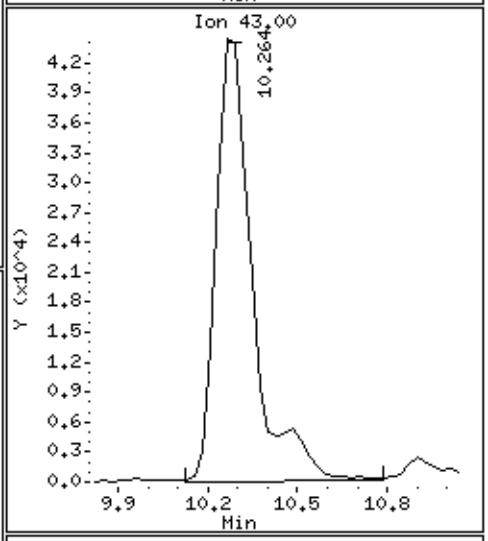
46 2-Propanol

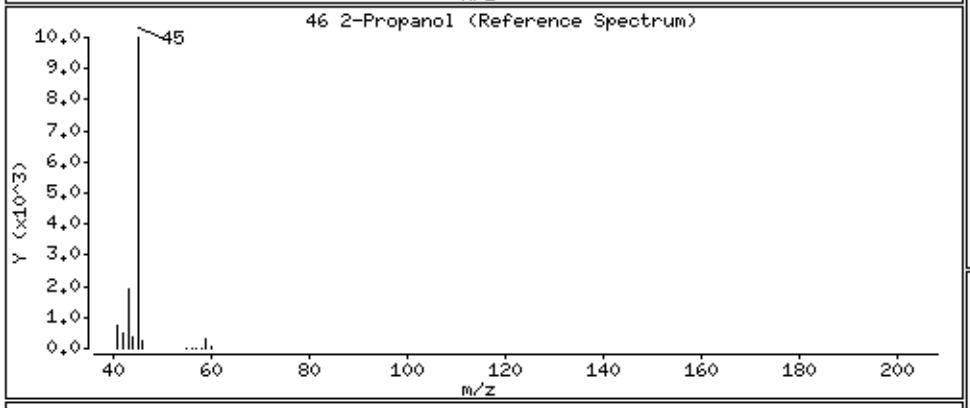
Concentration: 4.143 PPBV

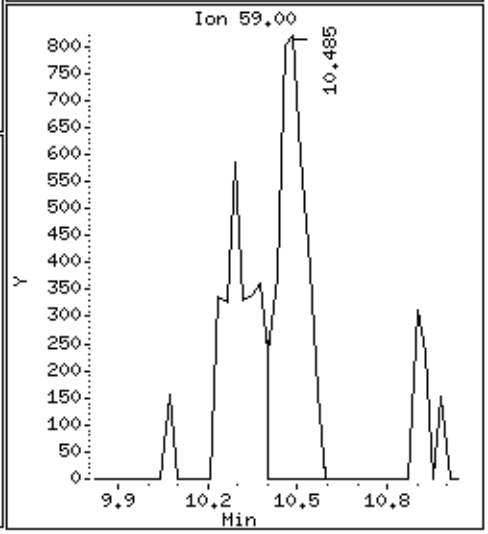


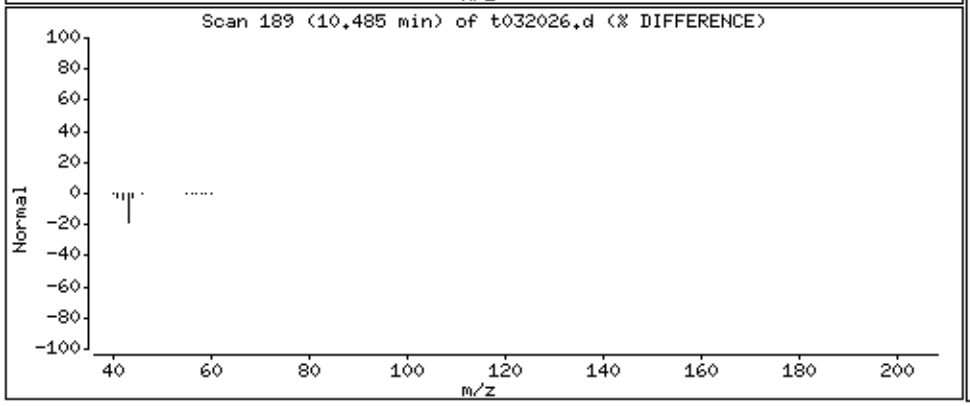












Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

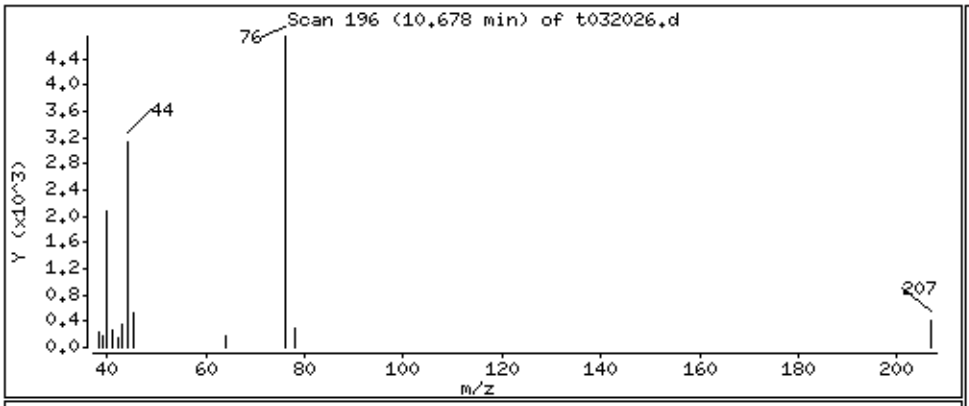
Operator: ab

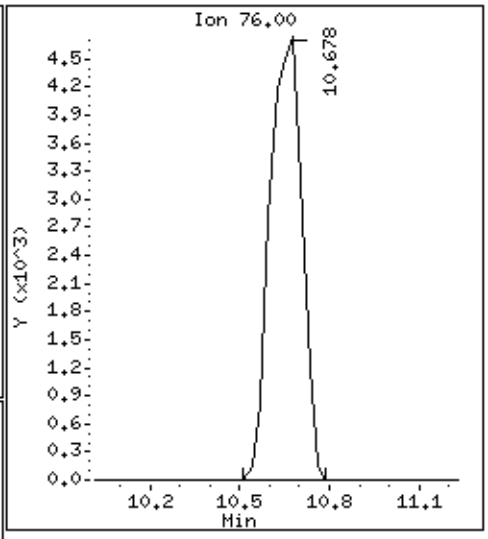
Column phase: RTx-624

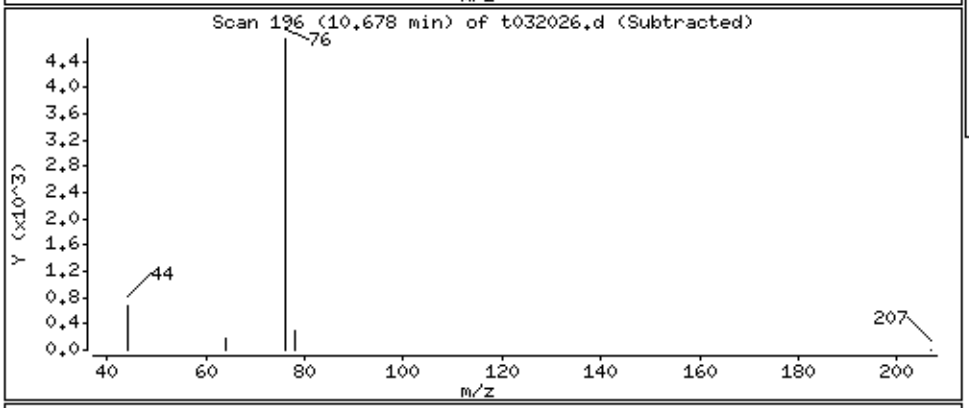
Column diameter: 0.53

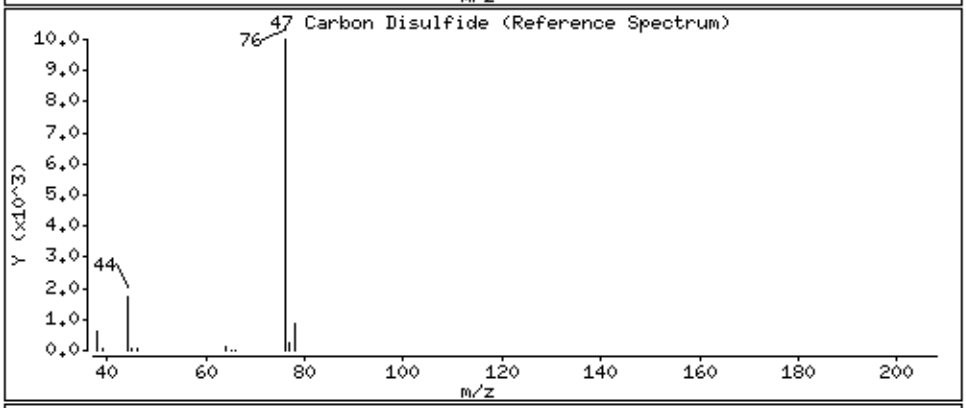
47 Carbon Disulfide

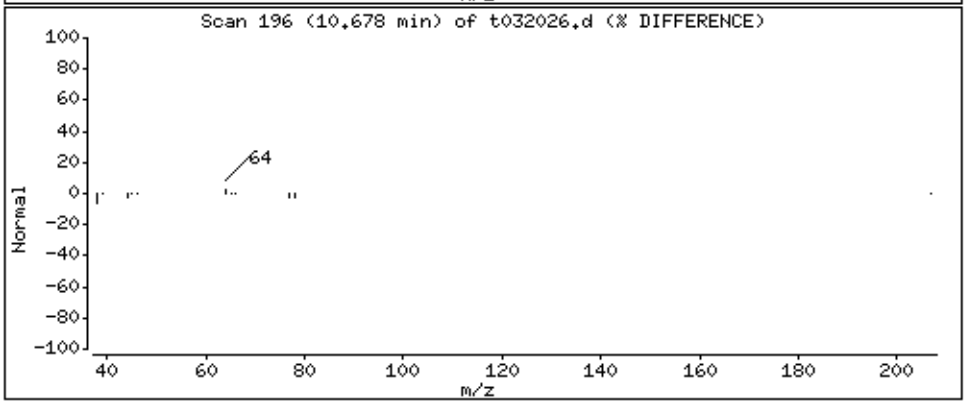
Concentration: 0.8098 PPBV











Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

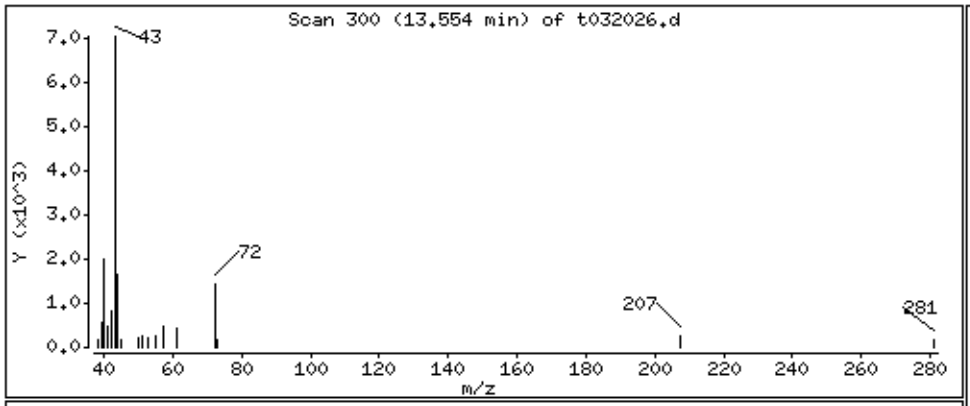
Operator: ab

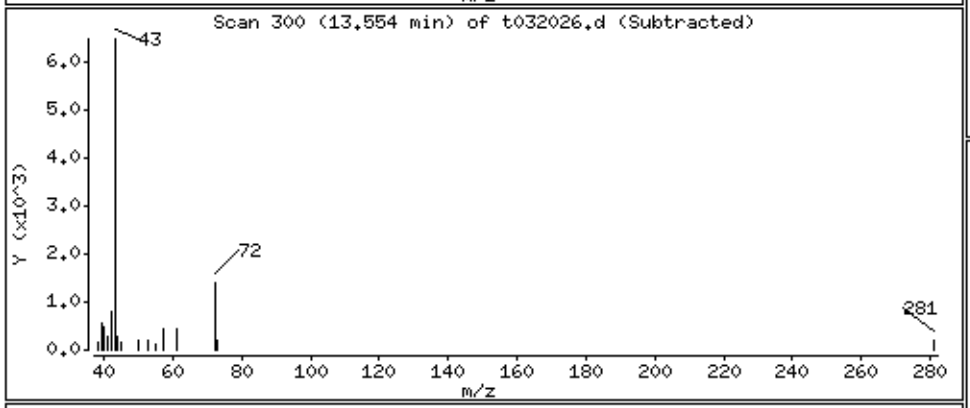
Column phase: RTx-624

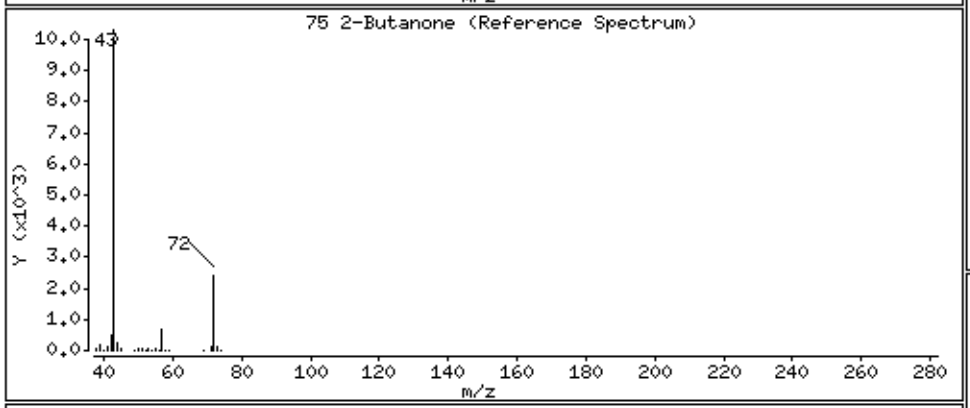
Column diameter: 0.53

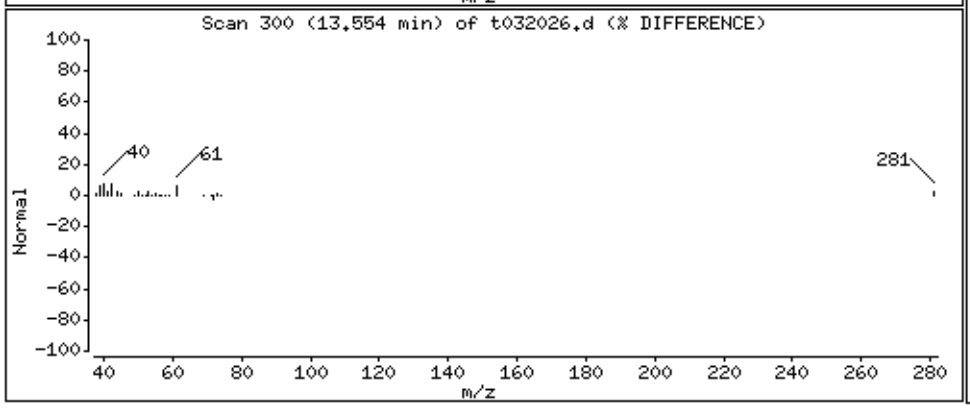
75 2-Butanone

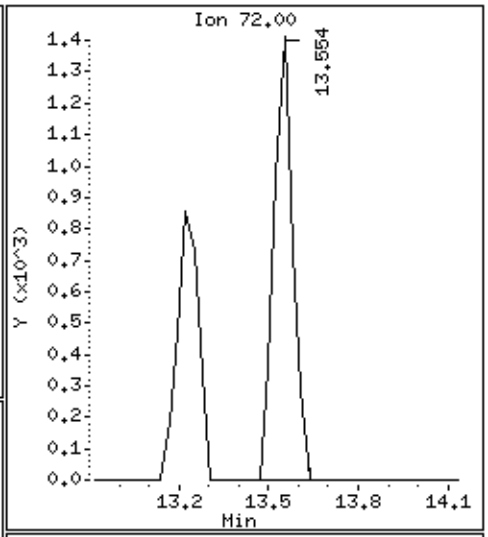
Concentration: 0.9119 PPBV

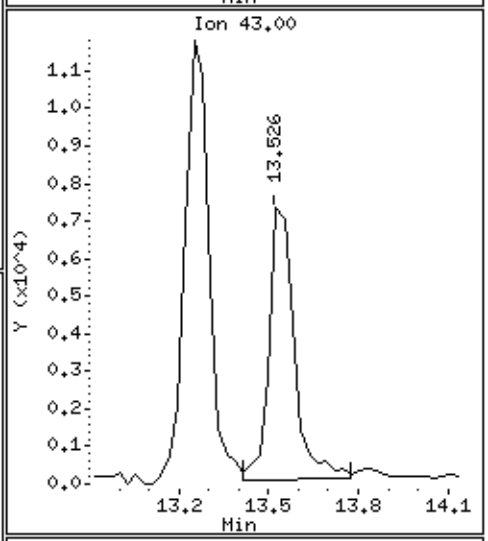


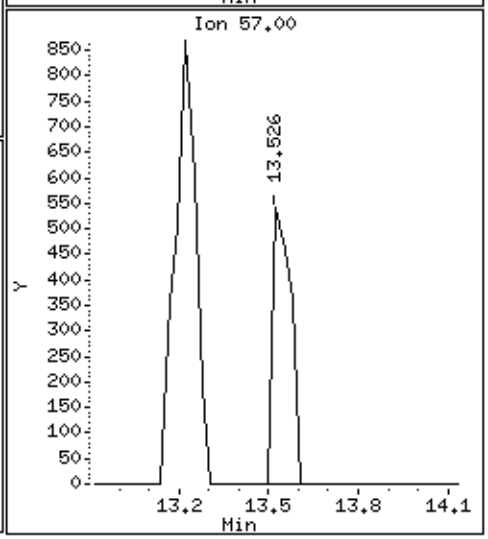












Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

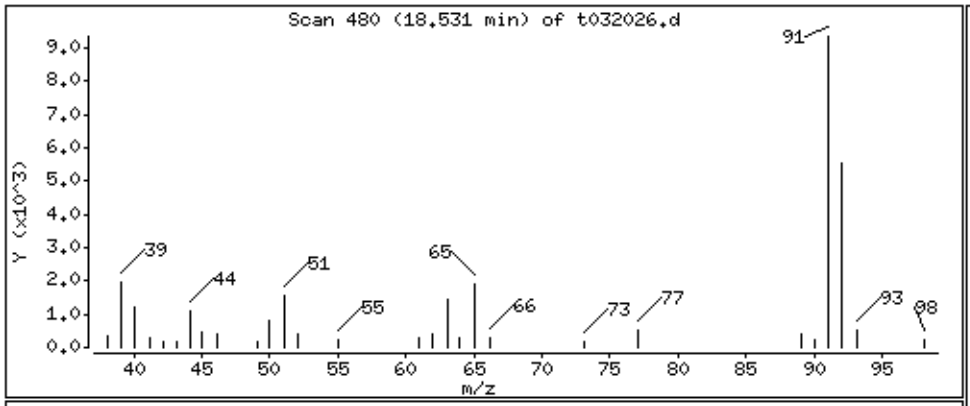
Operator: ab

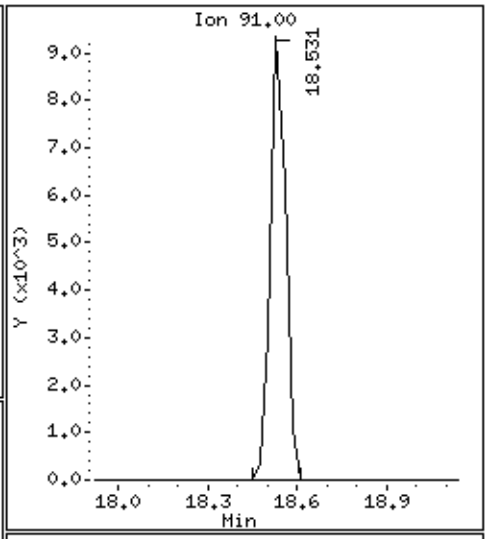
Column phase: RTx-624

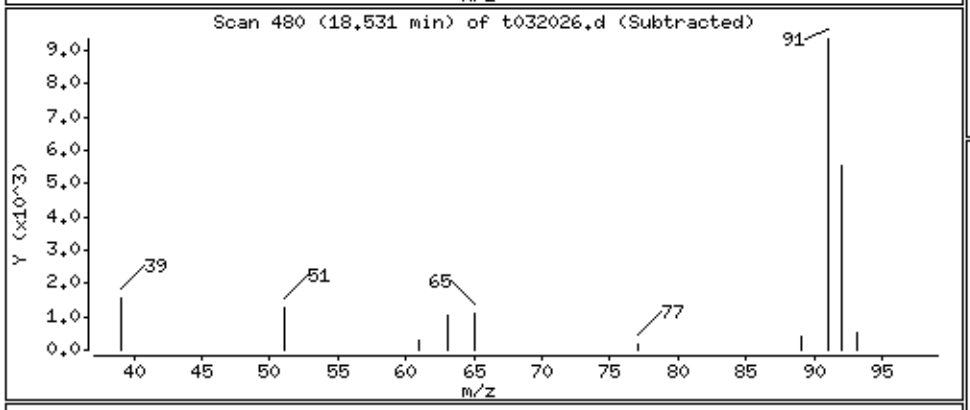
Column diameter: 0.53

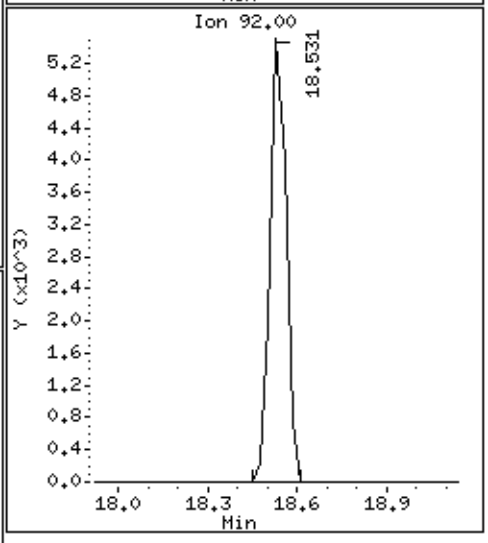
114 Toluene

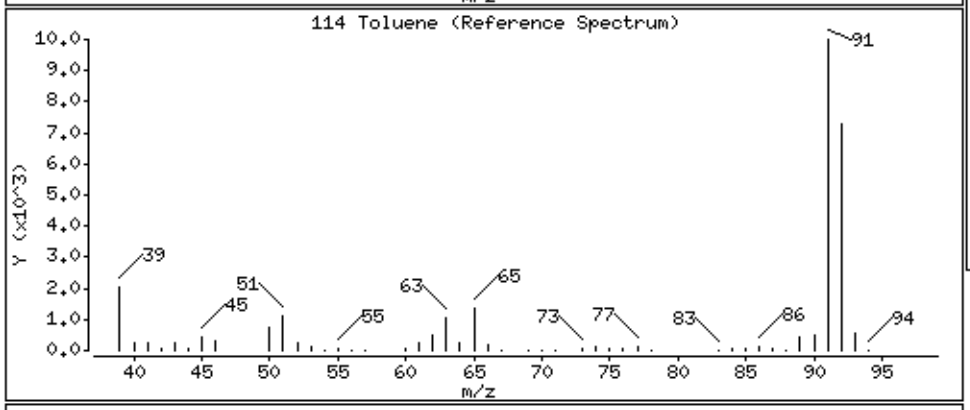
Concentration: 0.9265 PPBV

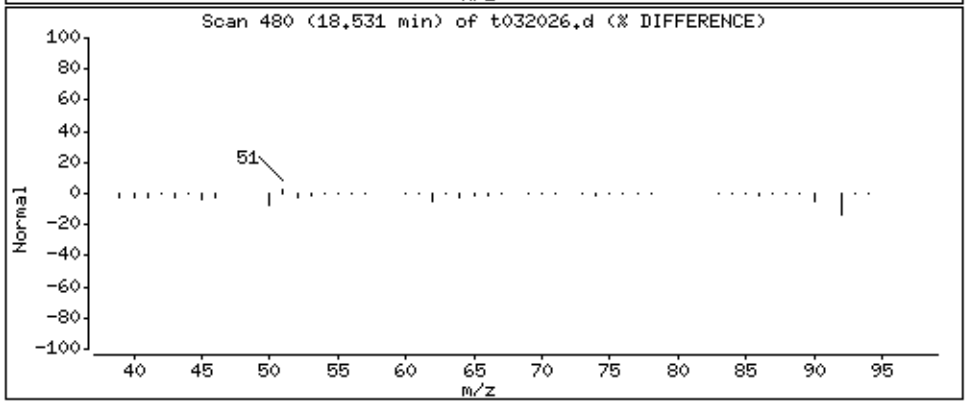












Data File: /chem/msdt.i/20Mar2007.b/t032026.d

Date : 21-MAR-2007 05:25

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34348

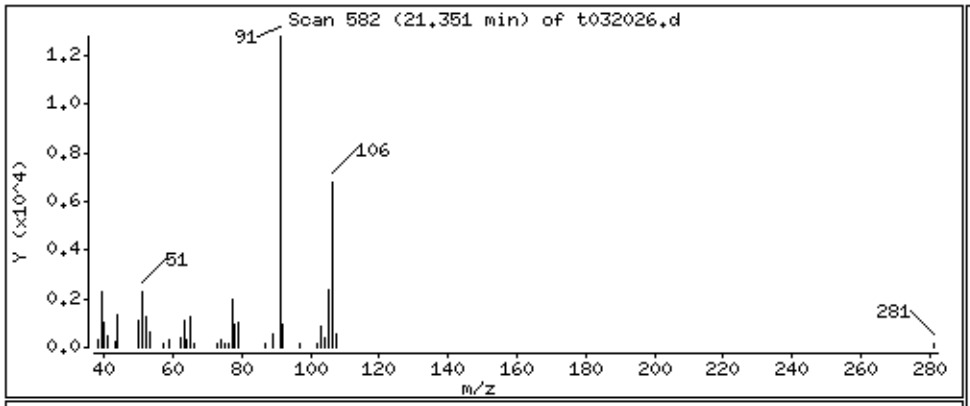
Operator: ab

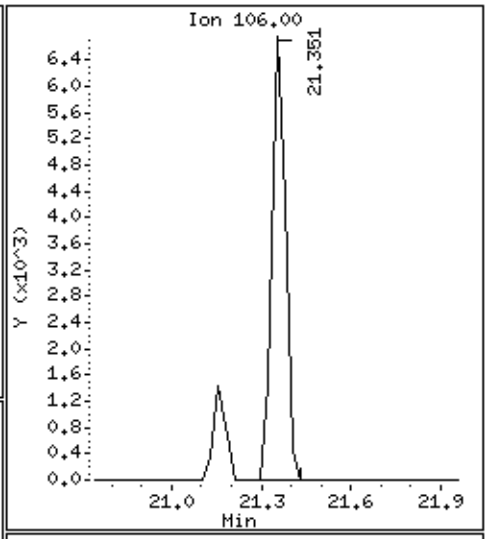
Column phase: RTx-624

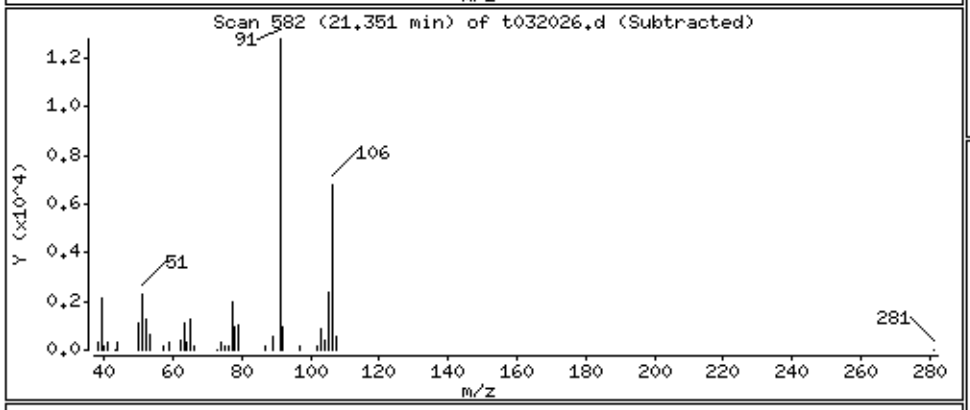
Column diameter: 0.53

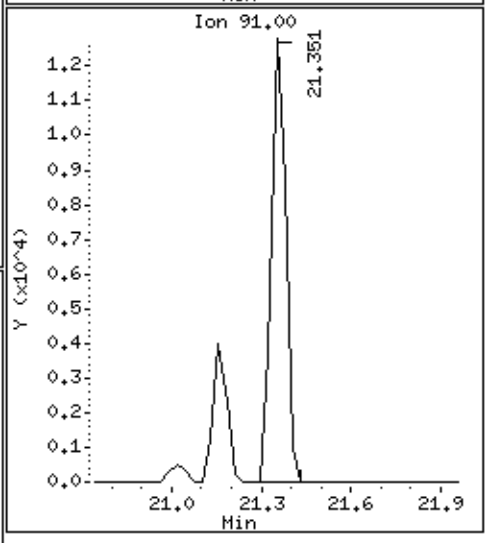
129 m,p-Xylene

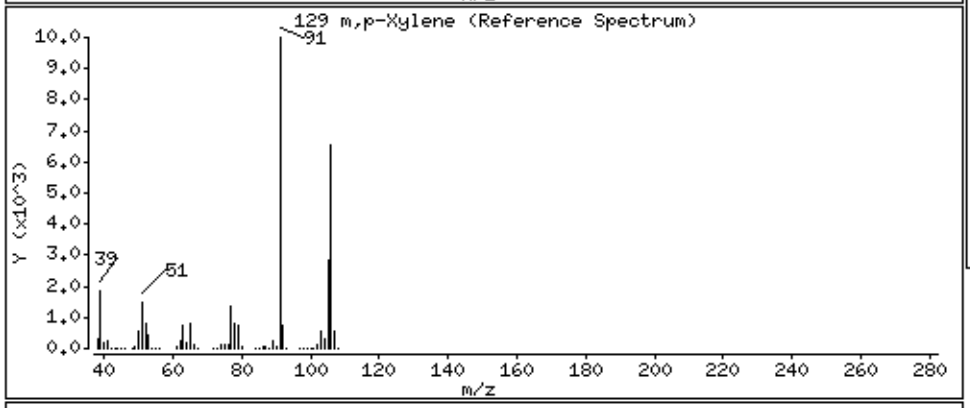
Concentration: 1.168 PPBV

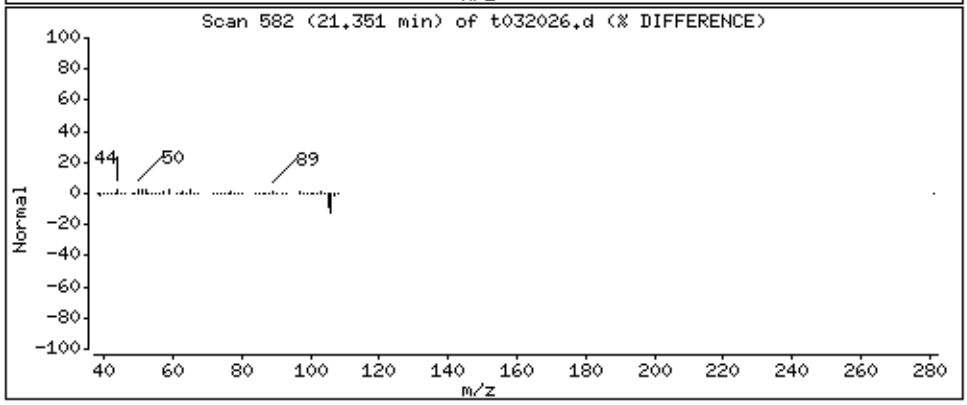












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0703272-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 10:41 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0703272-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 10:41 AM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/20Mar2007.b/t032004.d
Lab Smp Id: Lab blank Client Smp ID: Lab blank
Inj Date : 20-MAR-2007 10:41
Operator : lmr Inst ID: msdt.i
Smp Info : 200mL #34027
Misc Info : Humid
Comment :
Method : /chem/msdt.i/20Mar2007.b/t14q306b.m
Meth Date : 20-Mar-2007 09:01 lrandolp Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.024 (1.000)	130	286139	25.0000		80.00- 120.00	100.00
14.052	14.024 (1.000)	128	218900			28.72- 128.72	76.50
14.024	14.024 (1.000)	49	709945			317.87- 417.87	248.11
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.793 (1.000)	114	1041899	25.0000		80.00- 120.00	100.00
15.794	15.793 (1.000)	88	189012			0.00- 68.45	18.14
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	811012	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	511892			15.81- 115.81	63.12
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.102 (1.077)	65	565333	24.7436	24.744	80.00- 120.00	100.00
15.130	15.102 (1.077)	67	269000			2.09- 102.09	47.58
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1017809	23.9494	23.949	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	131087			0.00- 63.13	12.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	722718			21.11- 121.11	71.01
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	349816	23.6038	23.604	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	579563			114.96- 214.96	165.68
23.010	23.010 (1.095)	176	340579			47.50- 147.50	97.36

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t032004.d
Lab Smp Id: Lab blank
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: Humid

Calibration Date: 20-MAR-2007
Calibration Time: 08:35
Client Smp ID: Lab blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	286330	171798	400862	286139	-0.07
97 1,4-Difluorobenze	1066447	639868	1493026	1041899	-2.30
126 Chlorobenzene-d5	899436	539662	1259210	811012	-9.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.05	0.20
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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: 20-Mar-2007 11:05

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 20Mar2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab blank Client Smp ID: Lab blank
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.744	98.97	70-130
$ 113 Toluene-d8	25.000	23.949	95.80	70-130
$ 137 Bromofluorobenzene	25.000	23.604	94.42	70-130

Data File: /chem/msdt.i/20Mar2007.b/t032004.d

Date : 20-MAR-2007 10:41

Client ID: Lab blank

Sample Info: 200mL #34027

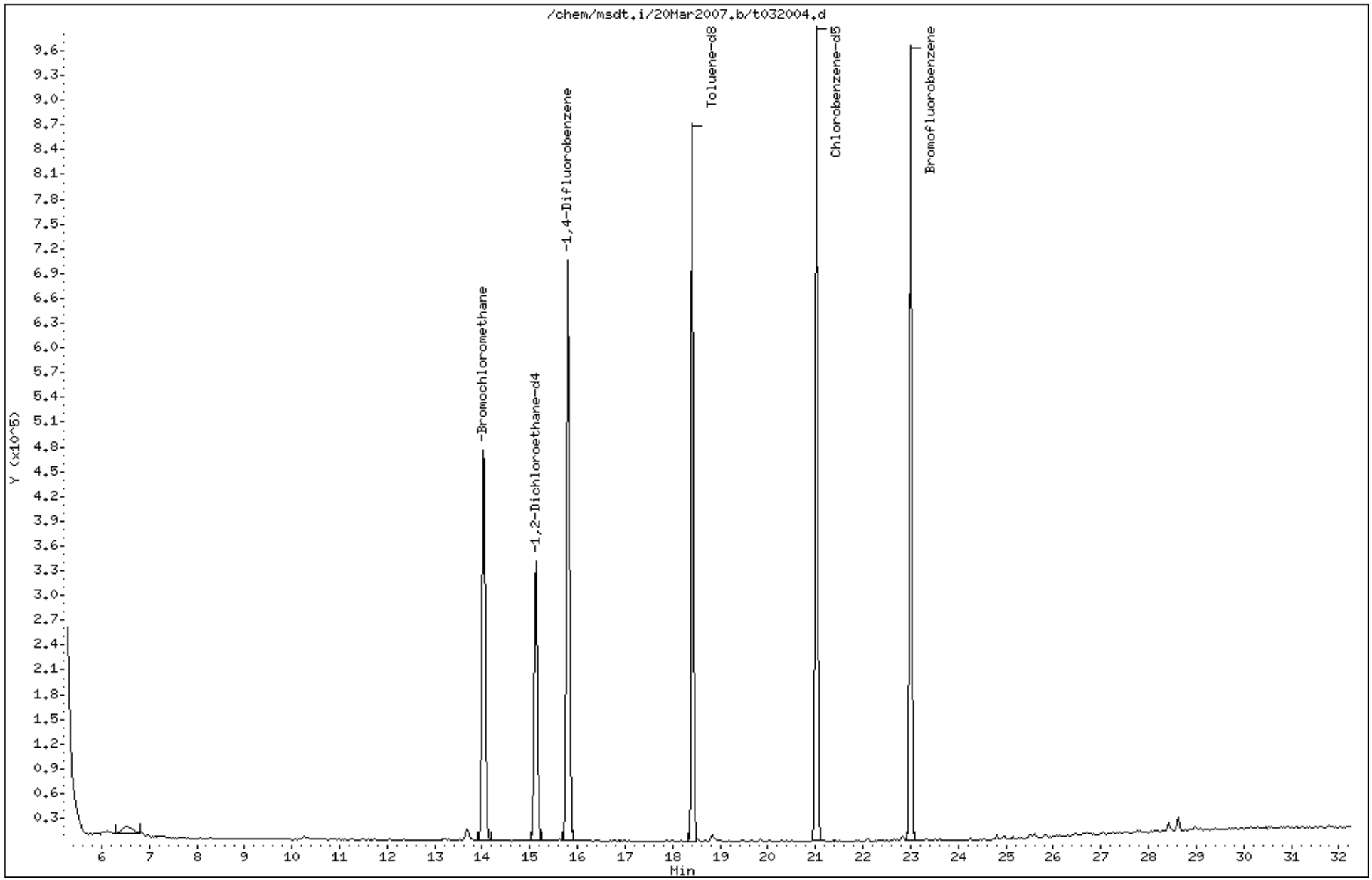
Column phase: RTx-624

Instrument: msdt.i

Operator: lmr

Column diameter: 0.53

0038



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0703272

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	AMS4-UW	108		99		96				0
02	AMS2-DW	108		98		98				0
03	Lab Blank	99		96		94				0
04	CCV	103		101		102				0
05	LCS	100		100		102				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
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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: 0703272

Lab File ID: t032002.d | Date Analyzed: 03/20/2007

Instrument ID: msdt.i | Time Analyzed: 08:35 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	899436		21.02		1066447		15.79		286330		14.02	
	UPPER LIMIT	1259210		21.35		1493026		16.12		400862		14.35	
	LOWER LIMIT	539662		20.69		639868		15.46		171798		13.69	
	CLIENT SAMPLE NO												
01	AMS4-UW	813404		21.02		1002825		15.79		269080		14.05	
02	AMS2-DW	761786		21.02		959882		15.79		264907		14.05	
03	Lab Blank	811012		21.02		1041899		15.79		286139		14.05	
04	CCV	899436		21.02		1066447		15.79		286330		14.02	
05	LCS	916464		21.02		1087524		15.79		295909		14.02	
06													
07													
08													
09													
10													
11													
12													
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15													
16													
17													
18													
19													
20													
21													
22													

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

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

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/06Mar2007.b/t030603.d
Level 2: /chem/msdt.i/06Mar2007.b/t030611.d
Level 3: /chem/msdt.i/15Mar2007.b/t031502.d
Level 4: /chem/msdt.i/06Mar2007.b/t030606.d
Level 5: /chem/msdt.i/15Mar2007.b/t031503.d
Level 6: /chem/msdt.i/06Mar2007.b/t030608.d
Level 7: /chem/msdt.i/15Mar2007.b/t031504.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	+++++	3.89996	+++++	4.21277	+++++	3.57466	3.89580	8.190
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
13 Freon 134a	+++++	+++++	2.09233	+++++	2.26296	+++++	1.80528	2.05352	11.263
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Propylene	+++++	+++++	1.72145	1.97476	1.79644	1.68002	1.54275	1.74308	9.121
15 Freon 152a	+++++	+++++	1.98703	+++++	1.42415	+++++	1.09489	1.50202	30.035
12 Dichlorodifluoromethane/Fr12	+++++	4.92532	4.44738	5.58837	5.06004	4.75442	4.53550	4.88517	8.478
17 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
16 Freon 114	+++++	3.00619	2.90153	3.53777	3.32129	2.84309	2.10688	2.95279	16.667
18 Chloromethane	+++++	+++++	1.90688	2.40009	2.17083	1.96149	1.52652	1.99316	16.322
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Vinyl Chloride	+++++	2.39555	2.14023	2.66600	2.43608	2.25070	2.10749	2.33267	8.997
19 Butane	+++++	+++++	0.59169	0.59027	0.55342	0.52563	0.47624	0.54745	8.842
22 1,3-Butadiene	+++++	2.61951	2.42291	2.70592	2.55738	2.45232	2.40224	2.52671	4.798
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Bromomethane	+++++	1.69321	1.55171	1.94854	1.79850	1.68764	1.57108	1.70845	8.676
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Chloroethane	+++++	1.34204	1.08465	1.33010	1.23281	1.15181	1.05843	1.19997	10.128

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
29 Isopentane	+++++	+++++	3.27190	3.71697	3.45439	3.30228	3.24442	3.39799	5.766
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	3.08043	+++++	3.42980	+++++	2.85459	3.12161	9.284
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	5.87757	5.22455	6.29713	6.00530	5.81269	5.62270	5.80666	6.246
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
38 Ethanol	+++++	+++++	0.90656	1.04173	1.01143	0.94223	0.90418	0.96123	6.498

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	2.63191	+++++	2.78314	+++++	2.65548	2.69018	3.025
41 Freon123	+++++	+++++	1.54837	+++++	1.52538	+++++	1.47370	1.51582	2.523
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon 113	+++++	2.41740	2.50682	2.82959	2.64865	2.51503	2.46292	2.56340	5.918
43 1,1-Dichloroethene	+++++	4.19509	4.08055	4.61997	4.38219	4.26489	4.18442	4.28785	4.450
45 Acetone	+++++	+++++	1.26236	1.47132	1.38828	1.35662	1.34717	1.36515	5.527
46 2-Propanol	+++++	+++++	4.21968	5.49478	5.30225	5.17373	5.19965	5.07802	9.771
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
47 Carbon Disulfide	+++++	6.22932	5.85602	6.95114	6.62170	6.48886	6.18988	6.38949	5.977

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 3-Chloropropene	+++++	+++++	0.90839	1.11092	1.05873	1.02041		
	1.01952						1.02359	7.272
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 Methylene Chloride	+++++	3.66989	3.19356	3.53789	3.36185	3.24342		
	2.79912						3.30095	9.215
57 tert-Butyl-Alcohol	+++++	+++++	4.60764	+++++	5.94509	+++++		
	5.46805						5.34026	12.693

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
60 MTBE	+++++	5.09973	4.90642	6.40309	6.09385	5.95947		
	5.85486						5.71957	10.280
61 trans-1,2-Dichloroethene	+++++	2.19655	1.98191	2.29789	2.15424	2.08200		
	2.03050						2.12385	5.455
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
65 Hexane	+++++	4.53767	4.36639	5.10785	4.75447	4.56207		
	4.40871						4.62286	5.925
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 Isopropyl ether	+++++	+++++	9.55771	+++++	10.82357	+++++	10.21637	10.19921	6.207
69 Vinyl Acetate	+++++	+++++	0.39739	0.54327	0.51594	0.51622	0.49752	0.49407	11.426
70 1,1-Dichloroethane	+++++	4.62136	4.61304	5.36141	5.00662	4.82029	4.65749	4.84670	6.067
71 1-Propanol	+++++	+++++	0.59749	+++++	0.68353	+++++	0.68999	0.65700	7.860
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	6.78439	+++++	8.94528	+++++	8.84447	8.19138	14.888
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Ethyl Acetate	+++++	+++++	0.94831	+++++	1.07386	+++++	1.05579	1.02599	6.616
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
75 2-Butanone	+++++	0.88026	0.94427	1.08912	1.03333	0.98213		
	0.95754						0.98111	7.417
76 cis-1,2-Dichloroethene	+++++	3.58991	3.16041	3.86507	3.63554	3.47753		
	3.38302						3.51858	6.811
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
80 Tetrahydrofuran	+++++	3.27542	2.71888	3.23247	3.07314	2.97251		
	2.89662						3.02817	6.942
82 Chloroform	4.99925	4.26629	3.58212	4.44723	4.16144	4.04311		
	3.93006						4.20421	10.570
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
83 1,1,1-Trichloroethane	+++++	3.63439	3.32190	3.99078	3.67015	3.55786		
	3.41819						3.59888	6.469
85 Cyclohexane	+++++	2.45720	2.18217	2.67510	2.43538	2.32327		
	2.21754						2.38178	7.623
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
87 Carbon Tetrachloride	+++++	2.96502	2.69739	3.48194	3.30142	3.20564	3.10490	3.12605	8.747
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 2,2,4-Trimethylpentane	+++++	11.19015	10.15980	12.18667	11.30456	10.91393	10.52588	11.04683	6.352
91 Benzene	1.75344	1.57031	1.32985	1.55569	1.44567	1.41775	1.34926	1.48885	9.992
92 tert-amyl-Methyl Ether	+++++	+++++	3.50483	+++++	4.69138	+++++	4.57396	4.25673	15.359
96 2-Heptanone	+++++	+++++	2.32826	+++++	3.93688	+++++	4.02687	3.43067	27.860
93 1,2-Dichloroethane	+++++	0.84331	0.74984	0.92068	0.86600	0.85217	0.81965	0.84194	6.690
94 Heptane	+++++	0.39965	0.39488	0.49245	0.45435	0.44183	0.42257	0.43429	8.449
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 1-Butanol	+++++	+++++	0.32490	+++++	0.56342	+++++	0.57435	0.48756	28.914

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
101 Trichloroethene	+++++	0.57803	0.49020	0.60632	0.55757	0.54775		
	0.51658						0.54941	7.597
102 Methyl Cyclohexane	+++++	2.80368	2.43543	3.00898	2.77676	2.66846		
	2.58640						2.71329	7.277
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
104 1,2-Dichloropropane	+++++	0.67263	0.55587	0.66191	0.60988	0.59592		
	0.57351						0.61162	7.690
106 1,4-Dioxane	+++++	+++++	0.32295	0.35050	0.33647	0.33038		
	0.32145						0.33235	3.552
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Bromodichloromethane	+++++	1.08547	0.80276	1.09168	1.02391	1.01209		
	0.97666						0.99876	10.583
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.79894	0.64919	0.81748	0.77577	0.76431		
	0.73760						0.75721	7.885
111 4-Methyl-2-pentanone	+++++	0.49781	0.49243	0.62362	0.58245	0.57559		
	0.55675						0.55478	9.217
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
114 Toluene	+++++	1.57491	1.26107	1.55549	1.42831	1.39960		
	1.34162						1.42683	8.524
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
116 trans-1,3-Dichloropropene	+++++	1.09428	0.83112	1.03099	1.02841	1.00394		
	0.95248						0.99020	9.131
117 1,1,2-Trichloroethane	+++++	0.74454	0.57419	0.66200	0.63570	0.61313		
	0.57297						0.63375	10.164
120 Tetrachloroethene	+++++	0.93132	0.69344	0.76212	0.72603	0.69992		
	0.65042						0.74388	13.307
121 2-Hexanone	+++++	+++++	0.73713	1.02357	1.00481	0.99055		
	0.94143						0.93950	12.470

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Butyl Acetate	+++++	+++++	0.52931	+++++	0.79405	+++++		
	0.74743						0.69026	20.474
122 Dibromochloromethane	+++++	1.06216	0.79897	1.02725	1.01648	0.98810		
	0.92507						0.96967	9.841
123 1,2-Dibromoethane	+++++	1.21138	0.92724	1.07590	1.05075	1.01263		
	0.94526						1.03719	9.942
127 Chlorobenzene	+++++	1.61866	1.22590	1.36969	1.33115	1.26913		
	1.19904						1.33559	11.424
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
128 Ethyl Benzene	+++++	0.87170	0.64705	0.75569	0.71327	0.68951		
	0.65078						0.72133	11.659
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
129 m,p-Xylene	+++++	1.14948	0.82486	0.96564	0.89693	0.86354		
	0.81778						0.91970	13.577
130 o-Xylene	+++++	1.01300	0.69264	0.83610	0.76707	0.73339		
	0.68211						0.78738	15.726

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
131 Styrene	2.23582	1.49955	1.10787	1.39719	1.32560	1.26470	1.17297	1.42910	26.543	
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
133 Bromoform	+++++	0.82717	0.51812	0.77273	0.74603	0.73091	0.68855	0.71392	14.901	
134 Cumene	4.29134	2.65486	1.88666	2.15133	2.00746	1.95031	1.85046	2.39892	36.602	<-
135 Cyclohexanone	+++++	+++++	0.77770	+++++	1.09140	+++++	1.07274	0.98061	17.945	
140 1,1,2,2-Tetrachloroethane	+++++	1.59565	1.00449	1.21790	1.16008	1.12367	1.05665	1.19307	17.692	
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
142 Propylbenzene	+++++	3.33315	2.20376	2.51053	2.39862	2.32988	2.19987	2.49597	17.103	
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
145 4-Ethyltoluene	+++++	2.60329	1.83484	2.05725	1.99001	1.93138		
	1.80558						2.03706	14.377
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	2.41289	1.60040	1.63419	1.59968	1.52652		
	1.44066						1.70239	20.849
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	1.65398	+++++	2.22209	+++++		
	2.06003						1.97870	14.791
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	2.13216	1.44851	1.43823	1.43948	1.38692		
	1.31945						1.52746	19.654
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	1.30346	0.79574	0.84120	0.84630	0.81669	0.78553	0.89815	22.269
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,4-Dichlorobenzene	+++++	1.29957	0.78853	0.83266	0.84268	0.81443	0.79896	0.89614	22.169
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	+++++	1.55997	0.90306	1.22571	1.31523	1.30338	1.32171	1.27151	16.739
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
161 1,2-Dichlorobenzene	+++++	1.11755	0.73343	0.70200	0.72909	0.71399	0.69615	0.78204	21.101
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	0.31505	0.30565	0.32645	0.33786	0.34448	0.32590	4.891
166 Hexachlorobutadiene	+++++	+++++	0.28549	0.26691	0.28779	0.28764	0.28630	0.28283	3.164
167 Naphthalene	+++++	+++++	0.58252	0.67401	0.70277	0.72410	0.73243	0.68317	8.874
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/15Mar2007.b/t14q306b.m
Cal Date : 15-Mar-2007 16:45 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.90386	1.95548	1.97132	1.93925	2.01719	2.04645	2.13984	1.99620	3.968
$ 113 Toluene-d8	1.01208	1.01628	0.99635	1.01749	1.01587	1.04186	1.03818	1.01973	1.534
$ 137 Bromofluorobenzene	0.45752	0.44122	0.44935	0.46198	0.46113	0.47186	0.45487	0.45685	2.142

Calibration History

Method : /chem/msdt.i/15Mar2007.b/t14q306b.m
Start Cal Date: 06-MAR-2007 16:57
End Cal Date : 15-MAR-2007 13:28

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
06-MAR-2007 16:57	AFCEElow	/chem/msdt.i/06Mar2007.b/t030603.d
Cal Level: 2 , Cal Amount: 0.50000		
07-MAR-2007 08:34	AT04low+ENSR	/chem/msdt.i/06Mar2007.b/t030611.d
Cal Level: 3 , Cal Amount: 2.00000		
15-MAR-2007 12:05	sp17b	/chem/msdt.i/15Mar2007.b/t031502.d
06-MAR-2007 18:29	AT04mdl+ENSR	/chem/msdt.i/06Mar2007.b/t030605.d
Cal Level: 4 , Cal Amount: 25.00000		
06-MAR-2007 19:09	AT04mdl+ENSR	/chem/msdt.i/06Mar2007.b/t030606.d
Cal Level: 5 , Cal Amount: 50.00000		
15-MAR-2007 12:47	sp17b	/chem/msdt.i/15Mar2007.b/t031503.d
06-MAR-2007 20:30	AT04mdl+ENSR	/chem/msdt.i/06Mar2007.b/t030607.d
Cal Level: 6 , Cal Amount: 100.00000		
06-MAR-2007 21:08	AT04mdl+ENSR	/chem/msdt.i/06Mar2007.b/t030608.d
Cal Level: 7 , Cal Amount: 200.00000		
15-MAR-2007 13:28	sp17b	/chem/msdt.i/15Mar2007.b/t031504.d
06-MAR-2007 21:49	AT04mdl+ENSR	/chem/msdt.i/06Mar2007.b/t030609.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000			
15-MAR-2007 12:47	sp17bCCV	/chem/msdt.i/15Mar2007.b/t031503a.d	
Ccal Level: 5 , Ccal Amount: 50.000			
15-MAR-2007 12:47	sp17b	/chem/msdt.i/15Mar2007.b/t031503.d	

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MSD-T

Logbook #: 1533

1900

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	28.46
75	30.0 – 60.0% of mass 95	49.97
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.66
173	Less than 2.0% of mass 174	(0.97)[1]
174	Greater than 50.0% of mass 95	59.65
175	5.0 – 9.0% of mass 174	(7.06)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.18)[1]
177	5.0 – 9.0% of mass 176	(6.56)[2]

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

BFB Injection Date: 3/6/07
BFB Injection Time: 1532
BFB File ID: T030601
Tekmar Purge Flow: 21.5 mL/min
Vacuum: 3.4e-5

IS/S Std.#:	1987-110	Exp. Date: 5/20/07
BCM	261515	
1,4-DFB	1003370	
CB-d5	803302	

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

Verify 176/174 m/z Ratio: 403637/419664 x100 = 96.18

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

Calculation Check:

ppbv of compound $= \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 527525\ )}{(\ 261515\ )} \times \frac{(\ 25\ )}{(\ 1.99620\ )} = 25.263$

Reported Result 25.263

File ID:	T030607
Compound:	1,2-DCA-d4
Initials:	CT

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T030601	BFB Tune Check	8432910	50ng	2uL	1.00	GS	3/6/07	1532	GS/GS	
2	✓	02	System Blank	12941	Humid	200mL				1606	GS	
3	✓	03	ICAL Level 1 (20ppbv)	1487-115	0.2ppbv	0.2mL				1658	GS	ε14q306a
4	X	04	2		0.5ppbv	0.5uL	1.00	GS		1742	GS	
5	✓	05	3		2.0ppbv	2.0uL	1.00	GS		1829	GS	
6	✓	06	4		25ppbv	25uL	1.00	GS		1909	GS	
7	✓	07	5		50ppbv	50uL	1.00	GS		2030	GS	
8	✓	08	6		100ppbv	100uL	1.00	GS		2108	GS	
9	✓	09	7		200ppbv	200uL	1.00	GS		2149	GS	

Signature

3/6/07
Date

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MSD-T

Logbook #: 1533

0062

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	27.13
75	30.0 – 60.0% of mass 95	50.38
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.57
173	Less than 2.0% of mass 174	(1.01)[1]
174	Greater than 50.0% of mass 95	55.33
175	5.0 – 9.0% of mass 174	(7.37)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.11)[1]
177	5.0 – 9.0% of mass 176	(6.42)[2]

BFB Injection Date: 3/7/07
BFB Injection Time: 1023
BFB File ID: T030701
Tekmar Purge Flow: 21.5 mL/min
Vacuum: 3.18e-5

IS/S Std.#: 1487-110	Exp. Date: 5/20/07
BCM 262915	
1,4-DFB 1000470	
CB-d5 819942	

Verified CCV IS vs ICAL mid-point (- 40%D) SJK 3/7/07 *Initials*

[1] - *value in parenthesis is % mass 174* SJK 3/7/07 [2] - *value in parenthesis is % mass 176*

Verify 176/174 m/z Ratio: 385509/399040 x 100 = 96.11 (3)

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(523749)}{(262915)} \times \frac{(25)}{(1.99620)} = 24.948$

File ID:	T030702
Compound:	1,2-DCA-d4
Initials:	SJK

Reported Result 24.948

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T030701	BFB Tune Check	843-2910	50mg	2mL	1.00	SJK	3/7/07	1023	SJK / C.T.	
2	✓	02	CCV-1 (200ppbv)	1487-115	50ppbv	50mL				1052	SJK / C.T.	
3	✓	03	LCS-1 (200ppbv)	1408-386						1144	SJK / C.T.	ICAL LCS
4	✓	04	Lab Blank	31437	Humid	200mL				1301	SJK / C.T.	
5	—	05	0703056A-01A	9571	6"Hg +5psi	200mL	1.68	SJK				
6												
7												
8												
9												SJK 3/7/07

SJK

Signature

3/7/07

Date

10	✓	T030610	System Blank	31737	Humid	200mL	1.00	RO	3/7/07	0736	SR/CP
11	✓	↓ 11	ICAL Level 2	1487-115	0.5ppbv	0.5mL	↓	SR	↓	0834	CP
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32										3-7-07	CP

Comments: NIST Flow Meter SN: 05E27601 Flow Controller SN: AA98123220
Exp: 8/19/07 Actual: 22.1 mL/min
Nominal: 24.8 mL/min

C Taylor
Signature

3-7-07
Date

Logbook #: 1533

MSD-T

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m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	33.62
75	30.0 – 60.0% of mass 95	53.22
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.54
173	Less than 2.0% of mass 174	(0.85)[1]
174	Greater than 50.0% of mass 95	51.49
175	5.0 – 9.0% of mass 174	(7.44)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.18)[1]
177	5.0 – 9.0% of mass 176	(6.40)[2]

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

Verify 176/174 m/z Ratio: 406658/422824 x100 = 96.18

BFB Injection Date: 3/15/07
BFB Injection Time: 0948
BFB File ID: T031501
Tekmar Purge Flow: —
Vacuum: — [initials] 3/15/07

IS/S Std.#: 1487-110	Exp. Date: 5/20/07
BCM	282498
1,4-DFB	1067807
CB-d5	874442

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

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(609796)}{(282498)} \times \frac{(25)}{(1.99620)} = 27.034$

Reported Result 27.034

File ID: T031505
Compound: 1,2-DCA-d4
Initials: [initials]

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T031501	BFB Tune Check	1443-2910	50ng	2uL	1.00	[initials]	3/15/07	0948	[initials]/ED	
2	✓	02	ICAL (200ppbv) Lvl 3	1443-13	2ppbv	2mL				1205	[initials]/ED	t14a306b
3	✓	03	Lvl 5		50ppbv	50mL				1247	[initials]/ED	SPXCCV [initials] 3/15/07
4	✓	04	Lvl 7		200ppbv	200mL				1328	[initials]/ED	
5	✓	05	CCV-1 (200ppbv)	1487-115	50ppbv	50mL				1428	[initials]/ED	
6	✓	06	ICS-1 (200ppbv)	1408-386						1607	[initials]/ED	
7	✓	07	Lab Blank	31437	Humid	200mL		[initials]		1727	QW/ED	
8	X	08	0703276-01A	1L Bag	Tedlar	1mL	200	[initials]		1826	QW/—	rr @ 5mL
9		09	01A			5mL	40		[initials] 3/15/07	1925		Dilute NT

SP17bCCV

Signature [signature]

3-15-07
Date

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-T on 06 March 2007. As noted on the accompanying analytical run log(s), the following point, 0.5ppbv, was re-analyzed due to:

a. anomalous unacceptable linearity for Cumene, 1,2,4-TMB, 1,4-DCB, and 1,2-DCB.

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/07Mar2007.b/t030703.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 07-MAR-2007 11:44
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1408-386
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msdt.i/07Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 12:17 sruth Quant Type: ISTD
Cal Date : 06-MAR-2007 21:49 Cal File: t030609.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2926Spectra.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	263493	25.0000		80.00- 120.00	100.00
14.024	14.024 (1.000)	128	211185			27.51- 127.51	80.15
14.024	14.024 (1.000)	49	893758			287.45- 387.45	339.20
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.794 (1.000)	114	1012799	25.0000		80.00- 120.00	100.00
15.794	15.794 (1.000)	88	191982			0.00- 69.04	18.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	839830	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	540032			15.44- 115.44	64.30
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	536807	25.5144	25.514	80.00- 120.00	100.00
15.102	15.102 (1.077)	67	291220			2.09- 102.09	54.25
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1032586	24.9953	24.995	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	138567			0.00- 63.13	13.42

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	732435			21.11- 121.11	70.93
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	388521	25.3159	25.316	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	642220			114.66- 214.66	165.30
23.010	23.010 (1.095)	176	384761			47.24- 147.24	99.03
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.840	5.867 (0.416)	85	2602596	50.5473	50.547	80.00- 120.00	100.00
5.840	5.867 (0.416)	87	840368			0.00- 82.48	32.29
16 Freon 114					CAS #: 76-14-2		
6.282	6.310 (0.448)	135	1624375	52.1945	52.194	80.00- 120.00	100.00
6.282	6.310 (0.448)	137	512545			0.00- 81.97	31.55
18 Chloromethane					CAS #: 74-87-3		
6.531	6.503 (0.466)	50	1052748	50.1133	50.113	80.00- 120.00	100.00
6.531	6.503 (0.466)	52	342723			0.00- 84.39	32.56
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.891 (0.489)	62	1230341	50.0429	50.043	80.00- 120.00	100.00
6.835	6.891 (0.487)	64	376397			0.00- 81.04	30.59
22 1,3-Butadiene					CAS #: 106-99-0		
6.918	6.946 (0.493)	54	1223684	45.9498	45.950	80.00- 120.00	100.00
6.918	6.946 (0.493)	39	1123411			49.39- 149.39	91.81
25 Bromomethane					CAS #: 74-83-9		
7.914	7.941 (0.564)	94	984732	54.6875	54.687	80.00- 120.00	100.00
7.914	7.941 (0.564)	96	924128			44.27- 144.27	93.85
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.588)	64	667578	52.7838	52.784	80.00- 120.00	100.00
8.218	8.245 (0.586)	49	210394			0.00- 80.33	31.52
8.218	8.245 (0.586)	66	195549			0.00- 80.46	29.29
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.826 (0.627)	101	3095434	50.5786	50.578	80.00- 120.00	100.00
8.798	8.826 (0.627)	103	1992729			13.92- 113.92	64.38
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.661)	45	590405	58.2768	58.277	80.00- 120.00	100.00
9.268	9.268 (0.661)	43	126423			0.00- 72.89	21.41
9.241	9.268 (0.659)	46	225046			0.00- 87.99	38.12

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
42 Freon 113					CAS #: 76-13-1		
9.987	10.015 (0.712)	151	1489899	55.1456	55.146	80.00- 120.00	100.00
9.987	10.015 (0.712)	153	959534			13.25- 113.25	64.40
9.987	10.015 (0.712)	101	2262919			102.32- 202.32	151.88
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	2486759	55.0256	55.026	80.00- 120.00	100.00
10.070	10.070 (0.718)	96	1103736			0.00- 93.88	44.38
10.070	10.070 (0.718)	98	699839			0.00- 78.14	28.14
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.730)	58	766742	53.2893	53.289	80.00- 120.00	100.00
10.236	10.236 (0.730)	43	2528966			279.16- 379.16	329.83
46 2-Propanol					CAS #: 67-63-0		
10.430	10.430 (0.744)	45	2787325	52.0792	52.079	80.00- 120.00	100.00
10.402	10.430 (0.742)	43	590126			0.00- 73.03	21.17
10.402	10.430 (0.742)	59	104714			0.00- 53.87	3.76
47 Carbon Disulfide					CAS #: 75-15-0		
10.595	10.623 (0.756)	76	3443843	51.1385	51.138	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	541713	50.2125	50.212	80.00- 120.00	100.00
10.872	10.872 (0.775)	41	1950583			323.54- 423.54	360.08
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	1844842	53.0262	53.026	80.00- 120.00	100.00
11.176	11.176 (0.797)	84	1015509			4.87- 104.87	55.05
11.176	11.176 (0.797)	51	560402			0.00- 81.31	30.38
60 MTBE					CAS #: 1634-04-4		
11.536	11.563 (0.823)	73	3179949	52.7506	52.751	80.00- 120.00	100.00
11.536	11.563 (0.823)	57	954125			0.00- 79.58	30.00
11.536	11.563 (0.823)	41	914001			0.00- 80.57	28.74
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.619	11.646 (0.828)	96	1117928	49.9415	49.941	80.00- 120.00	100.00
11.619	11.646 (0.828)	61	2189155			145.81- 245.81	195.82
11.619	11.646 (0.828)	98	705871			11.26- 111.26	63.14
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	2407201	49.4052	49.405	80.00- 120.00	100.00
11.978	11.978 (0.854)	43	1448219			13.33- 113.33	60.16
11.978	11.978 (0.854)	86	283561			0.00- 61.32	11.78

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	2645272	51.7839	51.784	80.00- 120.00	100.00
12.476	12.476 (0.890)	65	783821			0.00- 79.46	29.63
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	526777	50.9425	50.942	80.00- 120.00	100.00
13.526	13.526 (0.964)	43	2925124			513.27- 613.27	555.29
13.526	13.526 (0.964)	57	237492			0.00- 98.33	45.08
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	1864130	50.2667	50.267	80.00- 120.00	100.00
13.554	13.554 (0.966)	96	1020224			5.40- 105.40	54.73
13.554	13.554 (0.966)	98	662865			0.00- 85.12	35.56
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	1510451	47.3257	47.326	80.00- 120.00	100.00
13.996	13.996 (0.998)	71	471341			0.00- 81.62	31.21
13.996	13.996 (0.998)	72	495868			0.00- 81.04	32.83
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	2171133	48.9973	48.997	80.00- 120.00	100.00
14.079	14.079 (1.004)	85	1416278			14.72- 114.72	65.23
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.032)	97	1942880	51.2212	51.221	80.00- 120.00	100.00
14.466	14.466 (1.032)	99	1245156			14.13- 114.13	64.09
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	1263580	50.3353	50.335	80.00- 120.00	100.00
14.466	14.466 (1.032)	56	2067525			112.62- 212.62	163.62
14.466	14.466 (1.032)	41	1123235			39.82- 139.82	88.89
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	1715784	52.0760	52.076	80.00- 120.00	100.00
14.715	14.715 (1.049)	117	1806691			56.14- 156.14	105.30
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	5668193	48.6831	48.683	80.00- 120.00	100.00
15.047	15.047 (1.073)	56	1859481			0.00- 82.94	32.81
15.047	15.047 (1.073)	41	1524545			0.00- 78.78	26.90
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	2827167	46.8724	46.872	80.00- 120.00	100.00
15.130	15.130 (0.958)	77	626937			0.00- 72.47	22.18
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.241 (0.965)	62	1711936	50.1905	50.190	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
93 1,2-Dichloroethane (continued)							
15.241	15.241 (0.965)	64	525954			0.00- 82.37	30.72
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	877430	49.8713	49.871	80.00- 120.00	100.00
15.351	15.351 (0.972)	43	2117515			207.18- 307.18	241.33
15.351	15.351 (0.972)	57	1159096			87.26- 187.26	132.10
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	1094291	49.1649	49.165	80.00- 120.00	100.00
16.264	16.264 (1.030)	130	945601			37.75- 137.75	86.41
16.264	16.264 (1.030)	97	703187			14.55- 114.55	64.26
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	1163244	46.9469	46.947	80.00- 120.00	100.00
16.761	16.761 (1.061)	62	833670			22.03- 122.03	71.67
16.761	16.761 (1.061)	41	827515			19.96- 119.96	71.14
106 1,4-Dioxane					CAS #: 123-91-1		
16.872	16.872 (1.068)	88	644448	47.8639	47.864	80.00- 120.00	100.00
16.872	16.872 (1.068)	58	586367			42.72- 142.72	90.99
16.872	16.872 (1.068)	57	213999			0.00- 83.16	33.21
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	2044407	50.5269	50.527	80.00- 120.00	100.00
17.176	17.176 (1.088)	85	1295411			13.63- 113.63	63.36
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	1490231	48.5794	48.579	80.00- 120.00	100.00
17.978	17.978 (1.138)	77	470779			0.00- 81.24	31.59
17.978	17.978 (1.138)	39	1145999			27.54- 127.54	76.90
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.172 (1.151)	58	1145177	50.9531	50.953	80.00- 120.00	100.00
18.171	18.172 (1.151)	43	2965485			214.50- 314.50	258.95
18.171	18.172 (1.151)	85	353571			0.00- 81.42	30.87
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	2927433	50.6443	50.644	80.00- 120.00	100.00
18.531	18.531 (1.173)	92	1788693			11.69- 111.69	61.10
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	1612569	48.4778	48.478	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	503950			0.00- 81.22	31.25
18.973	18.973 (0.903)	39	1144045			21.08- 121.08	70.95

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	990593	46.5289	46.529	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	624207			12.01- 112.01	63.01
19.305	19.333 (0.918)	83	932374			43.36- 143.36	94.12
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	1123811	44.9719	44.972	80.00- 120.00	100.00
19.499	19.499 (0.928)	129	930479			32.48- 132.48	82.80
19.499	19.499 (0.928)	131	883555			28.82- 128.82	78.62
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	1568708	49.7044	49.704	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	2981938			137.87- 237.87	190.09
19.637	19.637 (0.934)	100	195217			0.00- 62.47	12.44
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	1632246	50.1082	50.108	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	1275440			27.43- 127.43	78.14
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	1609512	46.1938	46.194	80.00- 120.00	100.00
20.273	20.273 (0.964)	109	1515213			44.87- 144.87	94.14
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	2109294	47.0123	47.012	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	680873			0.00- 81.60	32.28
21.075	21.075 (1.003)	77	1570794			24.73- 124.73	74.47
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	1119155	46.1853	46.185	80.00- 120.00	100.00
21.158	21.158 (1.007)	91	3659213			274.56- 374.56	326.96
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	1423488	46.0739	46.074	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	2960711			152.08- 252.08	207.99
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1256385	47.4990	47.499	80.00- 120.00	100.00
22.070	22.070 (1.050)	91	2727243			166.17- 266.17	217.07
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	2162378	45.0420	45.042	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1267701			8.55- 108.55	58.63
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1259026	52.4972	52.497	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
133 Bromoform (continued)							
22.512	22.512 (1.071)	171	651991			1.53- 101.53	51.79
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	3354260	41.6227	41.623	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	832383			0.00- 75.41	24.82
22.651	22.651 (1.078)	51	528877			0.00- 66.31	15.77
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	1909799	47.6506	47.651	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1229107			14.70- 114.70	64.36
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	4076909	48.6228	48.623	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	836449			0.00- 70.26	20.52
23.342	23.342 (1.110)	105	150064			0.00- 53.59	3.68
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	3353764	49.0092	49.009	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	953956			0.00- 78.38	28.44
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	2611795	45.6698	45.670	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1178633			0.00- 95.48	45.13
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2349024	45.7790	45.779	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1007646			0.00- 92.02	42.90
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	1391103	46.1061	46.106	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	884124			14.53- 114.53	63.56
24.807	24.807 (1.180)	111	615611			0.00- 93.95	44.25
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	1384646	45.9953	45.995	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	869014			12.92- 112.92	62.76
24.973	24.973 (1.188)	111	588589			0.00- 91.79	42.51
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	2326392	54.4642	54.464	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	424486			0.00- 68.68	18.25
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1187094	45.1863	45.186	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	745448			13.56- 113.56	62.80

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
25.609	25.609 (1.218)	111	543545			0.00- 96.52	45.79
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	552549	50.4703	50.470	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	522190			45.49- 145.49	94.51
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	471143	49.5884	49.588	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	295437			14.02- 114.02	62.71
19 Butane					CAS #: 106-97-8		
6.752	6.780 (0.481)	58	277748	48.1367	48.137	80.00- 120.00	100.00
6.752	6.780 (0.481)	43	2127468			714.53- 814.53	765.97
29 Isopentane					CAS #: 78-78-4		
8.218	8.245 (0.586)	43	1751442	48.9040	48.904	80.00- 120.00	100.00
8.218	8.245 (0.586)	57	1273446			22.27- 122.27	72.71
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	1425470	49.8464	49.846	80.00- 120.00	100.00
16.540	16.540 (1.179)	98	605166			0.00- 93.15	42.45
16.540	16.540 (1.179)	55	1697438			73.55- 173.55	119.08
11 Propylene					CAS #: 115-07-1		
5.729	5.729 (0.409)	41	931289	50.6917	50.692	80.00- 120.00	100.00
5.702	5.729 (0.407)	42	648947			22.02- 122.02	69.68
5.729	5.729 (0.409)	39	732660			26.75- 126.75	78.67
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	624552	27.2139	27.214	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	80786			0.00- 63.00	12.94

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030703.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/07Mar2007.b/t14q306a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 07-MAR-2007
Calibration Time: 10:52
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	262915	157749	368081	263493	0.22
97 1,4-Difluorobenze	1000470	600282	1400658	1012799	1.23
126 Chlorobenzene-d5	819942	491965	1147919	839830	2.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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: 07-Mar-2007 12:19

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 07Mar2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: 2926Spectra.sub
Method File: /chem/msdt.i/07Mar2007.b/t14q306a.m
Misc Info: 200ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	50.547	101.09	70-130
16 Freon 114	50.000	52.194	104.39	70-130
18 Chloromethane	50.000	50.113	100.23	70-130
20 Vinyl Chloride	50.000	50.043	100.09	70-130
22 1,3-Butadiene	50.000	45.950	91.90	60-140
25 Bromomethane	50.000	54.687	109.37	70-130
27 Chloroethane	50.000	52.784	105.57	70-130
31 Trichlorofluoromet	50.000	50.578	101.16	70-130
38 Ethanol	50.000	58.277	116.55	60-140
42 Freon 113	50.000	55.146	110.29	70-130
43 1,1-Dichloroethene	50.000	55.026	110.05	70-130
45 Acetone	50.000	53.289	106.58	60-140
47 Carbon Disulfide	50.000	51.138	102.28	60-140
46 2-Propanol	50.000	52.079	104.16	60-140
54 Methylene Chloride	50.000	53.026	106.05	70-130
60 MTBE	50.000	52.751	105.50	60-140
61 trans-1,2-Dichloro	50.000	49.941	99.88	60-140
65 Hexane	50.000	49.405	98.81	60-140
70 1,1-Dichloroethane	50.000	51.784	103.57	70-130
76 cis-1,2-Dichloroet	50.000	50.267	100.53	70-130
75 2-Butanone	50.000	50.942	101.89	60-140
80 Tetrahydrofuran	50.000	47.326	94.65	60-140
82 Chloroform	50.000	48.997	97.99	70-130
85 Cyclohexane	50.000	50.335	100.67	60-140
83 1,1,1-Trichloroeth	50.000	51.221	102.44	70-130
87 Carbon Tetrachlori	50.000	52.076	104.15	70-130
91 Benzene	50.000	46.872	93.74	70-130
93 1,2-Dichloroethane	50.000	50.190	100.38	70-130
94 Heptane	50.000	49.871	99.74	60-140
101 Trichloroethene	50.000	49.165	98.33	70-130
104 1,2-Dichloropropan	50.000	46.947	93.89	70-130
106 1,4-Dioxane	50.000	47.864	95.73	60-140
107 Bromodichlorometha	50.000	50.527	101.05	60-140

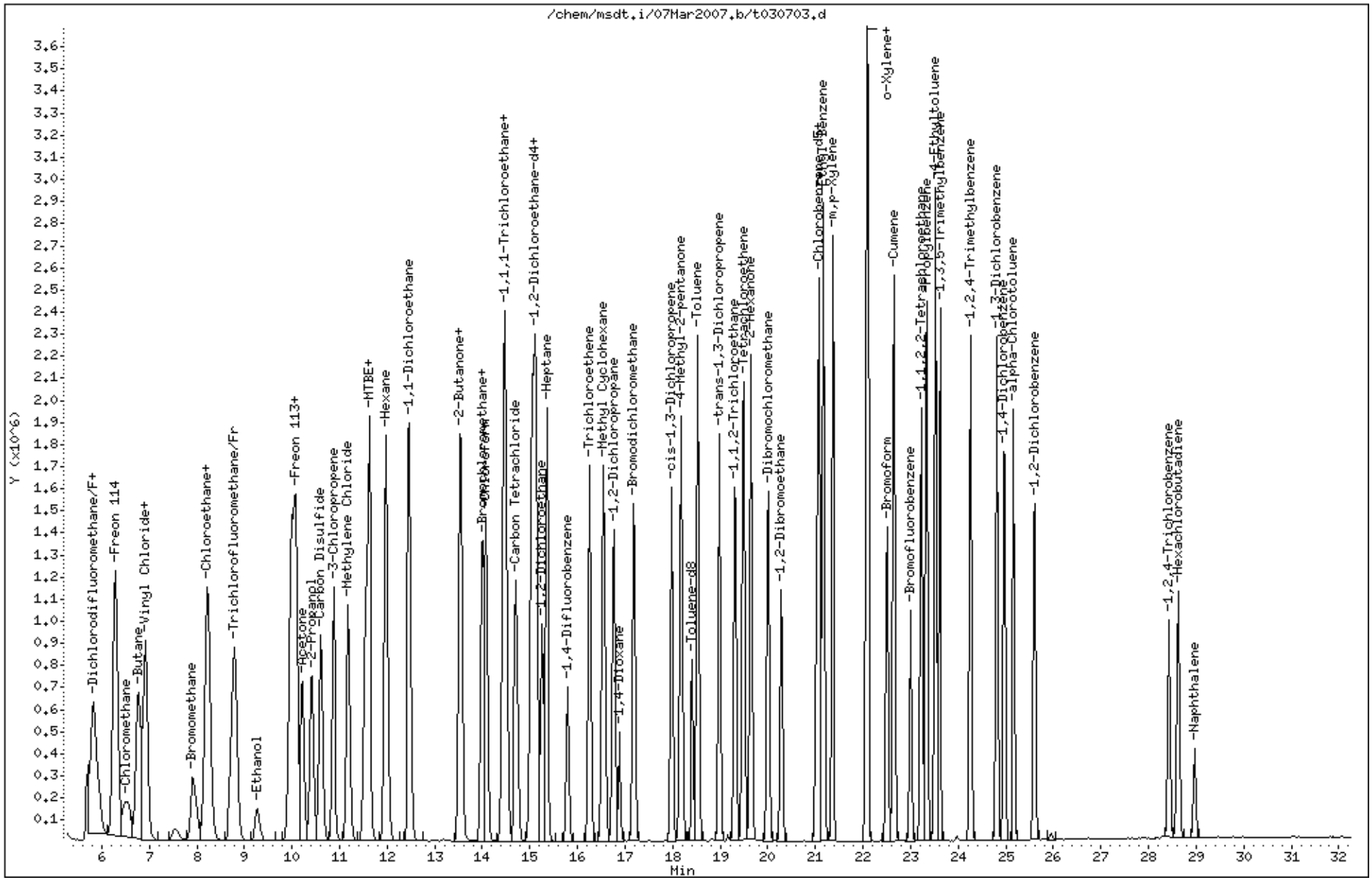
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	48.579	97.16	70-130
111 4-Methyl-2-pentano	50.000	50.953	101.91	60-140
114 Toluene	50.000	50.644	101.29	70-130
116 trans-1,3-Dichloro	50.000	48.478	96.96	70-130
117 1,1,2-Trichloroeth	50.000	46.529	93.06	70-130
120 Tetrachloroethene	50.000	44.972	89.94	70-130
121 2-Hexanone	50.000	49.704	99.41	60-140
122 Dibromochlorometha	50.000	50.108	100.22	60-140
123 1,2-Dibromoethane	50.000	46.194	92.39	70-130
127 Chlorobenzene	50.000	47.012	94.02	70-130
128 Ethyl Benzene	50.000	46.185	92.37	70-130
129 m,p-Xylene	50.000	46.074	92.15	70-130
130 o-Xylene	50.000	47.499	95.00	70-130
131 Styrene	50.000	45.042	90.08	70-130
133 Bromoform	50.000	52.497	104.99	60-140
140 1,1,2,2-Tetrachlor	50.000	47.651	95.30	70-130
145 4-Ethyltoluene	50.000	49.009	98.02	60-140
147 1,3,5-Trimethylben	50.000	45.670	91.34	70-130
150 1,2,4-Trimethylben	50.000	45.779	91.56	70-130
155 1,3-Dichlorobenzen	50.000	46.106	92.21	70-130
156 1,4-Dichlorobenzen	50.000	45.995	91.99	70-130
159 alpha-Chlorotoluen	50.000	54.464	108.93	70-130
161 1,2-Dichlorobenzen	50.000	45.186	90.37	70-130
165 1,2,4-Trichloroben	50.000	50.470	100.94	70-130
166 Hexachlorobutadien	50.000	49.588	99.18	70-130
142 Propylbenzene	50.000	48.623	97.25	60-140
134 Cumene	50.000	41.623	83.25	60-140
51 3-Chloropropene	50.000	50.212	100.43	60-140
89 2,2,4-Trimethylpen	50.000	48.683	97.37	60-140
19 Butane	50.000	48.137	96.27	70-130
29 Isopentane	50.000	48.904	97.81	70-130
102 Methyl Cyclohexane	50.000	49.846	99.69	70-130
11 Propylene	50.000	50.692	101.38	60-140
167 Naphthalene	25.000	27.214	108.86	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.514	102.06	70-130
$ 113 Toluene-d8	25.000	24.995	99.98	70-130
$ 137 Bromofluorobenzene	25.000	25.316	101.26	70-130

Data File: /chem/msdt.i/07Mar2007.b/t030703.d
Date : 07-MAR-2007 11:44
Client ID: LCS-1
Sample Info: 50mL #1408-386

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030603.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 06-MAR-2007 16:57
Operator : sjr Inst ID: msdt.i
Smp Info : 0.2mL #1487-115
Misc Info : 200ppbv-0.2ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:50 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 16:57 Cal File: t030603.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	267865	25.0000		50.00- 150.00	100.00
14.024	14.024 (1.000)	128	208622			27.88- 127.88	77.88
14.024	14.024 (1.000)	49	647054			191.56- 291.56	241.56
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1008519	25.0000		50.00- 150.00	100.00
15.793	15.793 (1.000)	88	185647			0.00- 68.41	18.41
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	812508	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	528943			15.10- 115.10	65.10
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	509978	25.0000	25.000	50.00- 150.00	100.00
15.102	15.102 (1.077)	67	246475			0.00- 98.33	48.33
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1020698	25.0000	25.000	50.00- 150.00	100.00
18.420	18.420 (1.166)	70	134420			0.00- 63.17	13.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	719670			20.51- 120.51	70.51
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	371737	25.0000	25.000	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	578871			105.72- 205.72	155.72
23.010	23.010 (1.095)	176	360927			47.09- 147.09	97.09
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	10713	0.20000	0.2000	50.00- 150.00	100.00(a)
14.079	14.079 (1.004)	85	6997			15.31- 115.31	65.31
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	14147	0.20000	0.2000	50.00- 150.00	100.00(a)
15.158	15.158 (0.960)	77	3527			0.00- 74.93	24.93
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	14533	0.20000	0.2000	50.00- 150.00	100.00(a)
22.098	22.098 (1.051)	78	8916			11.35- 111.35	61.35
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	27894	0.20000	0.2000	50.00- 150.00	100.00(a)
22.651	22.651 (1.078)	120	7565			0.00- 77.12	27.12
22.651	22.651 (1.078)	51	5061			0.00- 68.14	18.14

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: msdt.i
Lab File ID: t030603.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv-0.2ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	267865	2.43
97 1,4-Difluorobenze	1003370	602022	1404718	1008519	0.51
126 Chlorobenzene-d5	803302	481981	1124623	812508	1.15

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/06Mar2007.b/t030603.d

Date : 06-MAR-2007 16:57

Client ID: Level 1

Sample Info: 0.2mL #1487-115

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

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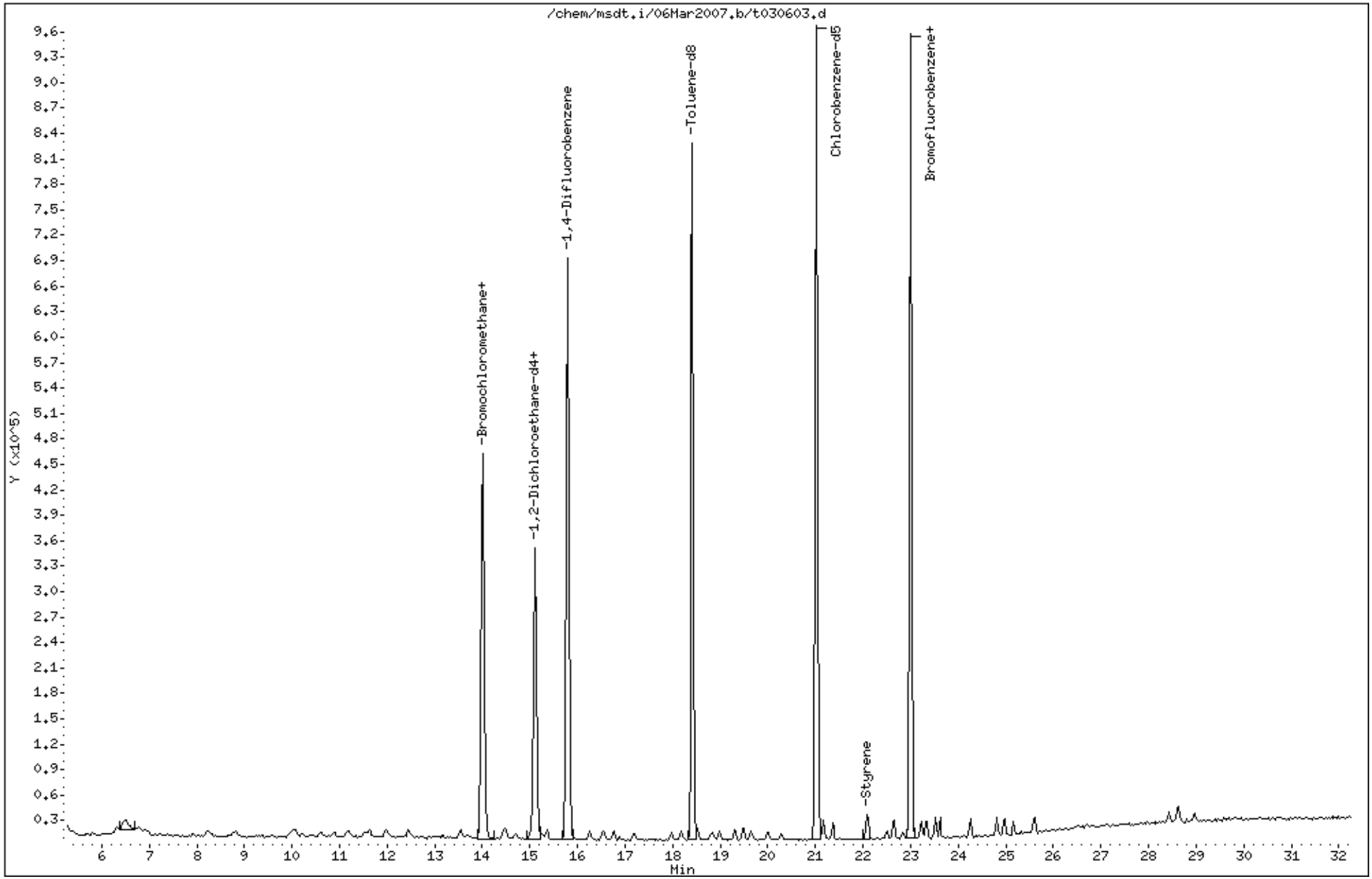


Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030611.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 07-MAR-2007 08:34
Operator : sjr Inst ID: msdt.i
Smp Info : 0.5mL #1487-115
Misc Info : 200ppbv-0.5ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:50 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2007 08:34 Cal File: t030611.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane						CAS #: 74-97-5	
14.024	14.024 (1.000)	130	256288	25.0000		50.00- 150.00	100.00
14.024	14.024 (1.000)	128	198935			27.75- 127.75	77.62
14.024	14.024 (1.000)	49	610991			189.98- 289.98	238.40
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
15.794	15.794 (1.000)	114	955577	25.0000		50.00- 150.00	100.00
15.794	15.794 (1.000)	88	180685			0.00- 68.66	18.91
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
21.019	21.019 (1.000)	117	745557	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	493446			15.64- 115.64	66.18
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.102	15.102 (1.077)	65	501165	25.0000	25.334	50.00- 150.00	100.00
15.102	15.102 (1.077)	67	246429			0.00- 98.75	49.17
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.420	18.420 (1.166)	98	971137	25.0000	25.052	50.00- 150.00	100.00
18.420	18.420 (1.166)	70	124652			0.00- 63.00	12.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	692380			20.90- 120.90	71.30
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	328956	25.0000	24.547	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	533345			108.93- 208.93	162.13
23.010	23.010 (1.095)	176	317725			46.84- 146.84	96.59
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.840	5.840 (0.416)	85	25246	0.50000	0.5000	50.00- 150.00	100.00
5.868	5.868 (0.418)	87	8225			0.00- 82.58	32.58
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.450)	135	15409	0.50000	0.5000	50.00- 150.00	100.00
6.338	6.338 (0.452)	137	4440			0.00- 78.81	28.81
20 Vinyl Chloride					CAS #: 75-01-4		
6.835	6.835 (0.487)	62	12279	0.50000	0.5000	50.00- 150.00	100.00
6.891	6.891 (0.491)	64	3194			0.00- 76.01	26.01
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.495)	54	13427	0.50000	0.5000	50.00- 150.00	100.00
6.918	6.918 (0.493)	39	15320			64.10- 164.10	114.10
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.564)	94	8679	0.50000	0.5000	50.00- 150.00	100.00
7.941	7.941 (0.566)	96	8360			46.32- 146.32	96.32
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.588)	64	6879	0.50000	0.5000	50.00- 150.00	100.00
8.245	8.245 (0.588)	49	1547			0.00- 72.49	22.49
0.000	1.000 (0.000)	66	0			0.00- 50.00	0.00
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.826	8.826 (0.629)	101	30127	0.50000	0.5000	50.00- 150.00	100.00
8.826	8.826 (0.629)	103	20529			18.14- 118.14	68.14
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	12391	0.50000	0.5000	50.00- 150.00	100.00
10.015	10.015 (0.714)	153	9371			25.63- 125.63	75.63
9.987	9.987 (0.712)	101	19438			106.87- 206.87	156.87
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	21503	0.50000	0.5000	50.00- 150.00	100.00
10.070	10.070 (0.718)	96	9869			0.00- 95.90	45.90
10.070	10.070 (0.718)	98	6722			0.00- 81.26	31.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide					CAS #: 75-15-0		
10.596	10.596 (0.756)	76	31930	0.50000	0.5000	50.00- 150.00	100.00
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	18811	0.50000	0.5000	50.00- 150.00	100.00
11.176	11.176 (0.797)	84	9398			0.00- 99.96	49.96
11.204	11.204 (0.799)	51	6151			0.00- 82.70	32.70
60 MTBE					CAS #: 1634-04-4		
11.563	11.563 (0.825)	73	26140	0.50000	0.5000	50.00- 150.00	100.00
11.508	11.508 (0.821)	57	8386			0.00- 82.08	32.08
11.536	11.536 (0.823)	41	8213			0.00- 81.42	31.42
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.619	11.619 (0.828)	96	11259	0.50000	0.5000	50.00- 150.00	100.00
11.619	11.619 (0.828)	61	20301			130.31- 230.31	180.31
11.619	11.619 (0.828)	98	5977			3.09- 103.09	53.09
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	23259	0.50000	0.5000	50.00- 150.00	100.00
11.978	11.978 (0.854)	43	16643			21.56- 121.56	71.56
12.006	12.006 (0.856)	86	2609			0.00- 61.22	11.22
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	23688	0.50000	0.5000	50.00- 150.00	100.00
12.476	12.476 (0.890)	65	8709			0.00- 86.77	36.77
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	4512	0.50000	0.5000	50.00- 150.00	100.00
13.526	13.526 (0.964)	43	27571			561.06- 661.06	611.06
13.526	13.526 (0.964)	57	2420			3.63- 103.63	53.63
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	18401	0.50000	0.5000	50.00- 150.00	100.00
13.554	13.554 (0.966)	96	10007			4.38- 104.38	54.38
13.554	13.554 (0.966)	98	6561			0.00- 85.66	35.66
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	16789	0.50000	0.5000	50.00- 150.00	100.00
14.024	14.024 (1.000)	71	4504			0.00- 76.83	26.83
13.996	13.996 (0.998)	72	4515			0.00- 76.89	26.89
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	21868	0.50000	0.4604	50.00- 150.00	100.00(a)
14.079	14.079 (1.004)	85	13583			13.71- 113.71	62.11

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.467	14.467 (1.032)	97	18629	0.50000	0.5000	50.00- 150.00	100.00
14.467	14.467 (1.032)	99	11796			13.32- 113.32	63.32
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.034)	84	12595	0.50000	0.5000	50.00- 150.00	100.00
14.467	14.467 (1.032)	56	19992			108.73- 208.73	158.73
14.467	14.467 (1.032)	41	14600			65.92- 165.92	115.92
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	15198	0.50000	0.5000	50.00- 150.00	100.00
14.715	14.715 (1.049)	117	15826			54.13- 154.13	104.13
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	30011	0.50000	0.4724	50.00- 150.00	100.00(a)
15.130	15.130 (0.958)	77	6095			0.00- 72.62	20.31
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	57358	0.50000	0.5000	50.00- 150.00	100.00
15.047	15.047 (1.073)	56	19211			0.00- 83.49	33.49
15.047	15.047 (1.073)	41	19478			0.00- 83.96	33.96
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.241 (0.965)	62	16117	0.50000	0.5000	50.00- 150.00	100.00
15.241	15.241 (0.965)	64	5838			0.00- 86.22	36.22
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	7638	0.50000	0.5000	50.00- 150.00	100.00
15.351	15.351 (0.972)	43	23015			251.32- 351.32	301.32
15.351	15.351 (0.972)	57	11175			96.31- 196.31	146.31
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	11047	0.50000	0.5000	50.00- 150.00	100.00
16.264	16.264 (1.030)	130	10128			41.68- 141.68	91.68
16.264	16.264 (1.030)	97	8003			22.45- 122.45	72.45
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.734	16.734 (1.060)	63	12855	0.50000	0.5000	50.00- 150.00	100.00
16.761	16.761 (1.061)	62	9341			22.66- 122.66	72.66
16.761	16.761 (1.061)	41	11002			35.59- 135.59	85.59
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	20745	0.50000	0.5000	50.00- 150.00	100.00
17.176	17.176 (1.088)	85	13643			15.77- 115.77	65.77
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	15269	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
110 cis-1,3-Dichloropropene (continued)							
17.978	17.978 (1.138)	77	5106			0.00- 83.44	33.44
17.978	17.978 (1.138)	39	13311			37.18- 137.18	87.18
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.172	18.172 (1.151)	58	9514	0.50000	0.5000	50.00- 150.00	100.00
18.172	18.172 (1.151)	43	25910			222.34- 322.34	272.34
18.172	18.172 (1.151)	85	2962			0.00- 81.13	31.13
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	30099	0.50000	0.5000	50.00- 150.00	100.00
18.531	18.531 (1.173)	92	18454			11.31- 111.31	61.31
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	16317	0.50000	0.5000	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	5010			0.00- 80.70	30.70
18.973	18.973 (0.903)	39	12980			29.55- 129.55	79.55
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	11102	0.50000	0.5000	50.00- 150.00	100.00
19.305	19.305 (0.918)	99	7516			17.70- 117.70	67.70
19.333	19.333 (0.920)	83	10411			43.78- 143.78	93.78
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	13887	0.50000	0.5000	50.00- 150.00	100.00
19.499	19.499 (0.928)	129	9728			20.05- 120.05	70.05
19.499	19.499 (0.928)	131	10606			26.37- 126.37	76.37
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	15838	0.50000	0.5000	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	11379			21.85- 121.85	71.85
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	18063	0.50000	0.5000	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	16904			43.58- 143.58	93.58
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	24136	0.50000	0.5000	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	8328			0.00- 84.50	34.50
21.075	21.075 (1.003)	77	31419			80.17- 180.17	130.17
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	12998	0.50000	0.5000	50.00- 150.00	100.00
21.158	21.158 (1.007)	91	43292			283.07- 383.07	333.07
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	17140	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene (continued)							
21.351	21.351 (1.016)	91	33365			144.66- 244.66	194.66
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	15105	0.50000	0.5000	50.00- 150.00	100.00
22.070	22.070 (1.050)	91	32866			167.58- 267.58	217.58
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	22360	0.50000	0.4014	50.00- 150.00	100.00(a)
22.098	22.098 (1.051)	78	13932			11.83- 111.83	62.31
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	12334	0.50000	0.5000	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	5917			0.00- 97.97	47.97
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	39587	0.50000	0.3822	50.00- 150.00	100.00(a)
22.651	22.651 (1.078)	120	10737			0.00- 77.12	27.12
22.651	22.651 (1.078)	51	6493			0.00- 67.27	16.40
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	23793	0.50000	0.5000	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	15468			15.01- 115.01	65.01
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	49701	0.50000	0.5000	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	9305			0.00- 68.72	18.72
23.342	23.342 (1.110)	105	1755			0.00- 53.53	3.53
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	38818	0.50000	0.5000	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	11433			0.00- 79.45	29.45
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	35979	0.50000	0.5000	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	16300			0.00- 95.30	45.30
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	31793	0.50000	0.5000	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	12669			0.00- 89.85	39.85
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	19436	0.50000	0.5000	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	13096			17.38- 117.38	67.38
24.807	24.807 (1.180)	111	8447			0.00- 93.46	43.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	19378	0.50000	0.5000	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	11752			10.65- 110.65	60.65
24.973	24.973 (1.188)	111	7619			0.00- 89.32	39.32
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	23261	0.50000	0.5000	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	4107			0.00- 67.66	17.66
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	16664	0.50000	0.5000	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	11420			18.53- 118.53	68.53
25.609	25.609 (1.218)	111	8814			2.89- 102.89	52.89
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	14371	0.50000	0.5000	50.00- 150.00	100.00
16.540	16.540 (1.179)	98	6617			0.00- 96.04	46.04
16.540	16.540 (1.179)	55	18633			79.66- 179.66	129.66

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: msdt.i
Lab File ID: t030611.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv-0.5ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	256288	-2.00
97 1,4-Difluorobenze	1003370	602022	1404718	955577	-4.76
126 Chlorobenzene-d5	803302	481981	1124623	745557	-7.19

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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.

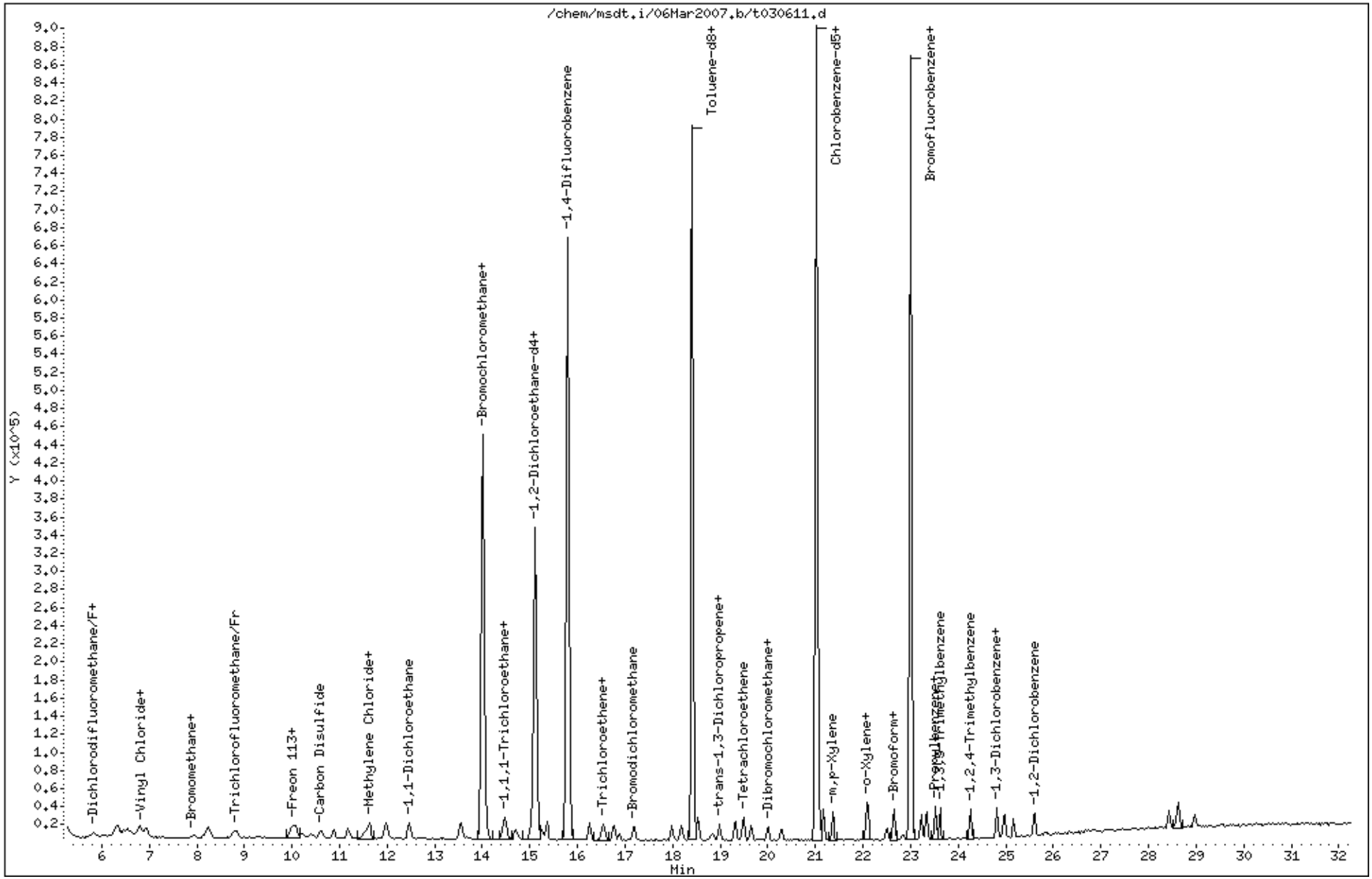
0090

Data File: /chem/msdt.i/06Mar2007.b/t030611.d
Date : 07-MAR-2007 08:34
Client ID: Level 2
Sample Info: 0.5mL #1487-115

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Mar2007.b/t031502.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 15-MAR-2007 12:05
Operator : sjr Inst ID: msdt.i
Smp Info : 2mL #1443-13
Misc Info : 200ppbv-2ppbv
Comment :
Method : /chem/msdt.i/15Mar2007.b/t14q306b.m
Meth Date : 16-Mar-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 15-MAR-2007 12:05 Cal File: t031502.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp17b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)		TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======		============	=====
* 81 Bromochloromethane						CAS #: 74-97-5		
14.024	14.024 (1.000)	130	271115	25.0000			50.00- 150.00	100.00
14.024	14.024 (1.000)	128	215855				27.74- 127.74	79.62
14.024	14.024 (1.000)	49	744368				242.30- 342.30	274.56
* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1028618	25.0000			50.00- 150.00	100.00
15.793	15.793 (1.000)	88	197356				0.00- 68.94	19.19
* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	784109	25.0000			50.00- 150.00	100.00
21.019	21.019 (1.000)	82	516504				15.81- 115.81	65.87
96 2-Heptanone						CAS #: 110-43-0		
22.208	22.208 (1.584)	58	50498	2.00000	1.357		50.00- 150.00	100.00(a)
22.208	22.208 (1.584)	43	90355				125.03- 225.03	178.93
146 Diisobutyl Ketone						CAS #: 108-83-8		
23.784	23.784 (1.132)	57	103752	2.00000	1.672		50.00- 150.00	100.00(a)
23.784	23.784 (1.132)	85	57077				5.64- 105.64	55.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
146 Diisobutyl Ketone (continued)							
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
98 1-Butanol					CAS #: 71-36-3		
15.987	15.987 (1.012)	56	26736	2.00000	1.333	50.00- 150.00	100.00(a)
15.959	15.959 (1.010)	41	27672			40.15- 140.15	103.50
15.987	15.987 (1.012)	43	17132			11.56- 111.56	64.08
71 1-Propanol					CAS #: 71-23-8		
12.531	12.531 (0.894)	42	12959	2.00000	1.819	50.00- 150.00	100.00(a)
12.393	12.393 (0.884)	59	29294			122.96- 222.96	226.05
12.393	12.393 (0.884)	41	47900			296.58- 396.58	369.63
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.259	11.259 (0.803)	59	99936	2.00000	1.726	50.00- 150.00	100.00(a)
11.231	11.231 (0.801)	41	33339			0.00- 83.36	33.36
11.259	11.259 (0.803)	57	10936			0.00- 60.94	10.94
68 Isopropyl ether					CAS #: 108-20-3		
12.393	12.393 (0.884)	45	207299	2.00000	1.874	50.00- 150.00	100.00(a)
12.393	12.393 (0.884)	87	34070			0.00- 66.47	16.44
12.393	12.393 (0.884)	59	29294			0.00- 61.61	14.13
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.056	13.056 (0.931)	59	147148	2.00000	1.656	50.00- 150.00	100.00(a)
13.056	13.056 (0.931)	87	45318			0.00- 80.13	30.80
13.056	13.056 (0.931)	41	35313			0.00- 72.10	24.00
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.083)	73	76017	2.00000	1.647	50.00- 150.00	100.00(a)
15.185	15.185 (1.083)	87	18886			0.00- 74.33	24.84
15.185	15.185 (1.083)	55	34971			0.00- 92.41	46.00
77 Ethyl Acetate					CAS #: 141-78-6		
13.526	13.526 (0.964)	45	20568	2.00000	1.848	50.00- 150.00	100.00(a)
13.526	13.526 (0.964)	61	16274			31.56- 131.56	79.12
13.526	13.526 (0.964)	43	140208			641.88- 741.88	681.68
119 Butyl Acetate					CAS #: 123-86-4		
19.747	19.747 (1.250)	56	43557	2.00000	1.534	50.00- 150.00	100.00(a)
19.747	19.747 (1.250)	73	9683			0.00- 73.34	22.23
19.747	19.747 (1.250)	43	114265			212.38- 312.38	262.33
135 Cyclohexanone					CAS #: 108-94-1		
22.955	22.955 (1.092)	55	48784	2.00000	1.586	50.00- 150.00	100.00(a)
22.955	22.955 (1.092)	98	12346			0.00- 75.98	25.31

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
22.955	22.955 (1.092)	42	34354			21.44- 121.44	70.42
40 Freon123a					CAS #: 354-23-4		
9.655	9.655 (0.688)	67	57084	2.00000	1.957	50.00- 150.00	100.00(a)
9.628	9.628 (0.686)	117	30452			2.93- 102.93	53.35
41 Freon123					CAS #: 306-83-2		
9.793	9.793 (0.698)	83	33583	2.00000	2.043	50.00- 150.00	100.00
9.766	9.766 (0.696)	133	4406			0.00- 64.89	13.12
9.766	9.766 (0.696)	85	20623			11.66- 111.66	61.41
13 Freon 134a					CAS #: 811-97-2		
5.618	5.618 (0.401)	83	45381	2.00000	2.038	50.00- 150.00	100.00
5.452	5.452 (0.389)	69	146587			262.56- 362.56	323.01
15 Freon 152a					CAS #: 75-37-6		
5.812	5.812 (0.414)	65	43097	2.00000	2.646	50.00- 150.00	100.00
5.895	5.895 (0.420)	51	232097			583.26- 683.26	538.55
5.812	5.812 (0.414)	47	28999			20.15- 120.15	67.29
6 Freon142b					CAS #: 75-68-3		
6.393	6.393 (0.456)	65	84587	2.00000	2.002	50.00- 150.00	100.00
6.393	6.393 (0.456)	45	26341			0.00- 81.15	31.14
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.826	8.826 (0.629)	67	66812	2.00000	1.974	50.00- 150.00	100.00(a)
8.826	8.826 (0.629)	69	19149			0.00- 79.13	28.66
8.798	8.798 (0.627)	35	1609			0.00- 55.26	2.41

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: msdt.i
Lab File ID: t031502.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m
Misc Info: 200ppbv-2ppbv

Calibration Date: 15-MAR-2007
Calibration Time: 12:47
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	281387	168832	393942	271115	-3.65
97 1,4-Difluorobenze	1032064	619238	1444890	1028618	-0.33
126 Chlorobenzene-d5	827910	496746	1159074	784109	-5.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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.

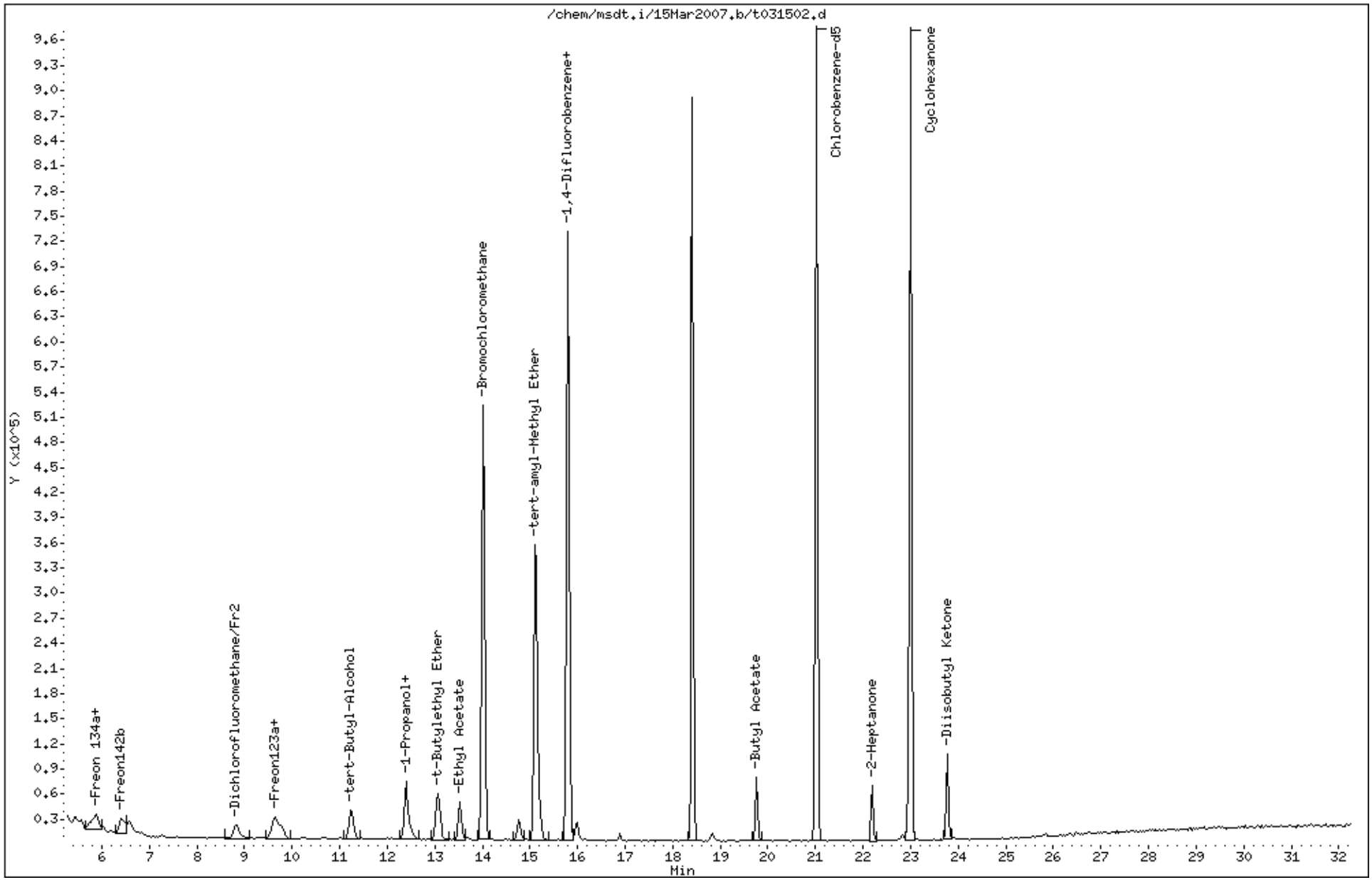
0095

Data File: /chem/msdt.i/15Mar2007.b/t031502.d
Date : 15-MAR-2007 12:05
Client ID: Level 3
Sample Info: 2mL #1443-13

Instrument: msdt.i

Operator: sjr

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030605.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 06-MAR-2007 18:29
Operator : srs Inst ID: msdt.i
Smp Info : 2.0mL #1487-115
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:50 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 18:29 Cal File: t030605.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.024	14.024 (1.000)	130	260544	25.0000		50.00- 150.00		100.00
14.024	14.024 (1.000)	128	204252			27.97- 127.97		78.39
14.024	14.024 (1.000)	49	652784			193.50- 293.50		250.55
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.794	15.794 (1.000)	114	995111	25.0000		50.00- 150.00		100.00
15.794	15.794 (1.000)	88	188888			0.00- 68.77		18.98
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	746837	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	486798			15.49- 115.49		65.18
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
15.102	15.102 (1.077)	65	513615	25.0000	25.357	50.00- 150.00		100.00
15.102	15.102 (1.077)	67	246666			0.00- 98.51		48.03
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.420	18.420 (1.166)	98	991476	25.0000	24.705	50.00- 150.00		100.00
18.420	18.420 (1.166)	70	132341			0.00- 63.12		13.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	711375			21.18- 121.18	71.75
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.010	23.010 (1.095)	174	335589	25.0000	24.999	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	542750			109.86- 209.86	161.73
23.010	23.010 (1.095)	176	327126			47.05- 147.05	97.48
11 Propylene						CAS #: 115-07-1	
5.729	5.729 (0.409)	41	35881	2.00000	2.000	50.00- 150.00	100.00
5.757	5.757 (0.410)	42	29410			31.97- 131.97	81.97
5.757	5.757 (0.410)	39	25395			20.78- 120.78	70.78
12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
5.867	5.867 (0.418)	85	92699	2.00000	1.898	50.00- 150.00	100.00
5.895	5.895 (0.420)	87	30235			0.00- 82.60	32.62
16 Freon 114						CAS #: 76-14-2	
6.337	6.337 (0.452)	135	60478	2.00000	1.964	50.00- 150.00	100.00
6.337	6.337 (0.452)	137	18814			0.00- 79.96	31.11
18 Chloromethane						CAS #: 74-87-3	
6.586	6.586 (0.470)	50	39746	2.00000	2.000	50.00- 150.00	100.00
6.586	6.586 (0.470)	52	15418			0.00- 88.79	38.79
20 Vinyl Chloride						CAS #: 75-01-4	
6.863	6.863 (0.489)	62	44610	2.00000	1.887	50.00- 150.00	100.00
6.890	6.890 (0.491)	64	16940			0.00- 81.99	37.97
22 1,3-Butadiene						CAS #: 106-99-0	
6.973	6.973 (0.497)	54	50502	2.00000	1.922	50.00- 150.00	100.00
6.946	6.946 (0.495)	39	48392			54.96- 154.96	95.82
25 Bromomethane						CAS #: 74-83-9	
7.941	7.941 (0.566)	94	32343	2.00000	1.913	50.00- 150.00	100.00
7.941	7.941 (0.566)	96	31866			47.42- 147.42	98.53
27 Chloroethane						CAS #: 75-00-3	
8.273	8.273 (0.590)	64	22608	2.00000	1.788	50.00- 150.00	100.00
8.273	8.273 (0.590)	49	7213			0.00- 77.20	31.90
8.273	8.273 (0.590)	66	7243			0.00- 82.04	32.04
31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
8.826	8.826 (0.629)	101	108898	2.00000	1.882	50.00- 150.00	100.00
8.826	8.826 (0.629)	103	72986			17.58- 117.58	67.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.661)	45	18896	2.00000	2.000	50.00- 150.00	100.00
9.296	9.296 (0.663)	43	5007			0.00- 76.50	26.50
9.268	9.268 (0.661)	46	7370			0.00- 89.00	39.00
42 Freon 113					CAS #: 76-13-1		
10.015	10.015 (0.714)	151	52251	2.00000	2.036	50.00- 150.00	100.00
10.015	10.015 (0.714)	153	32101			18.53- 118.53	61.44
10.015	10.015 (0.714)	101	75653			100.83- 200.83	144.79
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.098	10.098 (0.720)	61	85053	2.00000	1.972	50.00- 150.00	100.00
10.098	10.098 (0.720)	96	37697			0.00- 95.11	44.32
10.098	10.098 (0.720)	98	24440			0.00- 80.00	28.74
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.730)	58	26312	2.00000	2.000	50.00- 150.00	100.00
10.236	10.236 (0.730)	43	83226			266.30- 366.30	316.30
46 2-Propanol					CAS #: 67-63-0		
10.430	10.430 (0.744)	45	87953	2.00000	2.000	50.00- 150.00	100.00
10.430	10.430 (0.744)	43	22879			0.00- 76.01	26.01
10.430	10.430 (0.744)	59	3608			0.00- 54.10	4.10
47 Carbon Disulfide					CAS #: 75-15-0		
10.623	10.623 (0.757)	76	122060	2.00000	1.938	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	18934	2.00000	2.000	50.00- 150.00	100.00
10.872	10.872 (0.775)	41	75372			348.08- 448.08	398.08
54 Methylene Chloride					CAS #: 75-09-2		
11.204	11.204 (0.799)	49	66565	2.00000	1.861	50.00- 150.00	100.00
11.204	11.204 (0.799)	84	35107			1.35- 101.35	52.74
11.204	11.204 (0.799)	51	21009			0.00- 82.13	31.56
60 MTBE					CAS #: 1634-04-4		
11.536	11.536 (0.823)	73	102267	2.00000	1.961	50.00- 150.00	100.00
11.563	11.563 (0.825)	57	33523			0.00- 82.43	32.78
11.563	11.563 (0.825)	41	34168			0.00- 82.41	33.41
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.646	11.646 (0.830)	96	41310	2.00000	1.897	50.00- 150.00	100.00
11.618	11.618 (0.828)	61	80824			137.98- 237.98	195.65
11.618	11.618 (0.828)	98	26028			8.05- 108.05	63.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	91011	2.00000	1.962	50.00- 150.00	100.00
11.978	11.978 (0.854)	43	57580			17.41- 117.41	63.27
12.006	12.006 (0.856)	86	9633			0.00- 60.90	10.58
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	8283	2.00000	2.000	50.00- 150.00	100.00
12.448	12.448 (0.888)	43	136918			1603.00-1703.00	1653.00
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	96152	2.00000	1.998	50.00- 150.00	100.00
12.476	12.476 (0.890)	65	27214			0.00- 82.53	28.30
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	19682	2.00000	2.070	50.00- 150.00	100.00
13.526	13.526 (0.964)	43	106067			524.98- 624.98	538.90
13.526	13.526 (0.964)	57	10187			2.70- 102.70	51.76
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	65874	2.00000	1.873	50.00- 150.00	100.00
13.554	13.554 (0.966)	96	36352			4.78- 104.78	55.18
13.554	13.554 (0.966)	98	22495			0.00- 84.90	34.15
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (1.000)	42	56671	2.00000	1.814	50.00- 150.00	100.00
14.024	14.024 (1.000)	71	16735			0.00- 78.18	29.53
14.024	14.024 (1.000)	72	17611			0.00- 78.98	31.08
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	74664	2.00000	1.673	50.00- 150.00	100.00
14.107	14.107 (1.006)	85	49172			14.43- 114.43	65.86
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.032)	97	69240	2.00000	1.910	50.00- 150.00	100.00
14.466	14.466 (1.032)	99	44275			13.63- 113.63	63.94
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	45484	2.00000	1.881	50.00- 150.00	100.00
14.466	14.466 (1.032)	56	76527			113.49- 213.49	168.25
14.466	14.466 (1.032)	41	43283			55.54- 155.54	95.16
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	56223	2.00000	1.905	50.00- 150.00	100.00
14.715	14.715 (1.049)	117	58489			54.08- 154.08	104.03
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	105868	2.00000	1.715	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.130	15.130 (0.958)	77	23730			0.00- 72.55	22.41
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	211766	2.00000	1.903	50.00- 150.00	100.00
15.047	15.047 (1.073)	56	70306			0.00- 83.35	33.20
15.047	15.047 (1.073)	41	59224			0.00- 80.96	27.97
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.241 (0.965)	62	59694	2.00000	1.883	50.00- 150.00	100.00
15.241	15.241 (0.965)	64	20294			0.00- 85.11	34.00
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	31436	2.00000	1.988	50.00- 150.00	100.00
15.351	15.351 (0.972)	43	78656			225.77- 325.77	250.21
15.351	15.351 (0.972)	57	44710			94.27- 194.27	142.23
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	39024	2.00000	1.836	50.00- 150.00	100.00
16.264	16.264 (1.030)	130	33251			38.44- 138.44	85.21
16.264	16.264 (1.030)	97	25070			18.34- 118.34	64.24
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	44252	2.00000	1.810	50.00- 150.00	100.00
16.761	16.761 (1.061)	62	31521			21.95- 121.95	71.23
16.761	16.761 (1.061)	41	35437			32.83- 132.83	80.08
106 1,4-Dioxane					CAS #: 123-91-1		
16.900	16.900 (1.070)	88	25710	2.00000	2.000	50.00- 150.00	100.00
16.900	16.900 (1.070)	58	24060			43.58- 143.58	93.58
16.872	16.872 (1.068)	57	8347			0.00- 82.47	32.47
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.089)	83	63907	2.00000	1.700	50.00- 150.00	100.00
17.204	17.204 (1.089)	85	40592			14.64- 114.64	63.52
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	51681	2.00000	1.793	50.00- 150.00	100.00
17.978	17.978 (1.138)	77	16853			0.00- 83.02	32.61
17.978	17.978 (1.138)	39	42498			34.70- 134.70	82.23
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	39202	2.00000	1.989	50.00- 150.00	100.00
18.171	18.171 (1.151)	43	100193			213.96- 313.96	255.58
18.171	18.171 (1.151)	85	12177			0.00- 81.10	31.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	100392	2.00000	1.779	50.00- 150.00	100.00
18.531	18.531 (1.173)	92	63776			12.42- 112.42	63.53
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	49657	2.00000	1.727	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	16435			0.00- 81.90	33.10
18.973	18.973 (0.903)	39	39411			29.46- 129.46	79.37
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	34306	2.00000	1.742	50.00- 150.00	100.00
19.333	19.333 (0.920)	99	22163			16.15- 116.15	64.60
19.333	19.333 (0.920)	83	31967			43.48- 143.48	93.18
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	41431	2.00000	1.707	50.00- 150.00	100.00
19.499	19.499 (0.928)	129	34118			26.20- 126.20	82.35
19.499	19.499 (0.928)	131	32423			27.32- 127.32	78.26
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	44041	2.00000	2.000	50.00- 150.00	100.00
19.637	19.637 (0.934)	43	88091			150.02- 250.02	200.02
19.637	19.637 (0.934)	100	5745			0.00- 63.04	13.04
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	47736	2.00000	1.717	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	38431			26.18- 126.18	80.51
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	55400	2.00000	1.734	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	51024			42.84- 142.84	92.10
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	73244	2.00000	1.724	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	22993			0.00- 82.95	31.39
21.075	21.075 (1.003)	77	61900			57.34- 157.34	84.51
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	38659	2.00000	1.704	50.00- 150.00	100.00
21.158	21.158 (1.007)	91	123701			276.52- 376.52	319.98
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	49283	2.00000	1.671	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	98393			147.16- 247.16	199.65
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	41383	2.00000	1.624	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	90128			167.69- 267.69	217.79
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	66192	2.00000	1.372	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	39693			11.21- 111.21	59.97
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	30956	2.00000	1.540	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	15624			0.00- 99.22	50.47
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	112722	2.00000	1.282	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	27152			0.00- 76.11	24.09
22.651	22.651 (1.078)	51	17646			0.00- 66.73	15.65
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	60015	2.00000	1.545	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	39258			15.21- 115.21	65.41
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	131668	2.00000	1.592	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	27516			0.00- 69.81	20.90
23.342	23.342 (1.110)	105	4790			0.00- 53.58	3.64
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	109626	2.00000	1.654	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	29835			0.00- 78.33	27.22
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	95619	2.00000	1.595	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	42898			0.00- 95.08	44.86
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	86544	2.00000	1.618	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	35972			0.00- 90.71	41.56
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	47543	2.00000	1.516	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	31089			16.39- 116.39	65.39
24.807	24.807 (1.180)	111	21928			0.00- 94.79	46.12
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	47112	2.00000	1.510	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	30769			12.98- 112.98	65.31
24.946	24.946 (1.187)	111	20126			0.00- 91.02	42.72

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	53955	2.00000	1.466	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	10997			0.00- 69.02	20.38
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	43820	2.00000	1.585	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	26610			14.63- 114.63	60.73
25.609	25.609 (1.218)	111	18013			0.00- 97.00	41.11
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	18823	2.00000	2.000	50.00- 150.00	100.00
28.429	28.429 (1.353)	182	16804			39.27- 139.27	89.27
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	17057	2.00000	2.000	50.00- 150.00	100.00
28.623	28.623 (1.362)	223	11403			16.85- 116.85	66.85
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	34804	2.00000	2.000	50.00- 150.00	100.00
28.982	28.982 (1.379)	127	4817			0.00- 63.84	13.84
29 Isopentane					CAS #: 78-78-4		
8.245	8.245 (0.588)	43	68198	2.00000	2.000	50.00- 150.00	100.00
8.273	8.273 (0.590)	57	49748			22.95- 122.95	72.95
19 Butane					CAS #: 106-97-8		
6.808	6.808 (0.485)	58	12333	2.00000	2.000	50.00- 150.00	100.00
6.808	6.808 (0.485)	43	88224			665.35- 765.35	715.35
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	50763	2.00000	1.859	50.00- 150.00	100.00
16.540	16.540 (1.179)	98	21726			0.00- 94.42	42.80
16.540	16.540 (1.179)	55	63630			77.50- 177.50	125.35

Report Date: 07-Mar-2007 09:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030605.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	260544	-0.37
97 1,4-Difluorobenze	1003370	602022	1404718	995111	-0.82
126 Chlorobenzene-d5	803302	481981	1124623	746837	-7.03

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/06Mar2007.b/t030605.d

Date : 06-MAR-2007 18:29

Client ID: Level 3

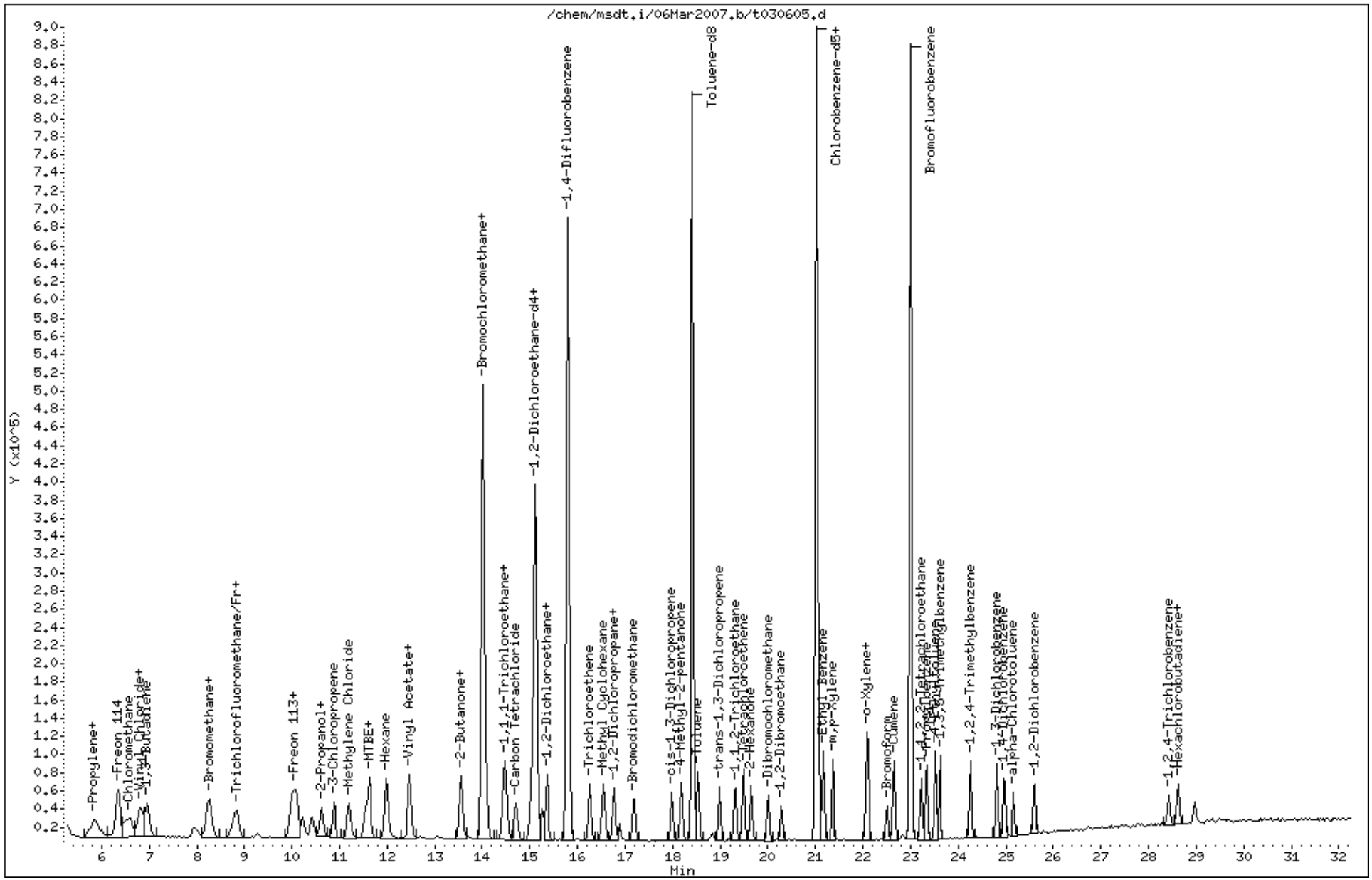
Sample Info: 2.0mL #1487-115

Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030606.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 06-MAR-2007 19:09
Operator : srs Inst ID: msdt.i
Smp Info : 25mL #1487-115
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:50 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 19:09 Cal File: t030606.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	261745	25.0000		50.00- 150.00	100.00
14.024	14.024 (1.000)	128	201002			27.67- 127.67	76.79
13.996	13.996 (1.000)	49	774650			206.62- 306.62	295.96
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.794 (1.000)	114	996722	25.0000		50.00- 150.00	100.00
15.794	15.794 (1.000)	88	189004			0.00- 68.82	18.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	833611	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	539880			15.31- 115.31	64.76
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	507589	25.0000	24.958	50.00- 150.00	100.00
15.102	15.102 (1.077)	67	266418			0.00- 99.50	52.49
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1014158	25.0000	25.172	50.00- 150.00	100.00
18.420	18.420 (1.166)	70	135596			0.00- 63.18	13.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	726268			21.29- 121.29	71.61
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	385113	25.0000	25.523	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	617984			110.01- 210.01	160.47
23.010	23.010 (1.095)	176	369938			46.80- 146.80	96.06
11 Propylene					CAS #: 115-07-1		
5.729	5.729 (0.409)	41	516884	25.0000	26.713	50.00- 150.00	100.00
5.729	5.729 (0.409)	42	354496			25.27- 125.27	68.58
5.729	5.729 (0.409)	39	408255			24.88- 124.88	78.98
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.840	5.840 (0.416)	85	1462727	25.0000	28.014	50.00- 150.00	100.00
5.867	5.867 (0.418)	87	471554			0.00- 82.48	32.24
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.448)	135	925994	25.0000	28.091	50.00- 150.00	100.00
6.282	6.282 (0.448)	137	299442			0.00- 80.75	32.34
18 Chloromethane					CAS #: 74-87-3		
6.503	6.503 (0.464)	50	628211	25.0000	27.863	50.00- 150.00	100.00
6.503	6.503 (0.464)	52	208031			0.00- 85.95	33.11
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.489)	62	697811	25.0000	27.764	50.00- 150.00	100.00
6.863	6.863 (0.489)	64	210275			0.00- 81.37	30.13
22 1,3-Butadiene					CAS #: 106-99-0		
6.918	6.918 (0.493)	54	708262	25.0000	26.192	50.00- 150.00	100.00
6.918	6.918 (0.493)	39	673373			51.66- 151.66	95.07
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.566)	94	510021	25.0000	28.139	50.00- 150.00	100.00
7.941	7.941 (0.566)	96	487370			46.80- 146.80	95.56
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.588)	64	348146	25.0000	26.554	50.00- 150.00	100.00
8.245	8.245 (0.588)	49	112355			0.00- 78.89	32.27
8.245	8.245 (0.588)	66	104858			0.00- 81.08	30.12
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.627)	101	1648243	25.0000	27.144	50.00- 150.00	100.00
8.798	8.798 (0.627)	103	1071660			16.73- 116.73	65.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.659)	45	272667	25.0000	26.734	50.00- 150.00	100.00
9.241	9.241 (0.659)	43	62339			0.00- 74.68	22.86
9.241	9.241 (0.659)	46	102674			0.00- 88.33	37.66
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	740632	25.0000	27.370	50.00- 150.00	100.00
9.987	9.987 (0.712)	153	462532			16.50- 116.50	62.45
9.987	9.987 (0.712)	101	1095709			99.87- 199.87	147.94
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	1209253	25.0000	26.869	50.00- 150.00	100.00
10.070	10.070 (0.718)	96	533601			0.00- 94.78	44.13
10.070	10.070 (0.718)	98	343963			0.00- 79.48	28.44
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.730)	58	385110	25.0000	26.911	50.00- 150.00	100.00
10.236	10.236 (0.730)	43	1283367			274.78- 374.78	333.25
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.742)	45	1438230	25.0000	28.281	50.00- 150.00	100.00
10.402	10.402 (0.742)	43	321303			0.00- 74.18	22.34
10.402	10.402 (0.742)	59	53869			0.00- 53.92	3.75
47 Carbon Disulfide					CAS #: 75-15-0		
10.596	10.596 (0.756)	76	1819426	25.0000	27.386	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	290779	25.0000	27.507	50.00- 150.00	100.00
10.872	10.872 (0.775)	41	1060050			331.32- 431.32	364.56
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	926025	25.0000	25.510	50.00- 150.00	100.00
11.176	11.176 (0.797)	84	499013			2.20- 102.20	53.89
11.176	11.176 (0.797)	51	283413			0.00- 81.62	30.61
60 MTBE					CAS #: 1634-04-4		
11.536	11.536 (0.823)	73	1675978	25.0000	29.266	50.00- 150.00	100.00
11.536	11.536 (0.823)	57	507990			0.00- 81.72	30.31
11.536	11.536 (0.823)	41	499883			0.00- 81.55	29.83
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.619	11.619 (0.828)	96	601462	25.0000	26.611	50.00- 150.00	100.00
11.619	11.619 (0.828)	61	1191007			141.33- 241.33	198.02
11.619	11.619 (0.828)	98	382792			9.91- 109.91	63.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	1336953	25.0000	27.340	50.00- 150.00	100.00
11.978	11.978 (0.854)	43	811139			15.16- 115.16	60.67
11.978	11.978 (0.854)	86	152647			0.00- 61.07	11.42
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	142197	25.0000	28.877	50.00- 150.00	100.00
12.448	12.448 (0.888)	43	2212497			1554.47-1654.47	1555.94
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	1403323	25.0000	27.549	50.00- 150.00	100.00
12.476	12.476 (0.890)	65	414088			0.00- 81.53	29.51
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	285073	25.0000	28.035	50.00- 150.00	100.00
13.526	13.526 (0.964)	43	1599337			520.33- 620.33	561.03
13.526	13.526 (0.964)	57	129020			0.22- 100.22	45.26
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	1011662	25.0000	27.308	50.00- 150.00	100.00
13.554	13.554 (0.966)	96	551618			4.70- 104.70	54.53
13.554	13.554 (0.966)	98	355827			0.00- 84.99	35.17
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	846083	25.0000	26.275	50.00- 150.00	100.00
13.996	13.996 (0.998)	71	261466			0.00- 79.09	30.90
13.996	13.996 (0.998)	72	275123			0.00- 80.16	32.52
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	1164039	25.0000	25.714	50.00- 150.00	100.00
14.079	14.079 (1.004)	85	753255			14.50- 114.50	64.71
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.439	14.439 (1.030)	97	1044568	25.0000	27.341	50.00- 150.00	100.00
14.439	14.439 (1.030)	99	664965			13.64- 113.64	63.66
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	700195	25.0000	27.430	50.00- 150.00	100.00
14.466	14.466 (1.032)	56	1162011			114.31- 214.31	165.96
14.466	14.466 (1.032)	41	638801			50.77- 150.77	91.23
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	911381	25.0000	28.558	50.00- 150.00	100.00
14.715	14.715 (1.049)	117	961659			54.56- 154.56	105.52
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	1550588	25.0000	25.054	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.130	15.130 (0.958)	77	349434			0.00- 72.55	22.54
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	3189800	25.0000	27.254	50.00- 150.00	100.00
15.047	15.047 (1.073)	56	1037435			0.00- 83.07	32.52
15.047	15.047 (1.073)	41	873302			0.00- 79.77	27.38
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.241 (0.965)	62	917665	25.0000	27.468	50.00- 150.00	100.00
15.241	15.241 (0.965)	64	281825			0.00- 83.64	30.71
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	490840	25.0000	28.698	50.00- 150.00	100.00
15.351	15.351 (0.972)	43	1203377			215.57- 315.57	245.17
15.351	15.351 (0.972)	57	652749			90.51- 190.51	132.99
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	604332	25.0000	27.156	50.00- 150.00	100.00
16.264	16.264 (1.030)	130	523903			37.86- 137.86	86.69
16.264	16.264 (1.030)	97	388819			17.01- 117.01	64.34
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	659741	25.0000	26.261	50.00- 150.00	100.00
16.761	16.761 (1.061)	62	472297			21.83- 121.83	71.59
16.734	16.734 (1.060)	41	469500			28.94- 128.94	71.16
106 1,4-Dioxane					CAS #: 123-91-1		
16.872	16.872 (1.068)	88	349356	25.0000	26.023	50.00- 150.00	100.00
16.872	16.872 (1.068)	58	331417			44.22- 144.22	94.87
16.872	16.872 (1.068)	57	117820			0.00- 83.10	33.72
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	1088098	25.0000	27.476	50.00- 150.00	100.00
17.176	17.176 (1.088)	85	687059			14.14- 114.14	63.14
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	814797	25.0000	27.062	50.00- 150.00	100.00
17.978	17.978 (1.138)	77	262199			0.00- 82.74	32.18
17.978	17.978 (1.138)	39	641159			32.70- 132.70	78.69
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	621575	25.0000	28.981	50.00- 150.00	100.00
18.171	18.171 (1.151)	43	1664403			215.23- 315.23	267.77
18.171	18.171 (1.151)	85	200607			0.00- 81.49	32.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	1550392	25.0000	26.566	50.00- 150.00	100.00
18.531	18.531 (1.173)	92	964169			12.34- 112.34	62.19
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	859443	25.0000	26.155	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	267580			0.00- 81.65	31.13
18.973	18.973 (0.903)	39	623569			27.16- 127.16	72.56
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.305	19.305 (0.918)	97	551848	25.0000	25.066	50.00- 150.00	100.00
19.305	19.305 (0.918)	99	346855			15.05- 115.05	62.85
19.305	19.305 (0.918)	83	520912			43.78- 143.78	94.39
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	635314	25.0000	23.947	50.00- 150.00	100.00
19.499	19.499 (0.928)	129	508476			27.48- 127.48	80.04
19.499	19.499 (0.928)	131	479087			26.68- 126.68	75.41
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	853263	25.0000	29.067	50.00- 150.00	100.00
19.637	19.637 (0.934)	43	1637257			145.95- 245.95	191.88
19.637	19.637 (0.934)	100	103894			0.00- 62.61	12.18
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	856329	25.0000	26.674	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	675201			27.07- 127.07	78.85
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	896885	25.0000	25.102	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	855562			43.69- 143.69	95.39
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	1141787	25.0000	24.376	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	371180			0.00- 82.80	32.51
21.075	21.075 (1.003)	77	870116			46.96- 146.96	76.21
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	629950	25.0000	24.919	50.00- 150.00	100.00
21.158	21.158 (1.007)	91	2037023			275.47- 375.47	323.36
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	804966	25.0000	24.634	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	1629267			148.90- 248.90	202.40
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	696982	25.0000	24.671	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	1496418			166.69- 266.69	214.70
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	1164710	25.0000	22.389	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	689996			10.72- 110.72	59.24
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	644156	25.0000	27.363	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	334854			0.14- 100.14	51.98
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	1793373	25.0000	19.586	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	442215			0.00- 75.75	24.66
22.623	22.623 (1.076)	51	284681			0.00- 66.52	15.87
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	1015259	25.0000	23.924	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	654035			14.95- 114.95	64.42
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	2092808	25.0000	23.398	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	431444			0.00- 70.08	20.62
23.342	23.342 (1.110)	105	75743			0.00- 53.60	3.62
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	1714945	25.0000	23.754	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	484817			0.00- 78.31	28.27
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	1362276	25.0000	21.702	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	628442			0.00- 95.43	46.13
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	1198923	25.0000	21.492	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	517690			0.00- 91.53	43.18
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	701236	25.0000	21.456	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	447646			15.54- 115.54	63.84
24.807	24.807 (1.180)	111	305531			0.00- 94.38	43.57
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	694116	25.0000	21.381	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	435359			12.89- 112.89	62.72
24.973	24.973 (1.188)	111	297609			0.00- 91.64	42.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	1021767	25.0000	24.921	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	187935			0.00- 68.81	18.39
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	585195	25.0000	20.623	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	374204			14.40- 114.40	63.95
25.609	25.609 (1.218)	111	267195			0.00- 96.55	45.66
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	254797	25.0000	24.622	50.00- 150.00	100.00
28.429	28.429 (1.353)	182	243261			42.37- 142.37	95.47
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	222501	25.0000	24.159	50.00- 150.00	100.00
28.623	28.623 (1.362)	223	141983			15.33- 115.33	63.81
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	561861	25.0000	26.820	50.00- 150.00	100.00
28.982	28.982 (1.379)	127	71682			0.00- 63.30	12.76
29 Isopentane					CAS #: 78-78-4		
8.218	8.218 (0.586)	43	972898	25.0000	26.592	50.00- 150.00	100.00
8.245	8.245 (0.588)	57	690293			21.95- 121.95	70.95
19 Butane					CAS #: 106-97-8		
6.752	6.752 (0.481)	58	154499	25.0000	24.970	50.00- 150.00	100.00
6.752	6.752 (0.481)	43	1208029			698.62- 798.62	781.90
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	787585	25.0000	27.361	50.00- 150.00	100.00
16.540	16.540 (1.179)	98	327599			0.00- 93.48	41.60
16.540	16.540 (1.179)	55	953876			75.37- 175.37	121.11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030606.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	261745	0.09
97 1,4-Difluorobenze	1003370	602022	1404718	996722	-0.66
126 Chlorobenzene-d5	803302	481981	1124623	833611	3.77

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

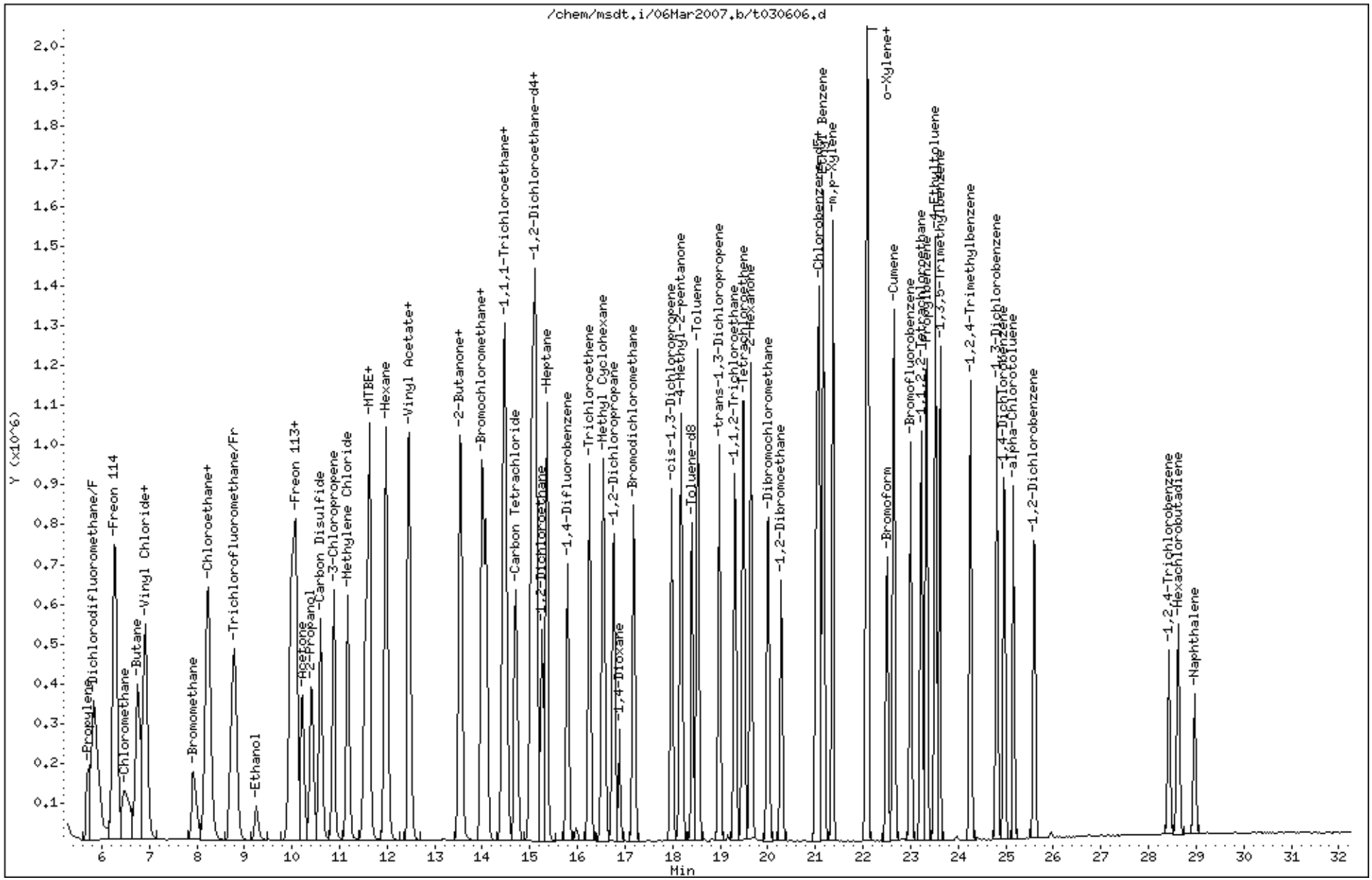
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/06Mar2007.b/t030606.d
Date : 06-MAR-2007 19:09
Client ID: Level 4
Sample Info: 25mL #1487-115

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

Column phase: RTx-624

0115



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Mar2007.b/t031503.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 15-MAR-2007 12:47
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1443-13
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msdt.i/15Mar2007.b/t14q306b.m
Meth Date : 16-Mar-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 15-MAR-2007 12:47 Cal File: t031503.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp17b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	281387	25.0000		80.00- 120.00	100.00
14.024	14.024 (1.000)	128	216151			26.82- 126.82	76.82
14.024	14.024 (1.000)	49	737346			212.04- 312.04	262.04
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.794 (1.000)	114	1032064	25.0000		80.00- 120.00	100.00
15.794	15.794 (1.000)	88	196145			0.00- 69.01	19.01
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	827910	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	552198			15.81- 115.81	66.70
96 2-Heptanone					CAS #: 110-43-0		
22.208	22.208 (1.584)	58	2215571	50.0000	57.378	80.00- 120.00	100.00
22.208	22.208 (1.584)	43	3791712			125.03- 225.03	171.14
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.784	23.784 (1.132)	57	3679389	50.0000	56.150	80.00- 120.00	100.00
23.784	23.784 (1.132)	85	2070081			6.26- 106.26	56.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
146 Diisobutyl Ketone (continued)							
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
98 1-Butanol					CAS #: 71-36-3		
15.960	15.960 (1.010)	56	1162970	50.0000	57.780	80.00- 120.00	100.00
15.960	15.960 (1.010)	41	893124			40.15- 140.15	76.80
15.960	15.960 (1.010)	43	686597			11.56- 111.56	59.04
71 1-Propanol					CAS #: 71-23-8		
12.503	12.503 (0.892)	42	384673	50.0000	52.019	80.00- 120.00	100.00
12.503	12.503 (0.892)	59	461139			122.96- 222.96	119.88
12.393	12.393 (0.884)	41	1244554			296.58- 396.58	323.54
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.232	11.232 (0.801)	59	3345740	50.0000	55.663	80.00- 120.00	100.00
11.232	11.232 (0.801)	41	825438			0.00- 83.36	24.67
11.232	11.232 (0.801)	57	368208			0.00- 60.94	11.01
68 Isopropyl ether					CAS #: 108-20-3		
12.393	12.393 (0.884)	45	6091221	50.0000	53.061	80.00- 120.00	100.00
12.393	12.393 (0.884)	87	1004968			0.00- 66.47	16.50
12.393	12.393 (0.884)	59	554052			0.00- 61.61	9.10
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.056	13.056 (0.931)	59	5034171	50.0000	54.602	80.00- 120.00	100.00
13.056	13.056 (0.931)	87	1483686			0.00- 80.13	29.47
13.056	13.056 (0.931)	41	1017412			0.00- 72.10	20.21
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.083)	73	2640187	50.0000	55.106	80.00- 120.00	100.00
15.185	15.185 (1.083)	87	628779			0.00- 74.33	23.82
15.185	15.185 (1.083)	55	1024646			0.00- 92.41	38.81
77 Ethyl Acetate					CAS #: 141-78-6		
13.499	13.499 (0.963)	45	604339	50.0000	52.333	80.00- 120.00	100.00
13.526	13.526 (0.964)	61	507672			31.56- 131.56	84.00
13.499	13.499 (0.963)	43	4242980			641.88- 741.88	702.09
119 Butyl Acetate					CAS #: 123-86-4		
19.748	19.748 (1.250)	56	1639020	50.0000	57.518	80.00- 120.00	100.00
19.748	19.748 (1.250)	73	400847			0.00- 74.46	24.46
19.748	19.748 (1.250)	43	4301048			212.42- 312.42	262.42
135 Cyclohexanone					CAS #: 108-94-1		
22.955	22.955 (1.092)	55	1807155	50.0000	55.649	80.00- 120.00	100.00
22.955	22.955 (1.092)	98	478410			0.00- 75.98	26.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
22.955	22.955 (1.092)	42	1305722			21.44- 121.44	72.25
40 Freon123a					CAS #: 354-23-4		
9.600	9.600 (0.685)	67	1566280	50.0000	51.728	80.00- 120.00	100.00
9.600	9.600 (0.685)	117	822596			2.93- 102.93	52.52
41 Freon123					CAS #: 306-83-2		
9.738	9.738 (0.694)	83	858444	50.0000	50.315	80.00- 120.00	100.00
9.738	9.738 (0.694)	133	142946			0.00- 64.89	16.65
9.738	9.738 (0.694)	85	531510			11.66- 111.66	61.92
13 Freon 134a					CAS #: 811-97-2		
5.563	5.563 (0.397)	83	1273537	50.0000	55.099	80.00- 120.00	100.00
5.397	5.397 (0.385)	69	4085698			262.56- 362.56	320.82
15 Freon 152a					CAS #: 75-37-6		
5.757	5.757 (0.410)	65	801475	50.0000	47.408	80.00- 120.00	100.00
5.895	5.895 (0.420)	51	5265990			583.26- 683.26	657.04
5.757	5.757 (0.410)	47	572629			20.15- 120.15	71.45
6 Freon142b					CAS #: 75-68-3		
6.365	6.365 (0.454)	65	2370839	50.0000	54.068	80.00- 120.00	100.00
6.365	6.365 (0.454)	45	738724			0.00- 81.15	31.16
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.798	8.798 (0.627)	67	1930203	50.0000	54.936	80.00- 120.00	100.00
8.798	8.798 (0.627)	69	571231			0.00- 79.13	29.59
8.798	8.798 (0.627)	35	156724			0.00- 55.26	8.12

Report Date: 16-Mar-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t031503.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 15-MAR-2007
Calibration Time: 12:47
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	281387	168832	393942	281387	0.00
97 1,4-Difluorobenze	1032064	619238	1444890	1032064	0.00
126 Chlorobenzene-d5	827910	496746	1159074	827910	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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.

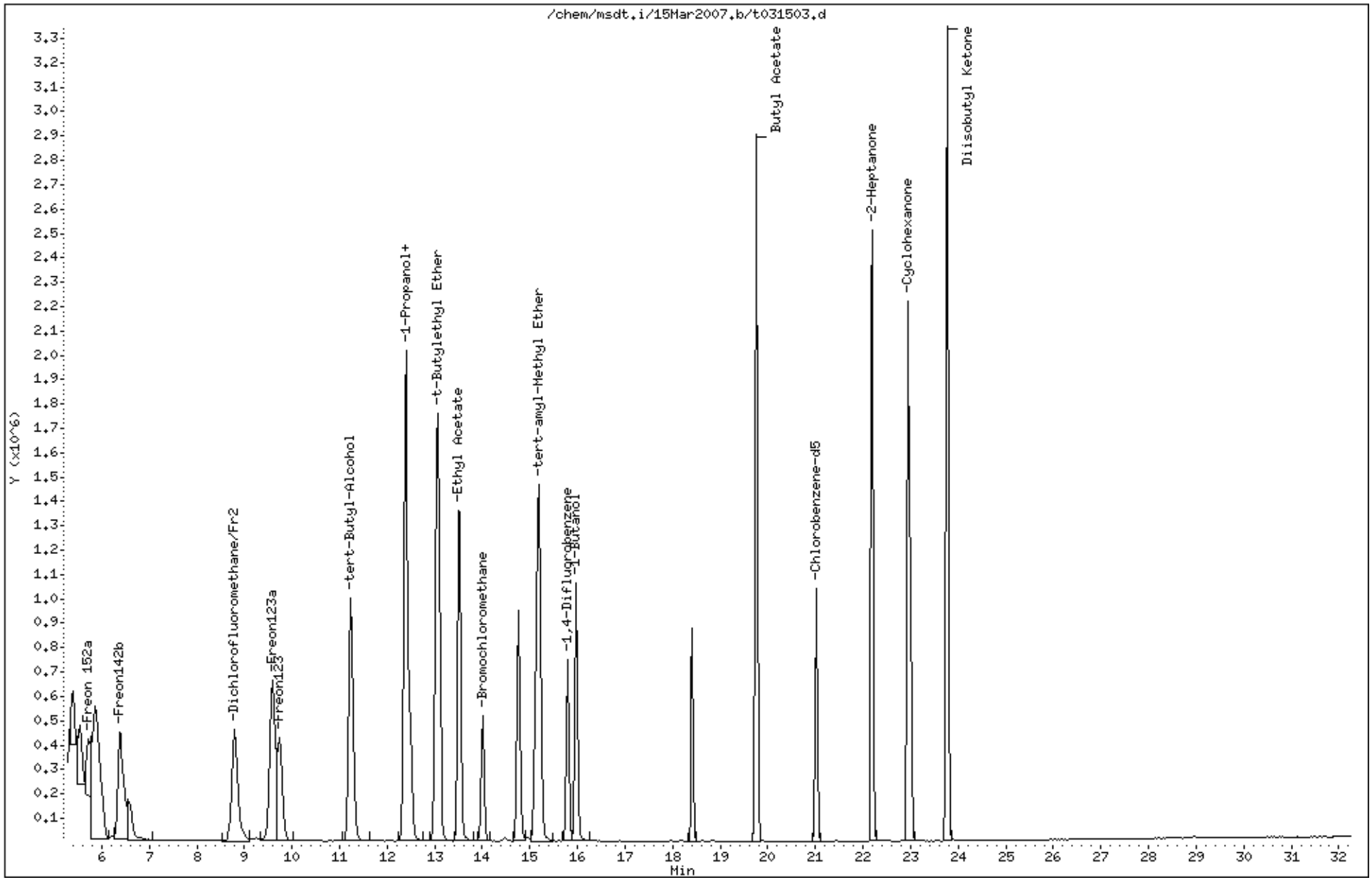
0120

Data File: /chem/msdt.i/15Mar2007.b/t031503.d
Date : 15-MAR-2007 12:47
Client ID: Level 5
Sample Info: 50mL #1443-13

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030607.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 06-MAR-2007 20:30
Operator : srs Inst ID: msdt.i
Smp Info : 50mL #1487-115
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:51 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 20:30 Cal File: t030607.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	261515	25.0000		80.00- 120.00	100.00
14.024	14.024 (1.000)	128	201395			27.01- 127.01	77.01
14.024	14.024 (1.000)	49	905304			296.18- 396.18	346.18
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1003370	25.0000		80.00- 120.00	100.00
15.793	15.793 (1.000)	88	193360			0.00- 69.27	19.27
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	803302	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	523740			15.29- 115.29	65.20
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	527525	25.0000	25.763	80.00- 120.00	100.00
15.102	15.102 (1.077)	67	289485			0.58- 100.58	54.88
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1019296	25.0000	25.105	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	133365			0.00- 63.16	13.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	724117			21.24- 121.24	71.04
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	370425	25.0000	25.379	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	602136			112.55- 212.55	162.55
23.010	23.010 (1.095)	176	358138			46.68- 146.68	96.68
11 Propylene					CAS #: 115-07-1		
5.701	5.701 (0.407)	41	939593	50.0000	49.059	80.00- 120.00	100.00
5.729	5.729 (0.409)	42	649767			23.23- 123.23	69.15
5.729	5.729 (0.409)	39	743185			26.29- 126.29	79.10
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.840	5.840 (0.416)	85	2646554	50.0000	50.547	80.00- 120.00	100.00
5.840	5.840 (0.416)	87	860664			0.00- 82.49	32.52
16 Freon 114					CAS #: 76-14-2		
6.254	6.254 (0.446)	135	1737134	50.0000	52.030	80.00- 120.00	100.00
6.282	6.282 (0.448)	137	554185			0.00- 81.90	31.90
18 Chloromethane					CAS #: 74-87-3		
6.503	6.503 (0.464)	50	1135409	50.0000	50.268	80.00- 120.00	100.00
6.476	6.476 (0.462)	52	373016			0.00- 84.92	32.85
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.489)	62	1274143	50.0000	50.552	80.00- 120.00	100.00
6.863	6.863 (0.489)	64	388064			0.00- 81.14	30.46
22 1,3-Butadiene					CAS #: 106-99-0		
6.918	6.918 (0.493)	54	1337586	50.0000	49.630	80.00- 120.00	100.00
6.918	6.918 (0.493)	39	1250577			49.62- 149.62	93.50
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.564)	94	940667	50.0000	51.445	80.00- 120.00	100.00
7.913	7.913 (0.564)	96	877051			43.24- 143.24	93.24
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.586)	64	644797	50.0000	49.415	80.00- 120.00	100.00
8.218	8.218 (0.586)	49	210848			0.00- 79.84	32.70
8.245	8.245 (0.588)	66	193159			0.00- 80.70	29.96
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.627)	101	3140950	50.0000	51.317	80.00- 120.00	100.00
8.798	8.798 (0.627)	103	2008888			13.96- 113.96	63.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.659)	45	529006	50.0000	51.260	80.00- 120.00	100.00
9.241	9.241 (0.659)	43	112554			0.00- 73.55	21.28
9.241	9.241 (0.659)	46	202132			0.00- 88.29	38.21
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	1385322	50.0000	50.923	80.00- 120.00	100.00
9.987	9.987 (0.712)	153	869502			12.77- 112.77	62.77
9.987	9.987 (0.712)	101	2042508			97.44- 197.44	147.44
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	2292018	50.0000	50.726	80.00- 120.00	100.00
10.070	10.070 (0.718)	96	997051			0.00- 93.50	43.50
10.070	10.070 (0.718)	98	642174			0.00- 78.02	28.02
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.728)	58	726114	50.0000	50.520	80.00- 120.00	100.00
10.208	10.208 (0.728)	43	2448859			278.94- 378.94	337.26
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.742)	45	2773238	50.0000	52.964	80.00- 120.00	100.00
10.402	10.402 (0.742)	43	589890			0.00- 73.21	21.27
10.402	10.402 (0.742)	59	106643			0.00- 53.90	3.85
47 Carbon Disulfide					CAS #: 75-15-0		
10.595	10.595 (0.756)	76	3463349	50.0000	51.615	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	553748	50.0000	51.594	80.00- 120.00	100.00
10.872	10.872 (0.775)	41	2030893			326.46- 426.46	366.75
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	1758347	50.0000	48.853	80.00- 120.00	100.00
11.176	11.176 (0.797)	84	939843			3.45- 103.45	53.45
11.176	11.176 (0.797)	51	544575			0.00- 81.46	30.97
60 MTBE					CAS #: 1634-04-4		
11.536	11.536 (0.823)	73	3187268	50.0000	54.160	80.00- 120.00	100.00
11.536	11.536 (0.823)	57	961326			0.00- 80.16	30.16
11.536	11.536 (0.823)	41	929901			0.00- 80.96	29.18
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.618	11.618 (0.828)	96	1126732	50.0000	49.921	80.00- 120.00	100.00
11.618	11.618 (0.828)	61	2229037			147.83- 247.83	197.83
11.618	11.618 (0.828)	98	714105			10.78- 110.78	63.38

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	2486731	50.0000	50.670	80.00- 120.00	100.00
11.978	11.978 (0.854)	43	1508518			14.04- 114.04	60.66
11.978	11.978 (0.854)	86	292737			0.00- 61.25	11.77
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	269852	50.0000	53.131	80.00- 120.00	100.00
12.448	12.448 (0.888)	43	4204603			1539.02-1639.02	1558.11
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	2618612	50.0000	51.082	80.00- 120.00	100.00
12.476	12.476 (0.890)	65	774460			0.00- 79.58	29.58
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	540462	50.0000	52.360	80.00- 120.00	100.00
13.526	13.526 (0.964)	43	3007063			506.39- 606.39	556.39
13.526	13.526 (0.964)	57	246232			0.00- 99.05	45.56
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	1901496	50.0000	51.022	80.00- 120.00	100.00
13.554	13.554 (0.966)	96	1043086			4.86- 104.86	54.86
13.554	13.554 (0.966)	98	663094			0.00- 84.87	34.87
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	1607342	50.0000	49.970	80.00- 120.00	100.00
13.996	13.996 (0.998)	71	491989			0.00- 80.61	30.61
13.996	13.996 (0.998)	72	520508			0.00- 80.72	32.38
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	2176556	50.0000	48.487	80.00- 120.00	100.00
14.079	14.079 (1.004)	85	1423694			15.41- 115.41	65.41
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.439	14.439 (1.030)	97	1919597	50.0000	50.217	80.00- 120.00	100.00
14.439	14.439 (1.030)	99	1238984			14.54- 114.54	64.54
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	1273778	50.0000	49.957	80.00- 120.00	100.00
14.466	14.466 (1.032)	56	2118861			116.34- 216.34	166.34
14.466	14.466 (1.032)	41	1180153			42.65- 142.65	92.65
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	1726741	50.0000	53.053	80.00- 120.00	100.00
14.715	14.715 (1.049)	117	1803434			54.44- 154.44	104.44
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	2901076	50.0000	47.213	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.130	15.130 (0.958)	77	648492			0.00- 72.51	22.35
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	5912626	50.0000	50.420	80.00- 120.00	100.00
15.047	15.047 (1.073)	56	1938516			0.00- 83.00	32.79
15.047	15.047 (1.073)	41	1622337			0.00- 79.19	27.44
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.241 (0.965)	62	1737842	50.0000	51.245	80.00- 120.00	100.00
15.241	15.241 (0.965)	64	528235			0.00- 82.83	30.40
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	911763	50.0000	52.184	80.00- 120.00	100.00
15.351	15.351 (0.972)	43	2223909			210.15- 310.15	243.91
15.351	15.351 (0.972)	57	1198357			88.24- 188.24	131.43
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	1118900	50.0000	49.959	80.00- 120.00	100.00
16.264	16.264 (1.030)	130	973015			36.96- 136.96	86.96
16.264	16.264 (1.030)	97	722172			14.54- 114.54	64.54
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	1223864	50.0000	48.784	80.00- 120.00	100.00
16.761	16.761 (1.061)	62	881279			22.01- 122.01	72.01
16.761	16.761 (1.061)	41	868668			20.98- 120.98	70.98
106 1,4-Dioxane					CAS #: 123-91-1		
16.872	16.872 (1.068)	88	675198	50.0000	49.974	80.00- 120.00	100.00
16.872	16.872 (1.068)	58	624577			42.50- 142.50	92.50
16.872	16.872 (1.068)	57	225592			0.00- 83.20	33.41
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	2054712	50.0000	51.146	80.00- 120.00	100.00
17.176	17.176 (1.088)	85	1319629			14.22- 114.22	64.22
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	1556769	50.0000	51.014	80.00- 120.00	100.00
17.978	17.978 (1.138)	77	492832			0.00- 81.66	31.66
17.978	17.978 (1.138)	39	1221569			28.47- 128.47	78.47
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	1168826	50.0000	53.039	80.00- 120.00	100.00
18.171	18.171 (1.151)	43	3076387			214.72- 314.72	263.20
18.171	18.171 (1.151)	85	365335			0.00- 81.43	31.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	2866246	50.0000	49.085	80.00- 120.00	100.00
18.531	18.531 (1.173)	92	1768026			11.68- 111.68	61.68
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	1652242	50.0000	51.616	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	518493			0.00- 81.38	31.38
18.973	18.973 (0.903)	39	1196907			22.44- 122.44	72.44
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1021313	50.0000	48.593	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	643152			12.97- 112.97	62.97
19.305	19.305 (0.918)	83	962785			44.27- 144.27	94.27
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	1166446	50.0000	46.646	80.00- 120.00	100.00
19.499	19.499 (0.928)	129	939007			30.50- 130.50	80.50
19.499	19.499 (0.928)	131	905147			27.60- 127.60	77.60
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	1614329	50.0000	54.500	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	3077016			140.61- 240.61	190.61
19.637	19.637 (0.934)	100	201527			0.00- 62.57	12.48
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	1633086	50.0000	52.062	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	1274402			27.31- 127.31	78.04
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	1688135	50.0000	49.270	80.00- 120.00	100.00
20.273	20.273 (0.964)	109	1596789			44.59- 144.59	94.59
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	2138631	50.0000	48.009	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	679747			0.00- 81.78	31.78
21.075	21.075 (1.003)	77	1596386			24.65- 124.65	74.65
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	1145942	50.0000	47.747	80.00- 120.00	100.00
21.157	21.157 (1.007)	91	3697107			274.76- 374.76	322.63
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	1441007	50.0000	46.753	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	2975988			150.81- 250.81	206.52
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1232378	50.0000	46.365	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	2692611			168.49- 268.49	218.49
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	2129718	50.0000	43.801	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1232578			7.88- 107.88	57.88
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1198567	50.0000	52.096	80.00- 120.00	100.00
22.512	22.512 (1.071)	171	620338			1.76- 101.76	51.76
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	3225197	50.0000	38.630	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	794672			0.00- 75.53	24.64
22.651	22.651 (1.078)	51	508982			0.00- 66.37	15.78
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	1863784	50.0000	46.607	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1200066			14.39- 114.39	64.39
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	3853638	50.0000	45.924	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	793015			0.00- 70.20	20.58
23.342	23.342 (1.110)	105	135794			0.00- 53.58	3.52
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	3197150	50.0000	46.904	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	898867			0.00- 78.11	28.11
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	2570056	50.0000	44.146	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1173659			0.00- 95.49	45.67
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2312670	50.0000	44.577	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	987424			0.00- 91.82	42.70
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	1359671	50.0000	44.699	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	855284			14.88- 114.88	62.90
24.807	24.807 (1.180)	111	590882			0.00- 94.15	43.46
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	1353855	50.0000	44.782	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	850692			12.88- 112.88	62.83
24.973	24.973 (1.188)	111	572216			0.00- 91.79	42.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	2113060	50.0000	52.568	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	386895			0.00- 68.69	18.31
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1171365	50.0000	44.429	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	743331			13.46- 113.46	63.46
25.609	25.609 (1.218)	111	528618			0.00- 95.13	45.13
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	524477	50.0000	51.700	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	490385			43.50- 143.50	93.50
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	462363	50.0000	51.379	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	286288			14.19- 114.19	61.92
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1129068	50.0000	53.802	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	142561			0.00- 63.07	12.63
29 Isopentane					CAS #: 78-78-4		
8.218	8.218 (0.586)	43	1806751	50.0000	49.616	80.00- 120.00	100.00
8.218	8.218 (0.586)	57	1307627			22.09- 122.09	72.37
19 Butane					CAS #: 106-97-8		
6.752	6.752 (0.481)	58	289456	50.0000	47.836	80.00- 120.00	100.00
6.752	6.752 (0.481)	43	2239054			706.93- 806.93	773.54
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	1452327	50.0000	50.373	80.00- 120.00	100.00
16.540	16.540 (1.179)	98	624444			0.00- 93.36	43.00
16.540	16.540 (1.179)	55	1758679			74.30- 174.30	121.09

Report Date: 07-Mar-2007 09:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030607.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	261515	0.00
97 1,4-Difluorobenze	1003370	602022	1404718	1003370	0.00
126 Chlorobenzene-d5	803302	481981	1124623	803302	0.00

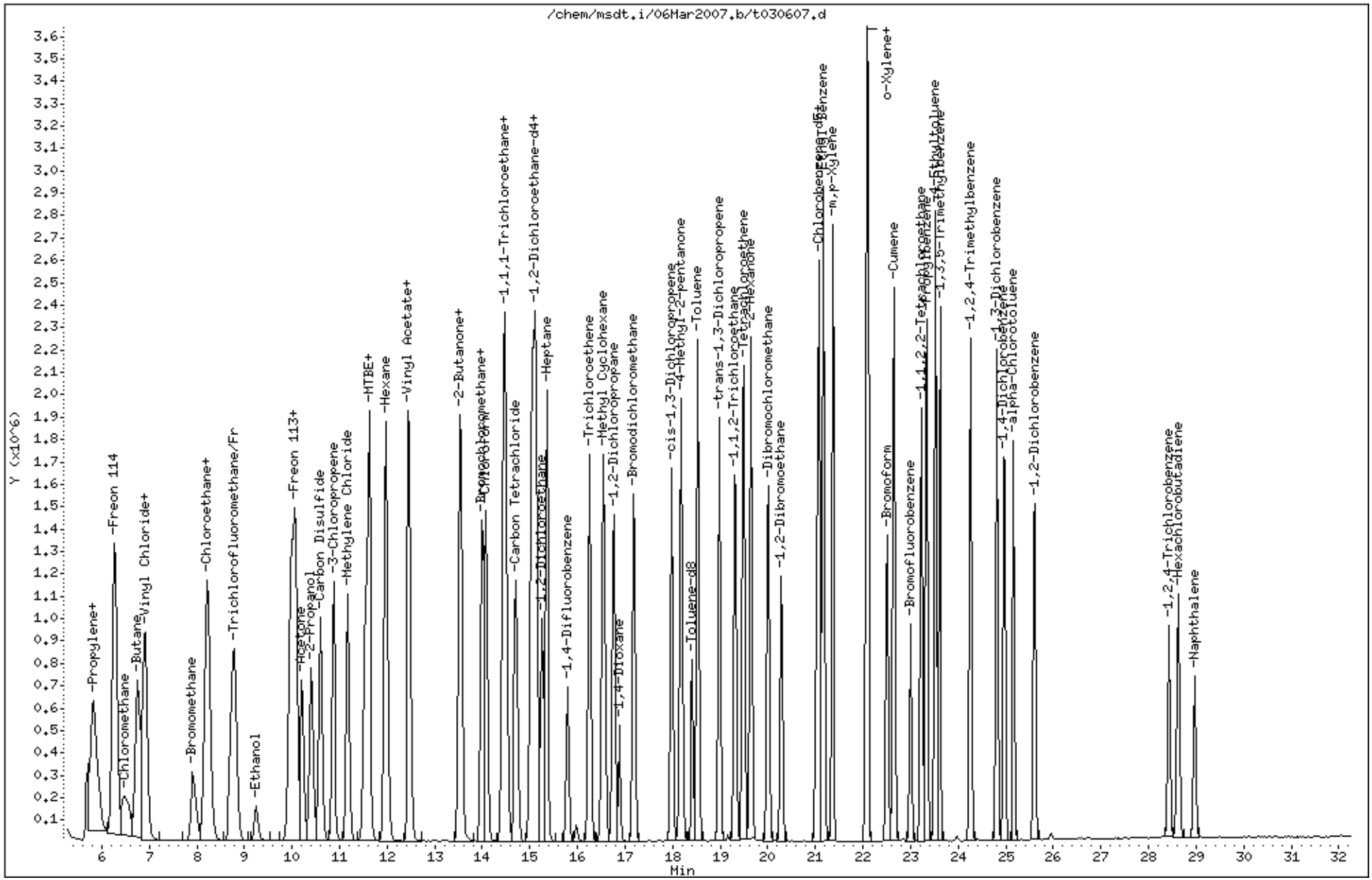
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/06Mar2007.b/t030607.d
Date : 06-MAR-2007 20:30
Client ID: Level 5
Sample Info: 50mL #1487-115

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030608.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 06-MAR-2007 21:08
Operator : srs Inst ID: msdt.i
Smp Info : 100mL #1487-115
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:51 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 21:08 Cal File: t030608.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	265967	25.0000		50.00- 150.00	100.00
14.024	14.024 (1.000)	128	206671			27.57- 127.57	77.71
14.024	14.024 (1.000)	49	1173712			252.32- 352.32	441.30
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.794	15.794 (1.000)	114	1005704	25.0000		50.00- 150.00	100.00
15.794	15.794 (1.000)	88	192555			0.00- 68.95	19.15
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	813077	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	538583			15.44- 115.44	66.24
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	544288	25.0000	25.940	50.00- 150.00	100.00
15.102	15.102 (1.077)	67	324505			2.09- 102.09	59.62
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1047807	25.0000	25.620	50.00- 150.00	100.00
18.420	18.420 (1.166)	70	135885			0.00- 63.13	12.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	738383			21.11- 121.11	70.47
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	383657	25.0000	25.803	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	607109			110.14- 210.14	158.24
23.010	23.010 (1.095)	176	371315			46.78- 146.78	96.78
11 Propylene					CAS #: 115-07-1		
5.702	5.702 (0.407)	41	1787321	100.000	93.690	50.00- 150.00	100.00
5.702	5.702 (0.407)	42	1222053			22.02- 122.02	68.37
5.702	5.702 (0.407)	39	1396673			26.75- 126.75	78.14
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.840	5.840 (0.416)	85	5058071	100.000	95.950	50.00- 150.00	100.00
5.840	5.840 (0.416)	87	1640243			0.00- 82.48	32.43
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.448)	135	3024668	100.000	91.067	50.00- 150.00	100.00
6.282	6.282 (0.448)	137	962754			0.00- 81.20	31.83
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.466)	50	2086766	100.000	92.969	50.00- 150.00	100.00
6.531	6.531 (0.466)	52	684490			0.00- 84.39	32.80
20 Vinyl Chloride					CAS #: 75-01-4		
6.835	6.835 (0.487)	62	2394443	100.000	94.658	50.00- 150.00	100.00
6.835	6.835 (0.487)	64	733287			0.00- 81.04	30.62
22 1,3-Butadiene					CAS #: 106-99-0		
6.918	6.918 (0.493)	54	2608940	100.000	96.109	50.00- 150.00	100.00
6.918	6.918 (0.493)	39	2568946			49.39- 149.39	98.47
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.564)	94	1795426	100.000	97.219	50.00- 150.00	100.00
7.913	7.913 (0.564)	96	1691119			45.57- 145.57	94.19
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.586)	64	1225377	100.000	93.774	50.00- 150.00	100.00
8.218	8.218 (0.586)	49	395801			0.00- 80.33	32.30
8.218	8.218 (0.586)	66	369318			0.00- 80.56	30.14
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.627)	101	6183932	100.000	99.474	50.00- 150.00	100.00
8.798	8.798 (0.627)	103	3971908			15.67- 115.67	64.23

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.659)	45	1002405	100.000	96.590	50.00- 150.00	100.00
9.241	9.241 (0.659)	43	209550			0.00- 72.89	20.90
9.241	9.241 (0.659)	46	371652			0.00- 87.99	37.08
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	2675660	100.000	97.350	50.00- 150.00	100.00
9.987	9.987 (0.712)	153	1690850			15.09- 115.09	63.19
9.987	9.987 (0.712)	101	4013349			99.41- 199.41	149.99
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	4537275	100.000	98.987	50.00- 150.00	100.00
10.070	10.070 (0.718)	96	1979243			0.00- 94.29	43.62
10.070	10.070 (0.718)	98	1262255			0.00- 78.86	27.82
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.728)	58	1443260	100.000	99.049	50.00- 150.00	100.00
10.208	10.208 (0.728)	43	4760184			279.16- 379.16	329.82
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.742)	45	5504167	100.000	102.50	50.00- 150.00	100.00
10.402	10.402 (0.742)	43	1237613			0.00- 73.03	22.49
10.402	10.402 (0.742)	59	209390			0.00- 53.87	3.80
47 Carbon Disulfide					CAS #: 75-15-0		
10.595	10.595 (0.756)	76	6903289	100.000	100.92	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	1085579	100.000	99.590	50.00- 150.00	100.00
10.872	10.872 (0.775)	41	3959946			323.54- 423.54	364.78
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	3450571	100.000	95.358	50.00- 150.00	100.00
11.176	11.176 (0.797)	84	1868987			2.84- 102.84	54.16
11.176	11.176 (0.797)	51	1059444			0.00- 81.31	30.70
60 MTBE					CAS #: 1634-04-4		
11.536	11.536 (0.823)	73	6340092	100.000	104.69	50.00- 150.00	100.00
11.536	11.536 (0.823)	57	1918872			0.00- 81.12	30.27
11.536	11.536 (0.823)	41	1838566			0.00- 80.57	29.00
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.618	11.618 (0.828)	96	2214973	100.000	97.175	50.00- 150.00	100.00
11.618	11.618 (0.828)	61	4361339			143.74- 243.74	196.90
11.618	11.618 (0.828)	98	1400054			11.26- 111.26	63.21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	4853444	100.000	97.779	50.00- 150.00	100.00
11.978	11.978 (0.854)	43	2935741			13.33- 113.33	60.49
11.978	11.978 (0.854)	86	564035			0.00- 61.32	11.62
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	549186	100.000	104.67	50.00- 150.00	100.00
12.448	12.448 (0.888)	43	8234502			1516.61-1616.61	1499.40
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	5128148	100.000	98.684	50.00- 150.00	100.00
12.476	12.476 (0.890)	65	1502610			0.00- 80.69	29.30
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	1044852	100.000	99.625	50.00- 150.00	100.00
13.499	13.499 (0.963)	43	5894803			516.31- 616.31	564.18
13.526	13.526 (0.964)	57	474877			0.00- 98.33	45.45
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	3699631	100.000	98.078	50.00- 150.00	100.00
13.554	13.554 (0.966)	96	2022913			4.73- 104.73	54.68
13.554	13.554 (0.966)	98	1301205			0.00- 85.00	35.17
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	3162358	100.000	97.316	50.00- 150.00	100.00
13.996	13.996 (0.998)	71	965085			0.00- 79.68	30.52
13.996	13.996 (0.998)	72	1021901			0.00- 81.04	32.31
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	4301332	100.000	95.134	50.00- 150.00	100.00
14.079	14.079 (1.004)	85	2775677			14.66- 114.66	64.53
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.439	14.439 (1.030)	97	3785096	100.000	97.878	50.00- 150.00	100.00
14.439	14.439 (1.030)	99	2424090			13.90- 113.90	64.04
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	2471654	100.000	96.217	50.00- 150.00	100.00
14.466	14.466 (1.032)	56	4147694			115.42- 215.42	167.81
14.466	14.466 (1.032)	41	2282434			47.46- 147.46	92.34
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	3410376	100.000	102.41	50.00- 150.00	100.00
14.715	14.715 (1.049)	117	3550610			54.45- 154.45	104.11
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	5703330	100.000	93.759	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
15.130	15.130 (0.958)	77	1270833			0.00- 72.47	22.28
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
15.047	15.047 (1.073)	57	11610981	100.000	97.874	50.00- 150.00	100.00
15.047	15.047 (1.073)	56	3795438			0.00- 82.94	32.69
15.047	15.047 (1.073)	41	3155766			0.00- 78.78	27.18
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.241	15.241 (0.965)	62	3428117	100.000	100.68	50.00- 150.00	100.00
15.241	15.241 (0.965)	64	1046266			0.00- 82.37	30.52
	94 Heptane				CAS #: 142-82-5		
15.351	15.351 (0.972)	71	1777382	100.000	101.19	50.00- 150.00	100.00
15.351	15.351 (0.972)	43	4360021			207.18- 307.18	245.31
15.351	15.351 (0.972)	57	2370292			87.26- 187.26	133.36
	101 Trichloroethene				CAS #: 79-01-6		
16.264	16.264 (1.030)	95	2203510	100.000	98.521	50.00- 150.00	100.00
16.264	16.264 (1.030)	130	1934334			37.66- 137.66	87.78
16.264	16.264 (1.030)	97	1412892			15.94- 115.94	64.12
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.734	16.734 (1.060)	63	2397293	100.000	96.234	50.00- 150.00	100.00
16.734	16.734 (1.060)	62	1725976			21.90- 121.90	72.00
16.734	16.734 (1.060)	41	1690564			25.67- 125.67	70.52
	106 1,4-Dioxane				CAS #: 123-91-1		
16.872	16.872 (1.068)	88	1329044	100.000	98.598	50.00- 150.00	100.00
16.872	16.872 (1.068)	58	1230745			43.39- 143.39	92.60
16.872	16.872 (1.068)	57	439069			0.00- 83.16	33.04
	107 Bromodichloromethane				CAS #: 75-27-4		
17.176	17.176 (1.088)	83	4071443	100.000	100.89	50.00- 150.00	100.00
17.176	17.176 (1.088)	85	2603606			14.12- 114.12	63.95
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	3074662	100.000	100.42	50.00- 150.00	100.00
17.978	17.978 (1.138)	77	966360			0.00- 82.26	31.43
17.978	17.978 (1.138)	39	2408826			30.98- 130.98	78.34
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
18.171	18.171 (1.151)	58	2315496	100.000	103.82	50.00- 150.00	100.00
18.171	18.171 (1.151)	43	6104124			214.50- 314.50	263.62
18.171	18.171 (1.151)	85	726872			0.00- 81.42	31.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	5630320	100.000	96.933	50.00- 150.00	100.00
18.531	18.531 (1.173)	92	3479229			12.10- 112.10	61.79
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	3265125	100.000	100.62	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	1016928			0.00- 81.49	31.15
18.973	18.973 (0.903)	39	2387369			25.41- 125.41	73.12
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.305	19.305 (0.918)	97	1994093	100.000	94.925	50.00- 150.00	100.00
19.305	19.305 (0.918)	99	1254311			14.21- 114.21	62.90
19.305	19.305 (0.918)	83	1875096			43.93- 143.93	94.03
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	2276362	100.000	91.785	50.00- 150.00	100.00
19.471	19.471 (0.926)	129	1813665			28.52- 128.52	79.67
19.471	19.471 (0.926)	131	1739824			26.81- 126.81	76.43
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	3221580	100.000	105.49	50.00- 150.00	100.00
19.637	19.637 (0.934)	43	6132297			143.21- 243.21	190.35
19.637	19.637 (0.934)	100	392668			0.00- 62.47	12.19
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	3213619	100.000	100.97	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	2504005			27.43- 127.43	77.92
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	3293378	100.000	95.931	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	3079021			43.83- 143.83	93.49
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	4127595	100.000	93.119	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	1317745			0.00- 82.42	31.93
21.075	21.075 (1.003)	77	3139363			38.32- 138.32	76.06
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	2242503	100.000	93.755	50.00- 150.00	100.00
21.158	21.158 (1.007)	91	7260533			274.56- 374.56	323.77
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	2808487	100.000	91.857	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	5818043			152.08- 252.08	207.16
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	2385210	100.000	90.717	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	5200609			167.32- 267.32	218.04
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	4113203	100.000	85.930	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	2406863			9.88- 109.88	58.52
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	2377151	100.000	101.66	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	1235895			0.84- 100.84	51.99
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	6343018	100.000	78.316	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	1576799			0.00- 75.41	24.86
22.623	22.623 (1.076)	51	1016517			0.00- 66.31	16.03
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	3654537	100.000	92.077	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	2341745			14.66- 114.66	64.08
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	7577491	100.000	91.182	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	1553916			0.00- 70.26	20.51
23.342	23.342 (1.110)	105	277433			0.00- 53.59	3.66
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	6281453	100.000	92.706	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	1765025			0.00- 78.23	28.10
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	4964715	100.000	86.994	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	2255538			0.00- 95.48	45.43
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	4510693	100.000	88.392	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	1931397			0.00- 92.02	42.82
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	2656112	100.000	88.705	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	1677164			14.53- 114.53	63.14
24.807	24.807 (1.180)	111	1145474			0.00- 93.95	43.13
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	2648777	100.000	88.953	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	1670650			12.92- 112.92	63.07
24.946	24.946 (1.187)	111	1107015			0.00- 91.79	41.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	4238997	100.000	103.32	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	791279			0.00- 68.68	18.67
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	2322115	100.000	89.337	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	1466370			13.96- 113.96	63.15
25.581	25.581 (1.217)	111	1058878			0.00- 96.08	45.60
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	1098838	100.000	105.17	50.00- 150.00	100.00
28.429	28.429 (1.353)	182	1037634			43.17- 143.17	94.43
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	935501	100.000	102.02	50.00- 150.00	100.00
28.623	28.623 (1.362)	223	594124			14.02- 114.02	63.51
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	2355006	100.000	107.94	50.00- 150.00	100.00
28.982	28.982 (1.379)	127	301158			0.00- 63.00	12.79
29 Isopentane					CAS #: 78-78-4		
8.218	8.218 (0.586)	43	3513185	100.000	96.097	50.00- 150.00	100.00
8.218	8.218 (0.586)	57	2557146			22.27- 122.27	72.79
19 Butane					CAS #: 106-97-8		
6.780	6.780 (0.483)	58	559205	100.000	92.991	50.00- 150.00	100.00
6.752	6.752 (0.481)	43	4402907			714.53- 814.53	787.35
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	2838892	100.000	97.437	50.00- 150.00	100.00
16.540	16.540 (1.179)	98	1201454			0.00- 93.15	42.32
16.540	16.540 (1.179)	55	3422090			73.55- 173.55	120.54

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030608.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	265967	1.70
97 1,4-Difluorobenze	1003370	602022	1404718	1005704	0.23
126 Chlorobenzene-d5	803302	481981	1124623	813077	1.22

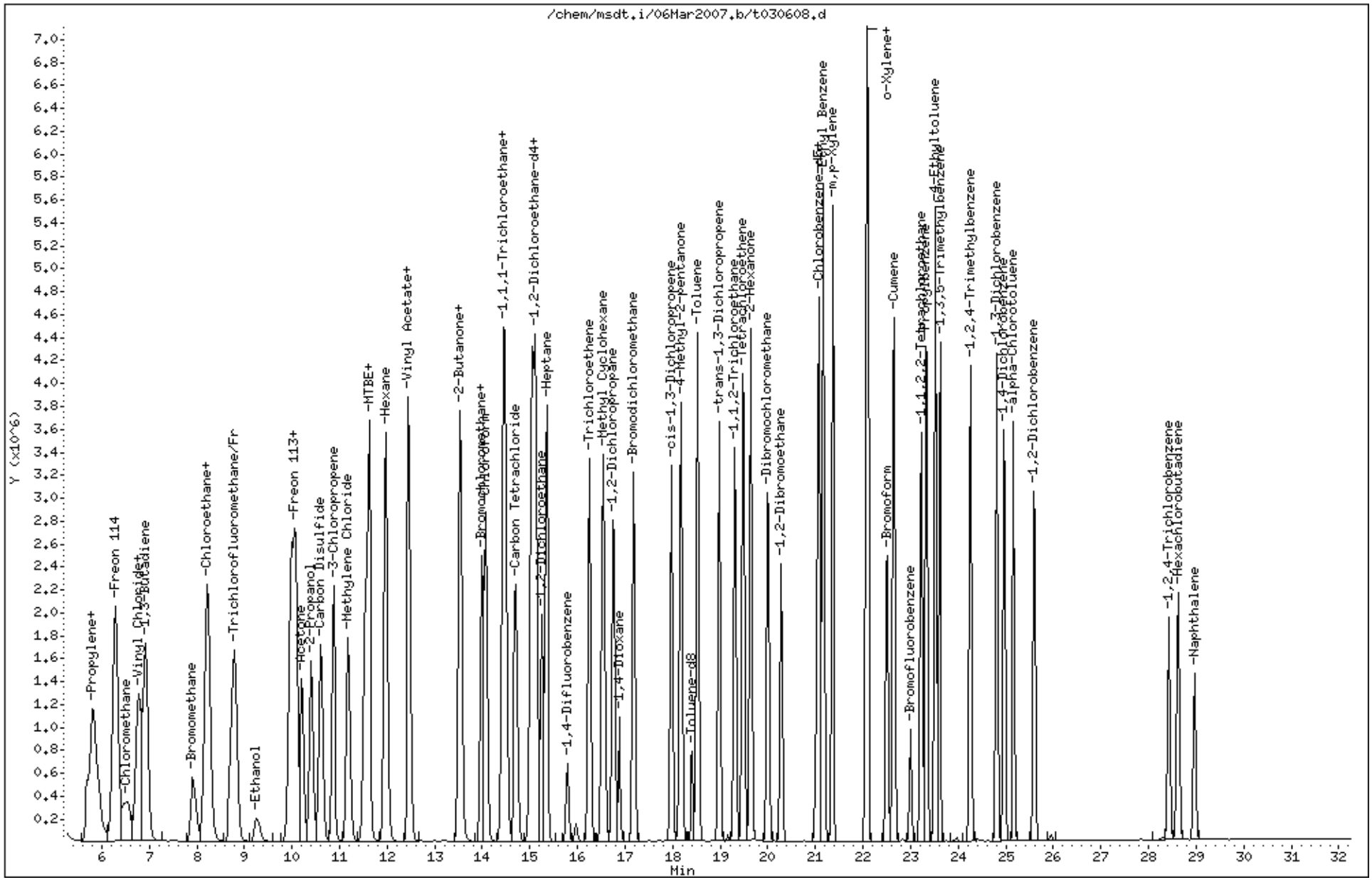
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/06Mar2007.b/t030608.d
Date : 06-MAR-2007 21:08
Client ID: Level 6
Sample Info: 100mL #1487-115

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

Column phase: RTx-624



0140

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Mar2007.b/t031504.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 15-MAR-2007 13:28
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #1443-13
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msdt.i/15Mar2007.b/t14q306b.m
Meth Date : 16-Mar-2007 12:17 ctaylor Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp17b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.024	14.024 (1.000)	130	286867	25.0000		50.00- 150.00		100.00
14.024	14.024 (1.000)	128	231692			27.74- 127.74		80.77
14.024	14.024 (1.000)	49	804998			242.30- 342.30		280.62
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.794	15.794 (1.000)	114	1078992	25.0000		50.00- 150.00		100.00
15.794	15.794 (1.000)	88	207608			0.00- 68.94		19.24
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	863408	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	565699			15.81- 115.81		65.52
96 2-Heptanone					CAS #: 110-43-0			
22.208	22.208 (1.584)	58	9241404	200.000	234.76	50.00- 150.00		100.00(A)
22.181	22.181 (1.582)	43	15801659			125.03- 225.03		170.99
146 Diisobutyl Ketone					CAS #: 108-83-8			
23.784	23.784 (1.132)	57	14229204	200.000	208.22	50.00- 150.00		100.00(A)
23.784	23.784 (1.132)	85	7919728			5.64- 105.64		55.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
146 Diisobutyl Ketone (continued)							
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
98 1-Butanol					CAS #: 71-36-3		
15.959	15.959 (1.010)	56	4957782	200.000	235.60	50.00- 150.00	100.00(A)
15.959	15.959 (1.010)	41	3684312			40.15- 140.15	74.31
15.959	15.959 (1.010)	43	2882530			11.56- 111.56	58.14
71 1-Propanol					CAS #: 71-23-8		
12.503	12.503 (0.892)	42	1583483	200.000	210.04	50.00- 150.00	100.00(A)
12.503	12.503 (0.892)	59	1898684			122.96- 222.96	119.91
12.393	12.393 (0.884)	41	4793979			296.58- 396.58	302.75
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.231	11.231 (0.801)	59	12548815	200.000	204.78	50.00- 150.00	100.00
11.231	11.231 (0.801)	41	2958008			0.00- 83.36	23.57
11.231	11.231 (0.801)	57	1383705			0.00- 60.94	11.03
68 Isopropyl ether					CAS #: 108-20-3		
12.393	12.393 (0.884)	45	23445915	200.000	200.34	50.00- 150.00	100.00
12.393	12.393 (0.884)	87	3832683			0.00- 66.47	16.35
12.393	12.393 (0.884)	59	2126962			0.00- 61.61	9.07
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.056	13.056 (0.931)	59	20297489	200.000	215.94	50.00- 150.00	100.00(A)
13.056	13.056 (0.931)	87	5881392			0.00- 80.13	28.98
13.056	13.056 (0.931)	41	3935165			0.00- 72.10	19.39
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.083)	73	10496956	200.000	214.90	50.00- 150.00	100.00(A)
15.185	15.185 (1.083)	87	2499369			0.00- 74.33	23.81
15.185	15.185 (1.083)	55	3934165			0.00- 92.41	37.48
77 Ethyl Acetate					CAS #: 141-78-6		
13.499	13.499 (0.963)	45	2422981	200.000	205.81	50.00- 150.00	100.00(A)
13.499	13.499 (0.963)	61	2023708			31.56- 131.56	83.52
13.499	13.499 (0.963)	43	16879414			641.88- 741.88	696.64
119 Butyl Acetate					CAS #: 123-86-4		
19.747	19.747 (1.250)	56	6451751	200.000	216.56	50.00- 150.00	100.00(A)
19.747	19.747 (1.250)	73	1581647			0.00- 73.34	24.52
19.747	19.747 (1.250)	43	17147190			212.38- 312.38	265.78
135 Cyclohexanone					CAS #: 108-94-1		
22.955	22.955 (1.092)	55	7409687	200.000	218.79	50.00- 150.00	100.00(A)
22.955	22.955 (1.092)	98	1938314			0.00- 75.98	26.16

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
135 Cyclohexanone (continued)							
22.955	22.955 (1.092)	42	5308906			21.44- 121.44	71.65
40 Freon123a					CAS #: 354-23-4		
9.628	9.628 (0.687)	67	6094160	200.000	197.42	50.00- 150.00	100.00
9.628	9.628 (0.687)	117	3193121			2.93- 102.93	52.40
41 Freon123					CAS #: 306-83-2		
9.766	9.766 (0.696)	83	3382047	200.000	194.44	50.00- 150.00	100.00
9.766	9.766 (0.696)	133	632935			0.00- 64.89	18.71
9.766	9.766 (0.696)	85	4024491			11.66- 111.66	119.00
13 Freon 134a					CAS #: 811-97-2		
5.619	5.619 (0.401)	83	4143000	200.000	175.82	50.00- 150.00	100.00
5.425	5.425 (0.387)	69	12174729			262.56- 362.56	293.86
15 Freon 152a					CAS #: 75-37-6		
5.812	5.812 (0.414)	65	2512712	200.000	145.79	50.00- 150.00	100.00
5.895	5.895 (0.420)	51	17694170			583.26- 683.26	704.19
5.840	5.840 (0.416)	47	1802167			20.15- 120.15	71.72
6 Freon142b					CAS #: 75-68-3		
6.365	6.365 (0.454)	65	8203626	200.000	183.51	50.00- 150.00	100.00
6.365	6.365 (0.454)	45	2584644			0.00- 81.15	31.51
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.798	8.798 (0.627)	67	6551095	200.000	182.89	50.00- 150.00	100.00
8.798	8.798 (0.627)	69	1919025			0.00- 79.13	29.29
8.798	8.798 (0.627)	35	557221			0.00- 55.26	8.51

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: msdt.i
Lab File ID: t031504.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 15-MAR-2007
Calibration Time: 12:47
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	281387	168832	393942	286867	1.95
97 1,4-Difluorobenze	1032064	619238	1444890	1078992	4.55
126 Chlorobenzene-d5	827910	496746	1159074	863408	4.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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.

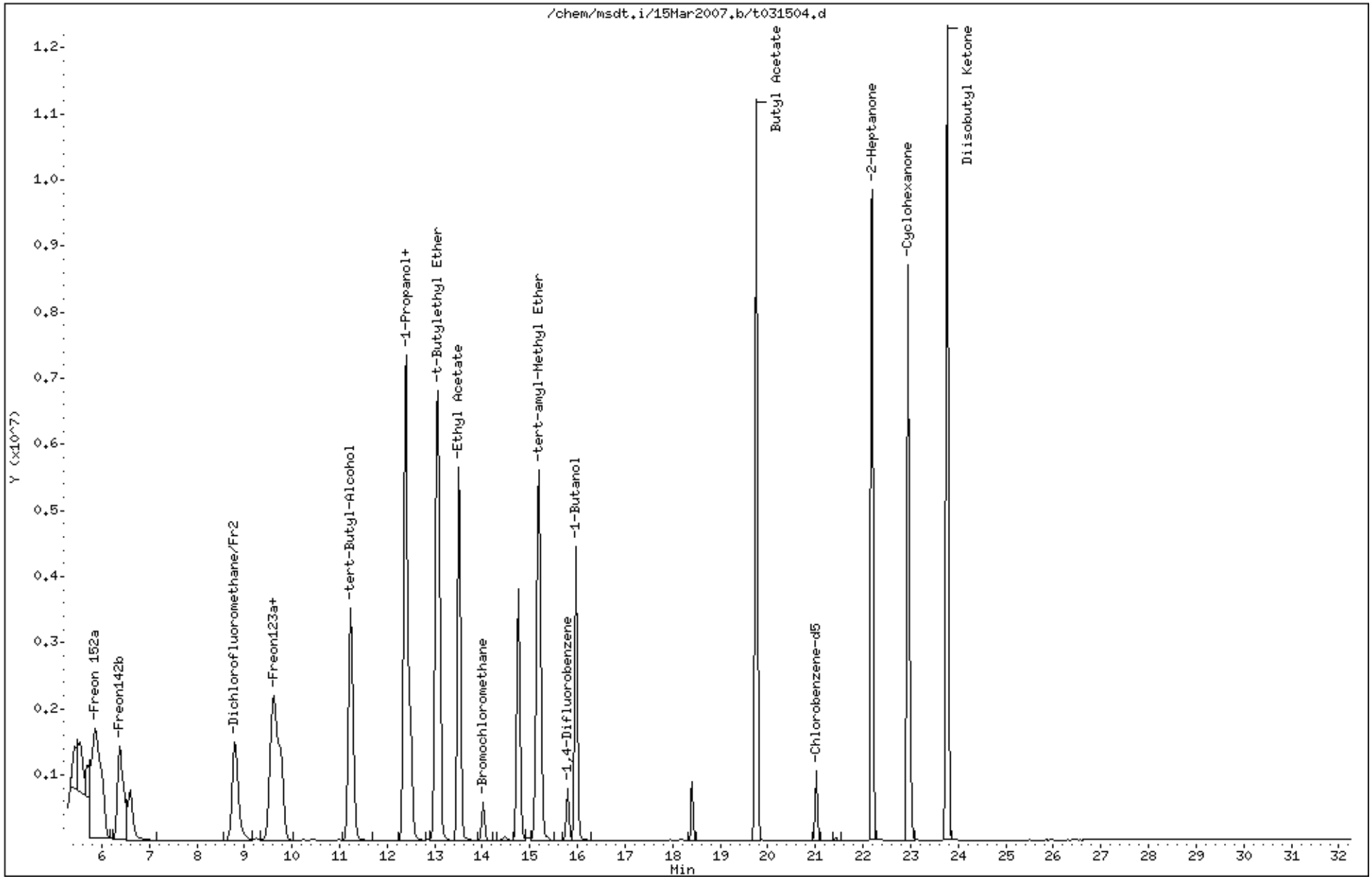
0145

Data File: /chem/msdt.i/15Mar2007.b/t031504.d
Date : 15-MAR-2007 13:28
Client ID: Level 7
Sample Info: 200mL #1443-13

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Mar2007.b/t030609.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 06-MAR-2007 21:49
Operator : srs Inst ID: msdt.i
Smp Info : 200mL #1487-115
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/06Mar2007.b/t14q306a.m
Meth Date : 07-Mar-2007 09:51 ctaylor Quant Type: ISTD
Cal Date : 06-MAR-2007 21:49 Cal File: t030609.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
* 81 Bromochloromethane						CAS #: 74-97-5		
14.024	14.024 (1.000)	130	267956	25.0000		50.00- 150.00		100.00
14.024	14.024 (1.000)	128	205497			27.57- 127.57		76.69
14.079	14.079 (1.000)	49	1687717			252.32- 352.32		629.85
* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1026755	25.0000		50.00- 150.00		100.00
15.793	15.793 (1.000)	88	197158			0.00- 68.95		19.20
* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	846856	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	545179			15.44- 115.44		64.38
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	573384	25.0000	26.799	50.00- 150.00		100.00
15.102	15.102 (1.077)	67	406822			2.09- 102.09		70.95
$ 113 Toluene-d8						CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1065953	25.0000	25.452	50.00- 150.00		100.00
18.420	18.420 (1.166)	70	137491			0.00- 63.13		12.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	756344			21.11- 121.11	70.95
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	385206	25.0000	24.892	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	628581			110.14- 210.14	163.18
23.010	23.010 (1.095)	176	376875			46.78- 146.78	97.84
11 Propylene					CAS #: 115-07-1		
5.757	5.757 (0.410)	41	3307115	200.000	177.01	50.00- 150.00	100.00
5.757	5.757 (0.410)	42	2269971			22.02- 122.02	68.64
5.757	5.757 (0.410)	39	2612603			26.75- 126.75	79.00
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.867	5.867 (0.418)	85	9722515	200.000	185.68	50.00- 150.00	100.00
5.867	5.867 (0.418)	87	3125911			0.00- 82.48	32.15
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.452)	135	4516400	200.000	142.70	50.00- 150.00	100.00
6.337	6.337 (0.452)	137	1440224			0.00- 81.20	31.89
18 Chloromethane					CAS #: 74-87-3		
6.614	6.614 (0.472)	50	3272329	200.000	153.18	50.00- 150.00	100.00
6.614	6.614 (0.472)	52	1116732			0.00- 84.39	34.13
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.491)	62	4517707	200.000	180.69	50.00- 150.00	100.00
6.890	6.890 (0.491)	64	1386562			0.00- 81.04	30.69
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.499)	54	5149567	200.000	190.15	50.00- 150.00	100.00
7.001	7.001 (0.499)	39	5993025			49.39- 149.39	116.38
25 Bromomethane					CAS #: 74-83-9		
7.969	7.969 (0.568)	94	3367838	200.000	183.92	50.00- 150.00	100.00
7.969	7.969 (0.568)	96	3143647			45.57- 145.57	93.34
27 Chloroethane					CAS #: 75-00-3		
8.273	8.273 (0.590)	64	2268902	200.000	176.41	50.00- 150.00	100.00
8.273	8.273 (0.590)	49	730869			0.00- 80.33	32.21
8.273	8.273 (0.590)	66	682250			0.00- 80.46	30.07
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.853	8.853 (0.631)	101	12053084	200.000	193.66	50.00- 150.00	100.00
8.853	8.853 (0.631)	103	7751201			15.67- 115.67	64.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.323	9.323 (0.665)	45	1938250	200.000	188.13	50.00- 150.00	100.00
9.323	9.323 (0.665)	43	415612			0.00- 72.89	21.44
9.323	9.323 (0.665)	46	728189			0.00- 87.99	37.57
42 Freon 113					CAS #: 76-13-1		
10.015	10.015 (0.714)	151	5279634	200.000	192.16	50.00- 150.00	100.00
10.015	10.015 (0.714)	153	3326889			15.09- 115.09	63.01
10.015	10.015 (0.714)	101	7832792			99.41- 199.41	148.36
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.125	10.125 (0.722)	61	8969925	200.000	195.18	50.00- 150.00	100.00
10.125	10.125 (0.722)	96	3948120			0.00- 94.29	44.02
10.125	10.125 (0.722)	98	2532135			0.00- 78.86	28.23
45 Acetone					CAS #: 67-64-1		
10.264	10.264 (0.732)	58	2887868	200.000	197.37	50.00- 150.00	100.00
10.264	10.264 (0.732)	43	9749001			279.16- 379.16	337.58
46 2-Propanol					CAS #: 67-63-0		
10.429	10.429 (0.744)	45	11146228	200.000	204.79	50.00- 150.00	100.00(A)
10.429	10.429 (0.744)	43	2309449			0.00- 73.03	20.72
10.429	10.429 (0.744)	59	413733			0.00- 53.87	3.71
47 Carbon Disulfide					CAS #: 75-15-0		
10.651	10.651 (0.759)	76	13268924	200.000	193.75	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.899	10.899 (0.777)	76	2185497	200.000	199.20	50.00- 150.00	100.00
10.899	10.899 (0.777)	41	7879818			323.54- 423.54	360.55
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.801)	49	6000325	200.000	169.59	50.00- 150.00	100.00
11.231	11.231 (0.801)	84	3262705			2.84- 102.84	54.38
11.231	11.231 (0.801)	51	1838716			0.00- 81.31	30.64
60 MTBE					CAS #: 1634-04-4		
11.563	11.563 (0.825)	73	12550759	200.000	204.73	50.00- 150.00	100.00(A)
11.563	11.563 (0.825)	57	3763642			0.00- 81.12	29.99
11.563	11.563 (0.825)	41	3604806			0.00- 80.57	28.72
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.646	11.646 (0.830)	96	4352668	200.000	191.21	50.00- 150.00	100.00
11.646	11.646 (0.830)	61	8558302			143.74- 243.74	196.62
11.646	11.646 (0.830)	98	2760602			11.26- 111.26	63.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	9450719	200.000	190.74	50.00- 150.00	100.00
11.978	11.978 (0.854)	43	5683297			13.33- 113.33	60.14
11.978	11.978 (0.854)	86	1093159			0.00- 61.32	11.57
69 Vinyl Acetate					CAS #: 108-05-4		
12.476	12.476 (0.890)	86	1066506	200.000	201.40	50.00- 150.00	100.00(A)
12.448	12.448 (0.888)	43	16083538			1516.61-1616.61	1508.06
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.503	12.503 (0.892)	63	9984016	200.000	192.19	50.00- 150.00	100.00
12.503	12.503 (0.892)	65	2941702			0.00- 80.69	29.46
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	2052631	200.000	195.20	50.00- 150.00	100.00
13.526	13.526 (0.964)	43	11547315			516.31- 616.31	562.56
13.526	13.526 (0.964)	57	922381			0.00- 98.33	44.94
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	7252002	200.000	192.29	50.00- 150.00	100.00
13.554	13.554 (0.966)	96	3961788			4.73- 104.73	54.63
13.554	13.554 (0.966)	98	2513374			0.00- 85.00	34.66
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (1.000)	42	6209344	200.000	191.31	50.00- 150.00	100.00
14.024	14.024 (1.000)	71	1919519			0.00- 79.68	30.91
14.024	14.024 (1.000)	72	2045905			0.00- 81.04	32.95
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.006)	83	8424663	200.000	186.96	50.00- 150.00	100.00
14.107	14.107 (1.006)	85	5459490			14.66- 114.66	64.80
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.032)	97	7327387	200.000	189.96	50.00- 150.00	100.00
14.466	14.466 (1.032)	99	4654933			13.90- 113.90	63.53
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	4753623	200.000	186.21	50.00- 150.00	100.00
14.466	14.466 (1.032)	56	7911926			115.42- 215.42	166.44
14.466	14.466 (1.032)	41	4354519			47.46- 147.46	91.60
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	6655815	200.000	198.65	50.00- 150.00	100.00
14.715	14.715 (1.049)	117	6958051			54.45- 154.45	104.54
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	11082912	200.000	181.25	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.130	15.130 (0.958)	77	2477494			0.00- 72.47	22.35
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	22563777	200.000	190.57	50.00- 150.00	100.00
15.047	15.047 (1.073)	56	7401941			0.00- 82.94	32.80
15.047	15.047 (1.073)	41	6118676			0.00- 78.78	27.12
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.240	15.240 (0.965)	62	6732650	200.000	194.70	50.00- 150.00	100.00
15.240	15.240 (0.965)	64	2057511			0.00- 82.37	30.56
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	3471004	200.000	194.60	50.00- 150.00	100.00
15.351	15.351 (0.972)	43	8402221			207.18- 307.18	242.07
15.351	15.351 (0.972)	57	4557719			87.26- 187.26	131.31
101 Trichloroethene					CAS #: 79-01-6		
16.263	16.263 (1.030)	95	4243171	200.000	188.05	50.00- 150.00	100.00
16.263	16.263 (1.030)	130	3735394			37.66- 137.66	88.03
16.263	16.263 (1.030)	97	2752178			15.94- 115.94	64.86
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	4710798	200.000	187.54	50.00- 150.00	100.00
16.761	16.761 (1.061)	62	3384415			21.90- 121.90	71.84
16.761	16.761 (1.061)	41	3303232			25.67- 125.67	70.12
106 1,4-Dioxane					CAS #: 123-91-1		
16.872	16.872 (1.068)	88	2640417	200.000	193.44	50.00- 150.00	100.00
16.872	16.872 (1.068)	58	2437140			43.39- 143.39	92.30
16.872	16.872 (1.068)	57	871902			0.00- 83.16	33.02
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	8022303	200.000	195.57	50.00- 150.00	100.00
17.204	17.204 (1.089)	85	5115919			14.12- 114.12	63.77
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	6058691	200.000	194.82	50.00- 150.00	100.00
17.978	17.978 (1.138)	77	1884099			0.00- 82.26	31.10
17.978	17.978 (1.138)	39	4715813			30.98- 130.98	77.84
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	4573204	200.000	200.71	50.00- 150.00	100.00(A)
18.171	18.171 (1.151)	43	11970299			214.50- 314.50	261.75
18.171	18.171 (1.151)	85	1447060			0.00- 81.42	31.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	11020091	200.000	188.06	50.00- 150.00	100.00
18.531	18.531 (1.173)	92	6773147			12.10- 112.10	61.46
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	6452881	200.000	192.38	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	2012447			0.00- 81.49	31.19
18.973	18.973 (0.903)	39	4669120			25.41- 125.41	72.36
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	3881755	200.000	180.82	50.00- 150.00	100.00
19.333	19.333 (0.920)	99	2427194			14.21- 114.21	62.53
19.305	19.305 (0.918)	83	3645846			43.93- 143.93	93.92
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	4406519	200.000	174.87	50.00- 150.00	100.00
19.498	19.498 (0.928)	129	3459482			28.52- 128.52	78.51
19.498	19.498 (0.928)	131	3329669			26.81- 126.81	75.56
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	6378052	200.000	200.41	50.00- 150.00	100.00(A)
19.637	19.637 (0.934)	43	12193230			143.21- 243.21	191.17
19.637	19.637 (0.934)	100	794878			0.00- 62.47	12.46
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	6267193	200.000	190.80	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	4854258			27.43- 127.43	77.46
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	6403980	200.000	182.27	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	6025733			43.83- 143.83	94.09
127 Chlorobenzene					CAS #: 108-90-7		
21.074	21.074 (1.003)	112	8123291	200.000	179.55	50.00- 150.00	100.00
21.074	21.074 (1.003)	114	2563254			0.00- 82.42	31.55
21.074	21.074 (1.003)	77	6054829			38.32- 138.32	74.54
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	4408920	200.000	180.44	50.00- 150.00	100.00
21.157	21.157 (1.007)	91	14318729			274.56- 374.56	324.77
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	5540333	200.000	177.84	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	11479674			152.08- 252.08	207.20
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	4621167	200.000	173.26	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	10097369			167.32- 267.32	218.50
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	7946668	200.000	164.15	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	4655683			9.88- 109.88	58.59
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	4664808	200.000	192.89	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	2424938			0.84- 100.84	51.98
134 Cumene					CAS #: 98-82-8		
22.650	22.650 (1.078)	105	12536578	200.000	154.27	50.00- 150.00	100.00
22.650	22.650 (1.078)	120	3049441			0.00- 75.41	24.32
22.650	22.650 (1.078)	51	1970669			0.00- 66.31	15.72
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	7158651	200.000	177.13	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	4568523			14.66- 114.66	63.82
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	14903815	200.000	176.27	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	3074782			0.00- 70.26	20.63
23.342	23.342 (1.110)	105	541428			0.00- 53.59	3.63
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	12232563	200.000	177.27	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	3455106			0.00- 78.23	28.25
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	9760228	200.000	169.25	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	4415640			0.00- 95.48	45.24
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	8939077	200.000	172.76	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	3804485			0.00- 92.02	42.56
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	5321828	200.000	174.92	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	3366917			14.53- 114.53	63.27
24.807	24.807 (1.180)	111	2286045			0.00- 93.95	42.96
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	5412805	200.000	178.31	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	3427678			12.92- 112.92	63.33
24.945	24.945 (1.187)	111	2222141			0.00- 91.79	41.05

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	8954412	200.000	207.90	50.00- 150.00	100.00(A)
25.167	25.167 (1.197)	126	1650369			0.00- 68.68	18.43
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	4716321	200.000	178.04	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	2994727			13.96- 113.96	63.50
25.609	25.609 (1.218)	111	2119287			0.00- 96.08	44.94
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	2333806	200.000	211.40	50.00- 150.00	100.00(A)
28.429	28.429 (1.353)	182	2217130			43.17- 143.17	95.00
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	1939672	200.000	202.46	50.00- 150.00	100.00(A)
28.623	28.623 (1.362)	223	1212796			14.02- 114.02	62.53
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	4962109	200.000	214.42	50.00- 150.00	100.00(A)
28.982	28.982 (1.379)	127	630230			0.00- 63.00	12.70
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.590)	43	6954889	200.000	190.96	50.00- 150.00	100.00
8.273	8.273 (0.590)	57	5018856			22.27- 122.27	72.16
19 Butane					CAS #: 106-97-8		
6.863	6.863 (0.489)	58	1020900	200.000	173.98	50.00- 150.00	100.00
6.863	6.863 (0.489)	43	7894689			714.53- 814.53	773.31
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	5544329	200.000	190.65	50.00- 150.00	100.00
16.540	16.540 (1.179)	98	2329159			0.00- 93.15	42.01
16.540	16.540 (1.179)	55	6638028			73.55- 173.55	119.73

QC Flag Legend

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

Report Date: 07-Mar-2007 09:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030609.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	261515	156909	366121	267956	2.46
97 1,4-Difluorobenze	1003370	602022	1404718	1026755	2.33
126 Chlorobenzene-d5	803302	481981	1124623	846856	5.42

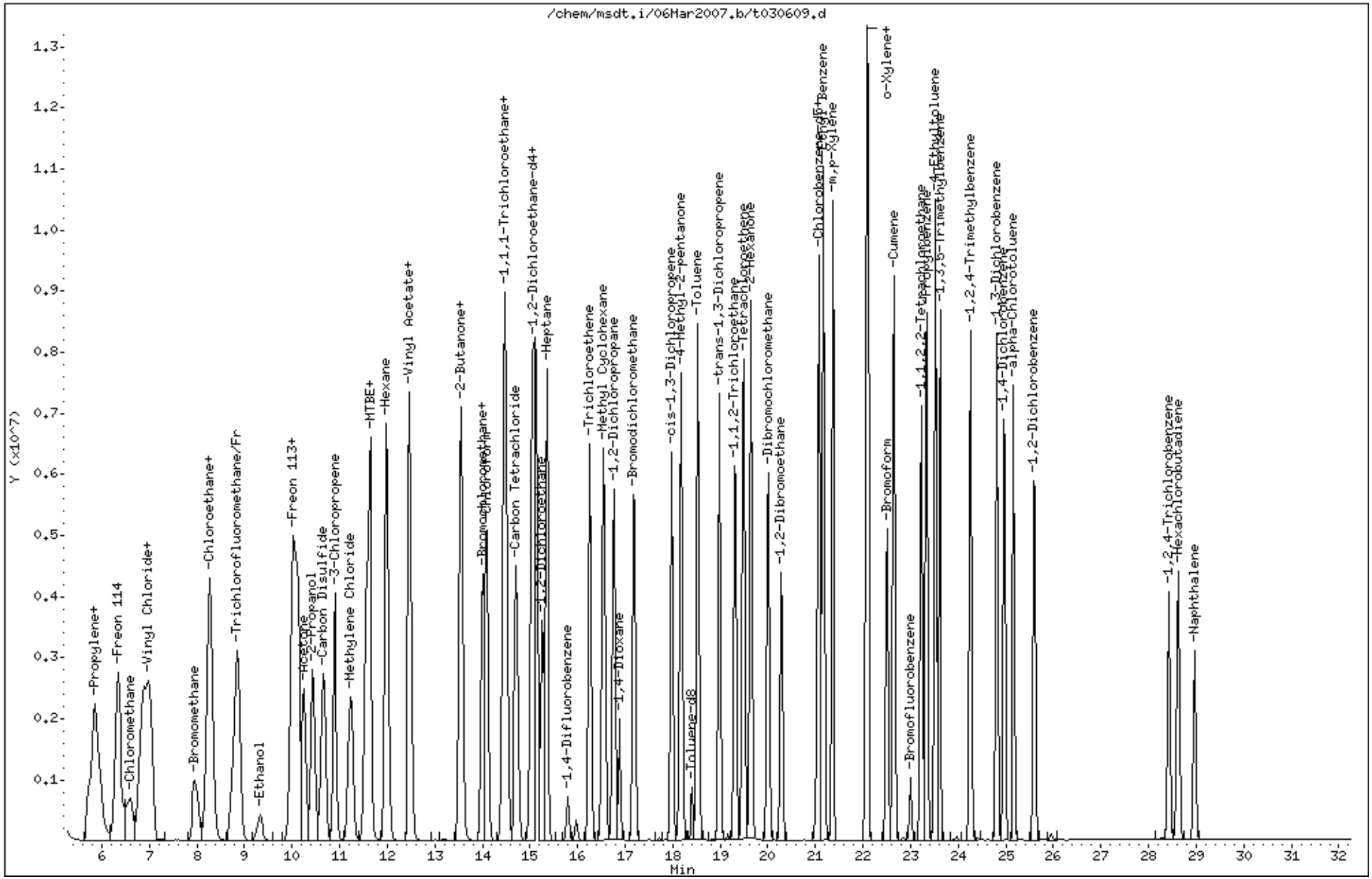
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/06Mar2007.b/t030609.d
Date : 06-MAR-2007 21:49
Client ID: Level 7
Sample Info: 200mL #1487-115

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703272-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 08:35 AM**	

Compound	%Recovery
Freon 12	110
Freon 114	113
Vinyl Chloride	102
Bromomethane	104
Chloroethane	90
Freon 11	114
1,1-Dichloroethene	107
Freon 113	102
Methylene Chloride	108
1,1-Dichloroethane	105
cis-1,2-Dichloroethene	106
Chloroform	104
1,1,1-Trichloroethane	110
Carbon Tetrachloride	116
Benzene	97
1,2-Dichloroethane	113
Trichloroethene	107
1,2-Dichloropropane	101
cis-1,3-Dichloropropene	107
Toluene	102
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	101
Tetrachloroethene	95
1,2-Dibromoethane (EDB)	103
Chlorobenzene	98
Ethyl Benzene	98
m,p-Xylene	97
o-Xylene	95
Styrene	89
1,1,2,2-Tetrachloroethane	98
1,3,5-Trimethylbenzene	93
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	94
1,3-Butadiene	106
Hexane	100
Cyclohexane	102

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703272-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 08:35 AM**	

Compound	%Recovery
Heptane	104
Bromodichloromethane	111
Dibromochloromethane	110
Cumene	84
Propylbenzene	96
Chloromethane	114
1,2,4-Trichlorobenzene	113
Hexachlorobutadiene	104
Acetone	99
Carbon Disulfide	104
2-Propanol	104
trans-1,2-Dichloroethene	103
2-Butanone (Methyl Ethyl Ketone)	100
Tetrahydrofuran	101
1,4-Dioxane	103
4-Methyl-2-pentanone	105
2-Hexanone	101
Bromoform	109
4-Ethyltoluene	98
Ethanol	104
Methyl tert-butyl ether	106
3-Chloropropene	99
2,2,4-Trimethylpentane	101
Naphthalene	118

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 20-MAR-2007 08:35
Lab File ID: t032002.d Init. Cal. Date(s): 06-MAR-2007 15-MAR-2007
Analysis Type: AIR Init. Cal. Times: 16:57 13:28
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/20Mar2007.b/t14q306b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.99620	2.05093	0.010	-2.74167	30.00000	Averaged
$ 113 Toluene-d8	1.01973	1.03073	0.010	-1.07905	30.00000	Averaged
$ 137 Bromofluorobenzene	0.45685	0.46482	0.010	-1.74626	30.00000	Averaged
11 Propylene	1.74308	1.86274	0.010	-6.86482	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.88517	5.39432	0.010	-10.42228	30.00000	Averaged
16 Freon 114	2.95279	3.32916	0.010	-12.74641	30.00000	Averaged
18 Chloromethane	1.99316	2.26535	0.010	-13.65611	30.00000	Averaged
20 Vinyl Chloride	2.33267	2.38297	0.010	-2.15630	30.00000	Averaged
22 1,3-Butadiene	2.52671	2.66910	0.010	-5.63514	30.00000	Averaged
25 Bromomethane	1.70845	1.77055	0.010	-3.63493	30.00000	Averaged
27 Chloroethane	1.19997	1.08667	0.010	9.44204	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	5.80666	6.65013	0.010	-14.52608	30.00000	Averaged
38 Ethanol	0.96123	0.99963	0.010	-3.99516	30.00000	Averaged
42 Freon 113	2.56340	2.61290	0.010	-1.93087	30.00000	Averaged
43 1,1-Dichloroethene	4.28785	4.59086	0.010	-7.06676	30.00000	Averaged
45 Acetone	1.36515	1.35580	0.010	0.68458	30.00000	Averaged
46 2-Propanol	5.07802	5.27779	0.010	-3.93413	30.00000	Averaged
47 Carbon Disulfide	6.38949	6.65394	0.010	-4.13894	30.00000	Averaged
51 3-Chloropropene	1.02359	1.01105	0.010	1.22519	30.00000	Averaged
54 Methylene Chloride	3.30095	3.58030	0.010	-8.46247	30.00000	Averaged
60 MTBE	5.71957	6.06594	0.010	-6.05584	30.00000	Averaged
61 trans-1,2-Dichloroethene	2.12385	2.18647	0.010	-2.94841	30.00000	Averaged
65 Hexane	4.62286	4.60054	0.010	0.48271	30.00000	Averaged
69 Vinyl Acetate	0.49407	0.51298	0.010	-3.82888	30.00000	Averaged
70 1,1-Dichloroethane	4.84670	5.07560	0.010	-4.72272	30.00000	Averaged
75 2-Butanone	0.98111	0.98499	0.010	-0.39550	30.00000	Averaged
76 cis-1,2-Dichloroethene	3.51858	3.71922	0.010	-5.70244	30.00000	Averaged
80 Tetrahydrofuran	3.02817	3.07246	0.010	-1.46251	30.00000	Averaged
82 Chloroform	4.20421	4.36692	0.010	-3.87006	30.00000	Averaged
83 1,1,1-Trichloroethane	3.59888	3.94969	0.010	-9.74781	30.00000	Averaged
85 Cyclohexane	2.38178	2.43555	0.010	-2.25771	30.00000	Averaged
87 Carbon Tetrachloride	3.12605	3.61862	0.010	-15.75695	30.00000	Averaged
89 2,2,4-Trimethylpentane	11.04683	11.17254	0.010	-1.13800	30.00000	Averaged
91 Benzene	1.48885	1.45127	0.010	2.52410	30.00000	Averaged
93 1,2-Dichloroethane	0.84194	0.94864	0.010	-12.67288	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 20-MAR-2007 08:35
Lab File ID: t032002.d Init. Cal. Date(s): 06-MAR-2007 15-MAR-2007
Analysis Type: AIR Init. Cal. Times: 16:57 13:28
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/20Mar2007.b/t14q306b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
94 Heptane	0.43429	0.45235	0.010	-4.15836	30.00000	Averaged
101 Trichloroethene	0.54941	0.58800	0.010	-7.02430	30.00000	Averaged
104 1,2-Dichloropropane	0.61162	0.61779	0.010	-1.00950	30.00000	Averaged
106 1,4-Dioxane	0.33235	0.34141	0.010	-2.72558	30.00000	Averaged
107 Bromodichloromethane	0.99876	1.10576	0.010	-10.71307	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.75721	0.81023	0.010	-7.00120	30.00000	Averaged
111 4-Methyl-2-pentanone	0.55478	0.58446	0.010	-5.35085	30.00000	Averaged
114 Toluene	1.42683	1.45931	0.010	-2.27625	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.99020	1.02937	0.010	-3.95561	30.00000	Averaged
117 1,1,2-Trichloroethane	0.63375	0.64061	0.010	-1.08144	30.00000	Averaged
120 Tetrachloroethene	0.74388	0.70390	0.010	5.37392	30.00000	Averaged
121 2-Hexanone	0.93950	0.94766	0.010	-0.86909	30.00000	Averaged
122 Dibromochloromethane	0.96967	1.06894	0.010	-10.23696	30.00000	Averaged
123 1,2-Dibromoethane	1.03719	1.07106	0.010	-3.26533	30.00000	Averaged
127 Chlorobenzene	1.33559	1.31013	0.010	1.90617	30.00000	Averaged
128 Ethyl Benzene	0.72133	0.70998	0.010	1.57302	30.00000	Averaged
129 m,p-Xylene	0.91970	0.89377	0.010	2.81930	30.00000	Averaged
130 o-Xylene	0.78738	0.75036	0.010	4.70278	30.00000	Averaged
131 Styrene	1.42910	1.27629	0.010	10.69256	30.00000	Averaged
133 Bromoform	0.71392	0.78112	0.010	-9.41396	30.00000	Averaged
134 Cumene	2.39892	2.01014	0.010	16.20633	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.19307	1.17263	0.010	1.71389	30.00000	Averaged
142 Propylbenzene	2.49597	2.39430	0.010	4.07329	30.00000	Averaged
145 4-Ethyltoluene	2.03706	2.00822	0.010	1.41547	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.70239	1.59031	0.010	6.58394	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.52746	1.42334	0.010	6.81613	30.00000	Averaged
155 1,3-Dichlorobenzene	0.89815	0.84302	0.010	6.13806	30.00000	Averaged
156 1,4-Dichlorobenzene	0.89614	0.84549	0.010	5.65199	30.00000	Averaged
159 alpha-Chlorotoluene	1.27151	1.37148	0.010	-7.86224	30.00000	Averaged
161 1,2-Dichlorobenzene	0.78204	0.73742	0.010	5.70468	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.32590	0.36983	0.010	-13.48044	30.00000	Averaged
166 Hexachlorobutadiene	0.28283	0.29390	0.010	-3.91399	30.00000	Averaged
29 Isopentane	3.39799	3.64290	0.010	-7.20754	30.00000	Averaged
19 Butane	0.54745	0.58151	0.010	-6.22168	30.00000	Averaged
102 Methyl Cyclohexane	2.71329	2.72326	0.010	-0.36762	30.00000	Averaged
167 Naphthalene	0.68317	0.80650	0.010	-18.05383	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/20Mar2007.b/t032002.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 20-MAR-2007 08:35
Operator : lmr Inst ID: msdt.i
Smp Info : 50ml #1487-115
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/20Mar2007.b/t14q306b.m
Meth Date : 20-Mar-2007 09:01 lrandolp Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	286330	25.0000		80.00- 120.00	100.00
14.024	14.024 (1.000)	128	225403			28.72- 128.72	78.72
14.024	14.024 (1.000)	49	1053314			317.87- 417.87	367.87
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1066447	25.0000		80.00- 120.00	100.00
15.793	15.793 (1.000)	88	196725			0.00- 68.45	18.45
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	899436	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	583714			15.81- 115.81	64.90
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	587242	25.0000	25.685	80.00- 120.00	100.00
15.102	15.102 (1.077)	67	318292			2.09- 102.09	54.20
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1099223	25.0000	25.270	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	145043			0.00- 63.13	13.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	793078			21.11- 121.11	72.15
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	418079	25.0000	25.436	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	689667			114.96- 214.96	164.96
23.010	23.010 (1.095)	176	407609			47.50- 147.50	97.50
11 Propylene					CAS #: 115-07-1		
5.729	5.729 (0.409)	41	1066719	50.0000	53.432	80.00- 120.00	100.00
5.729	5.729 (0.409)	42	743851			22.02- 122.02	69.73
5.729	5.729 (0.409)	39	851928			26.75- 126.75	79.86
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.867	5.867 (0.418)	85	3089109	50.0000	55.211	80.00- 120.00	100.00
5.867	5.867 (0.418)	87	991040			0.00- 82.48	32.08
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.450)	135	1906479	50.0000	56.373	80.00- 120.00	100.00
6.310	6.310 (0.450)	137	607429			0.00- 81.86	31.86
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.466)	50	1297275	50.0000	56.828	80.00- 120.00	100.00
6.531	6.531 (0.466)	52	443608			0.00- 84.39	34.20
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.489)	62	1364633	50.0000	51.078	80.00- 120.00	100.00
6.863	6.863 (0.489)	64	419066			0.00- 81.04	30.71
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.495)	54	1528486	50.0000	52.818	80.00- 120.00	100.00
6.946	6.946 (0.495)	39	1497693			49.39- 149.39	97.99
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.566)	94	1013921	50.0000	51.817	80.00- 120.00	100.00
7.941	7.941 (0.566)	96	949347			43.63- 143.63	93.63
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.588)	64	622294	50.0000	45.279	80.00- 120.00	100.00
8.245	8.245 (0.588)	49	221761			0.00- 80.33	35.64
8.245	8.245 (0.588)	66	186013			0.00- 80.46	29.89
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.627)	101	3808266	50.0000	57.263	80.00- 120.00	100.00
8.798	8.798 (0.627)	103	2452128			14.39- 114.39	64.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.659)	45	572447	50.0000	51.998	80.00- 120.00	100.00
9.268	9.268 (0.661)	43	126053			0.00- 72.89	22.02
9.241	9.241 (0.659)	46	216972			0.00- 87.99	37.90
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	1496302	50.0000	50.965	80.00- 120.00	100.00
9.987	9.987 (0.712)	153	941649			12.93- 112.93	62.93
9.987	9.987 (0.712)	101	2318447			104.95- 204.95	154.95
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.718)	61	2629003	50.0000	53.533	80.00- 120.00	100.00
10.070	10.070 (0.718)	96	1112803			0.00- 92.33	42.33
10.070	10.070 (0.718)	98	707486			0.00- 76.91	26.91
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.730)	58	776415	50.0000	49.658	80.00- 120.00	100.00
10.236	10.236 (0.730)	43	2811790			279.16- 379.16	362.15
46 2-Propanol					CAS #: 67-63-0		
10.429	10.429 (0.744)	45	3022382	50.0000	51.967	80.00- 120.00	100.00
10.429	10.429 (0.744)	43	694333			0.00- 73.03	22.97
10.429	10.429 (0.744)	59	107732			0.00- 53.87	3.56
47 Carbon Disulfide					CAS #: 75-15-0		
10.623	10.623 (0.757)	76	3810447	50.0000	52.069	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	578990	50.0000	49.387	80.00- 120.00	100.00
10.872	10.872 (0.775)	41	2235160			323.54- 423.54	386.04
54 Methylene Chloride					CAS #: 75-09-2		
11.176	11.176 (0.797)	49	2050293	50.0000	54.231	80.00- 120.00	100.00
11.204	11.204 (0.799)	84	1039386			0.69- 100.69	50.69
11.176	11.176 (0.797)	51	628480			0.00- 81.31	30.65
60 MTBE					CAS #: 1634-04-4		
11.535	11.535 (0.823)	73	3473721	50.0000	53.028	80.00- 120.00	100.00
11.535	11.535 (0.823)	57	1054849			0.00- 80.37	30.37
11.563	11.563 (0.825)	41	1066950			0.00- 80.57	30.71
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.618	11.618 (0.828)	96	1252103	50.0000	51.474	80.00- 120.00	100.00
11.618	11.618 (0.828)	61	2503578			149.95- 249.95	199.95
11.618	11.618 (0.828)	98	794254			11.26- 111.26	63.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	2634548	50.0000	49.759	80.00- 120.00	100.00
11.978	11.978 (0.854)	43	1690452			13.33- 113.33	64.16
11.978	11.978 (0.854)	86	300857			0.00- 61.32	11.42
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	293765	50.0000	51.914	80.00- 120.00	100.00
12.448	12.448 (0.888)	43	4620819			1516.61-1616.61	1572.96
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	2906592	50.0000	52.361	80.00- 120.00	100.00
12.476	12.476 (0.890)	65	849870			0.00- 79.24	29.24
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	564064	50.0000	50.198	80.00- 120.00	100.00
13.526	13.526 (0.964)	43	3282739			531.98- 631.98	581.98
13.526	13.526 (0.964)	57	256585			0.00- 98.33	45.49
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	2129850	50.0000	52.851	80.00- 120.00	100.00
13.554	13.554 (0.966)	96	1143525			3.69- 103.69	53.69
13.554	13.554 (0.966)	98	732932			0.00- 84.41	34.41
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	1759475	50.0000	50.731	80.00- 120.00	100.00
13.996	13.996 (0.998)	71	511674			0.00- 79.08	29.08
13.996	13.996 (0.998)	72	550964			0.00- 81.04	31.31
82 Chloroform					CAS #: 67-66-3		
14.079	14.079 (1.004)	83	2500760	50.0000	51.935	80.00- 120.00	100.00
14.079	14.079 (1.004)	85	1627036			15.06- 115.06	65.06
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.439	14.439 (1.030)	97	2261829	50.0000	54.874	80.00- 120.00	100.00
14.439	14.439 (1.030)	99	1462904			14.68- 114.68	64.68
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	1394742	50.0000	51.129	80.00- 120.00	100.00
14.466	14.466 (1.032)	56	2293662			114.45- 214.45	164.45
14.466	14.466 (1.032)	41	1334499			45.68- 145.68	95.68
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	2072240	50.0000	57.878	80.00- 120.00	100.00
14.715	14.715 (1.049)	117	2178713			55.14- 155.14	105.14
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	6398069	50.0000	50.569	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.047	15.047 (1.073)	56	2119148			0.00- 82.94	33.12
15.047	15.047 (1.073)	41	1853033			0.00- 78.78	28.96
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	3095408	50.0000	48.738	80.00- 120.00	100.00
15.130	15.130 (0.958)	77	696624			0.00- 72.47	22.51
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.240	15.240 (0.965)	62	2023352	50.0000	56.336	80.00- 120.00	100.00
15.240	15.240 (0.965)	64	625856			0.00- 82.37	30.93
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	964811	50.0000	52.079	80.00- 120.00	100.00
15.351	15.351 (0.972)	43	2468709			207.18- 307.18	255.87
15.351	15.351 (0.972)	57	1304582			87.26- 187.26	135.22
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	1254140	50.0000	53.512	80.00- 120.00	100.00
16.264	16.264 (1.030)	130	1114204			38.84- 138.84	88.84
16.264	16.264 (1.030)	97	812724			14.80- 114.80	64.80
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	1317688	50.0000	50.505	80.00- 120.00	100.00
16.761	16.761 (1.061)	62	967502			23.42- 123.42	73.42
16.761	16.761 (1.061)	41	1016228			27.12- 127.12	77.12
106 1,4-Dioxane					CAS #: 123-91-1		
16.872	16.872 (1.068)	88	728189	50.0000	51.363	80.00- 120.00	100.00
16.872	16.872 (1.068)	58	674741			42.66- 142.66	92.66
16.872	16.872 (1.068)	57	245308			0.00- 83.16	33.69
107 Bromodichloromethane					CAS #: 75-27-4		
17.176	17.176 (1.088)	83	2358464	50.0000	55.356	80.00- 120.00	100.00
17.176	17.176 (1.088)	85	1514686			14.22- 114.22	64.22
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	1728130	50.0000	53.501	80.00- 120.00	100.00
17.978	17.978 (1.138)	77	535516			0.00- 80.99	30.99
17.978	17.978 (1.138)	39	1435317			33.06- 133.06	83.06
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	1246596	50.0000	52.675	80.00- 120.00	100.00
18.171	18.171 (1.151)	43	3392658			214.50- 314.50	272.15
18.171	18.171 (1.151)	85	390612			0.00- 81.42	31.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	3112554	50.0000	51.138	80.00- 120.00	100.00
18.531	18.531 (1.173)	92	1924222			11.82- 111.82	61.82
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	1851707	50.0000	51.978	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	583021			0.00- 81.49	31.49
18.973	18.973 (0.903)	39	1427585			27.10- 127.10	77.10
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1152371	50.0000	50.541	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	716712			12.19- 112.19	62.19
19.305	19.305 (0.918)	83	1056570			41.69- 141.69	91.69
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	1266228	50.0000	47.313	80.00- 120.00	100.00
19.498	19.498 (0.928)	129	1067296			34.29- 134.29	84.29
19.498	19.498 (0.928)	131	1014395			30.11- 130.11	80.11
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	1704725	50.0000	50.434	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	3404375			149.70- 249.70	199.70
19.637	19.637 (0.934)	100	214719			0.00- 62.47	12.60
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	1922882	50.0000	55.118	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	1498624			27.43- 127.43	77.94
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	1926701	50.0000	51.633	80.00- 120.00	100.00
20.273	20.273 (0.964)	109	1818267			44.37- 144.37	94.37
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	2356765	50.0000	49.047	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	761132			0.00- 82.30	32.30
21.075	21.075 (1.003)	77	1725794			23.23- 123.23	73.23
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	1277172	50.0000	49.213	80.00- 120.00	100.00
21.157	21.157 (1.007)	91	4082483			274.56- 374.56	319.65
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	1607785	50.0000	48.590	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	3244220			152.08- 252.08	201.78
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1349793	50.0000	47.649	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	2929863			167.06- 267.06	217.06
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	2295888	50.0000	44.654	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1326297			7.77- 107.77	57.77
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1405143	50.0000	54.707	80.00- 120.00	100.00
22.512	22.512 (1.071)	171	727143			1.75- 101.75	51.75
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	3615987	50.0000	41.897	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	876817			0.00- 75.41	24.25
22.651	22.651 (1.078)	51	601027			0.00- 66.31	16.62
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	2109405	50.0000	49.143	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1349231			13.96- 113.96	63.96
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	4307042	50.0000	47.963	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	883943			0.00- 70.26	20.52
23.342	23.342 (1.110)	105	157223			0.00- 53.59	3.65
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	3612538	50.0000	49.292	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	1007238			0.00- 77.88	27.88
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	2860756	50.0000	46.708	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1293903			0.00- 95.48	45.23
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2560415	50.0000	46.592	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1091960			0.00- 92.02	42.65
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	1516490	50.0000	46.931	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	960632			14.53- 114.53	63.35
24.807	24.807 (1.180)	111	678356			0.00- 93.95	44.73
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	1520923	50.0000	47.174	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	963737			12.92- 112.92	63.37
24.973	24.973 (1.188)	111	651641			0.00- 91.79	42.85

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	2467120	50.0000	53.931	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	459977			0.00- 68.68	18.64
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1326530	50.0000	47.148	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	842350			13.50- 113.50	63.50
25.609	25.609 (1.218)	111	614254			0.00- 96.31	46.31
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	665280	50.0000	56.740	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	631899			44.98- 144.98	94.98
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	528683	50.0000	51.957	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	329978			14.02- 114.02	62.42
29 Isopentane					CAS #: 78-78-4		
8.245	8.245 (0.588)	43	2086145	50.0000	53.604	80.00- 120.00	100.00
8.245	8.245 (0.588)	57	1444508			22.27- 122.27	69.24
19 Butane					CAS #: 106-97-8		
6.780	6.780 (0.483)	58	333009	50.0000	53.111	80.00- 120.00	100.00
6.780	6.780 (0.483)	43	2707322			714.53- 814.53	812.99
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	1559502	50.0000	50.184	80.00- 120.00	100.00
16.540	16.540 (1.179)	98	681578			0.00- 93.15	43.70
16.540	16.540 (1.179)	55	1889541			73.55- 173.55	121.16
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1450798	50.0000	59.027	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	178755			0.00- 63.00	12.32

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t032002.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 20-MAR-2007
Calibration Time: 08:35
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	286330	171798	400862	286330	0.00
97 1,4-Difluorobenze	1066447	639868	1493026	1066447	0.00
126 Chlorobenzene-d5	899436	539662	1259210	899436	0.00

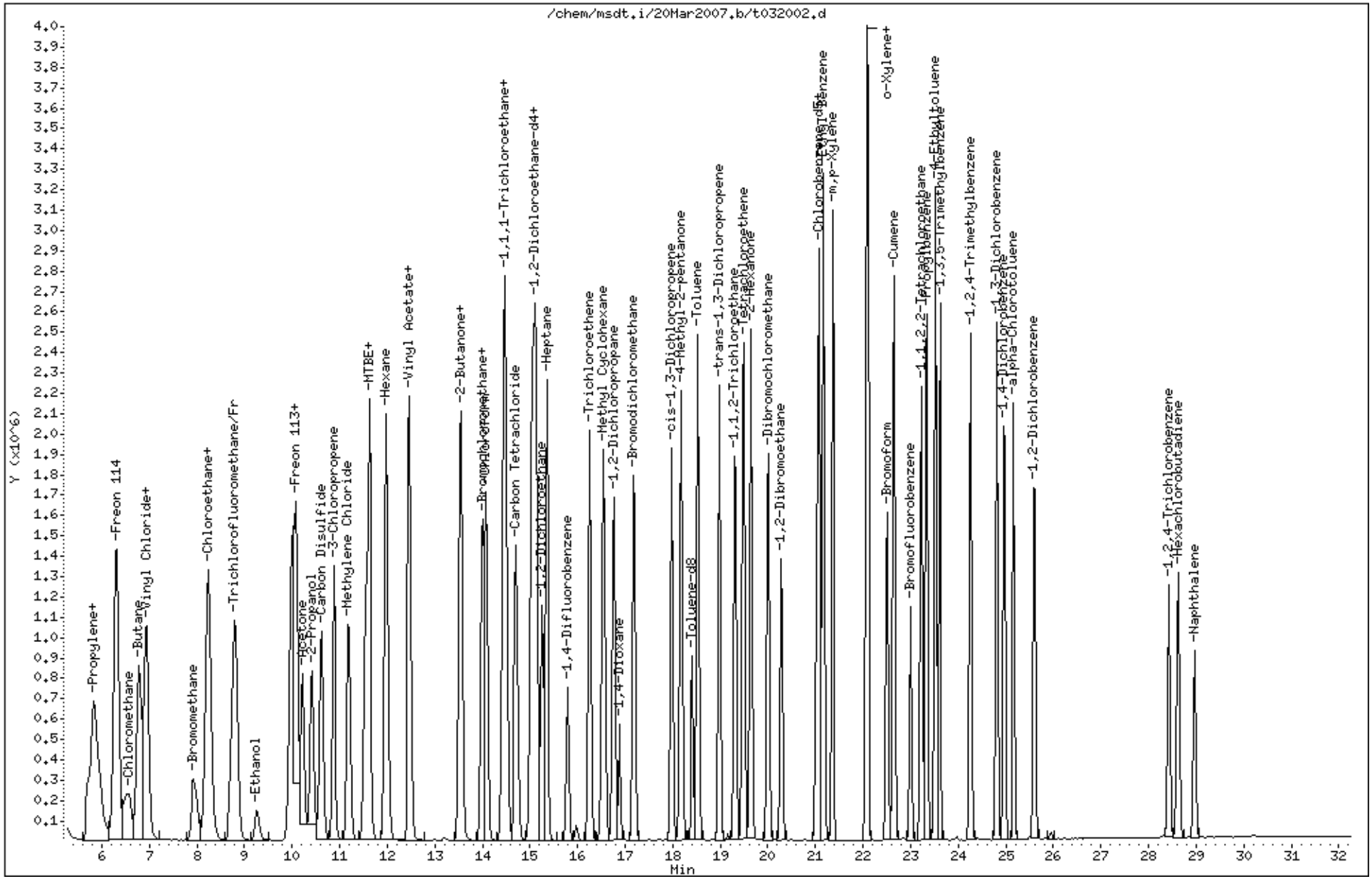
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Data File: /chem/msdt.i/20Mar2007.b/t032002.d
Date : 20-MAR-2007 08:35
Client ID: CCV-1
Sample Info: 50ml #1487-115

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703272-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 09:27 AM**	

Compound	%Recovery
Freon 12	91
Freon 114	80
Vinyl Chloride	83
Bromomethane	93
Chloroethane	82
Freon 11	102
1,1-Dichloroethene	108
Freon 113	104
Methylene Chloride	104
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	97
Chloroform	95
1,1,1-Trichloroethane	98
Carbon Tetrachloride	102
Benzene	90
1,2-Dichloroethane	104
Trichloroethene	97
1,2-Dichloropropane	93
cis-1,3-Dichloropropene	95
Toluene	98
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	92
Tetrachloroethene	88
1,2-Dibromoethane (EDB)	92
Chlorobenzene	90
Ethyl Benzene	89
m,p-Xylene	88
o-Xylene	89
Styrene	83
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	85
1,2,4-Trimethylbenzene	85
1,3-Dichlorobenzene	86
1,4-Dichlorobenzene	86
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	86
1,3-Butadiene	90
Hexane	93
Cyclohexane	92

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703272-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t032003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/20/07 09:27 AM**	

Compound	%Recovery
Heptane	97
Bromodichloromethane	102
Dibromochloromethane	100
Cumene	79
Propylbenzene	91
Chloromethane	88
1,2,4-Trichlorobenzene	106
Hexachlorobutadiene	100
Acetone	99
Carbon Disulfide	95
2-Propanol	102
trans-1,2-Dichloroethene	95
2-Butanone (Methyl Ethyl Ketone)	93
Tetrahydrofuran	93
1,4-Dioxane	93
4-Methyl-2-pentanone	99
2-Hexanone	96
Bromoform	104
4-Ethyltoluene	92
Ethanol	108
Methyl tert-butyl ether	97
3-Chloropropene	93
2,2,4-Trimethylpentane	92
Naphthalene	119

Container Type: NA - Not Applicable

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

Report Date: 20-Mar-2007 09:51

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 20Mar2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lmr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 100ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	45.336	90.67	70-130
16 Freon 114	50.000	40.270	80.54	70-130
18 Chloromethane	50.000	43.774	87.55	70-130
20 Vinyl Chloride	50.000	41.742	83.48	70-130
22 1,3-Butadiene	50.000	44.879	89.76	60-140
25 Bromomethane	50.000	46.606	93.21	70-130
27 Chloroethane	50.000	40.876	81.75	70-130
31 Trichlorofluoromet	50.000	50.887	101.77	70-130
38 Ethanol	50.000	53.795	107.59	60-140
42 Freon 113	50.000	51.790	103.58	70-130
43 1,1-Dichloroethene	50.000	54.279	108.56	70-130
45 Acetone	50.000	49.430	98.86	60-140
47 Carbon Disulfide	50.000	47.713	95.43	60-140
46 2-Propanol	50.000	51.127	102.25	60-140
54 Methylene Chloride	50.000	51.762	103.53	70-130
60 MTBE	50.000	48.692	97.38	60-140
61 trans-1,2-Dichloro	50.000	47.405	94.81	60-140
65 Hexane	50.000	46.395	92.79	60-140
70 1,1-Dichloroethane	50.000	48.948	97.90	70-130
76 cis-1,2-Dichloroet	50.000	48.554	97.11	70-130
75 2-Butanone	50.000	46.494	92.99	60-140
80 Tetrahydrofuran	50.000	46.485	92.97	60-140
82 Chloroform	50.000	47.362	94.72	70-130
85 Cyclohexane	50.000	45.758	91.52	60-140
83 1,1,1-Trichloroeth	50.000	49.201	98.40	70-130
87 Carbon Tetrachlori	50.000	50.977	101.95	70-130
91 Benzene	50.000	45.052	90.10	70-130
93 1,2-Dichloroethane	50.000	51.758	103.52	70-130
94 Heptane	50.000	48.620	97.24	60-140
101 Trichloroethene	50.000	48.552	97.10	70-130
104 1,2-Dichloropropan	50.000	46.496	92.99	70-130
106 1,4-Dioxane	50.000	46.300	92.60	60-140
107 Bromodichlorometha	50.000	50.785	101.57	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	47.372	94.74	70-130
111 4-Methyl-2-pentano	50.000	49.460	98.92	60-140
114 Toluene	50.000	49.049	98.10	70-130
116 trans-1,3-Dichloro	50.000	47.128	94.26	70-130
117 1,1,2-Trichloroeth	50.000	45.851	91.70	70-130
120 Tetrachloroethene	50.000	43.877	87.75	70-130
121 2-Hexanone	50.000	48.096	96.19	60-140
122 Dibromochlorometha	50.000	50.234	100.47	60-140
123 1,2-Dibromoethane	50.000	46.243	92.49	70-130
127 Chlorobenzene	50.000	45.258	90.52	70-130
128 Ethyl Benzene	50.000	44.344	88.69	70-130
129 m,p-Xylene	50.000	43.937	87.87	70-130
130 o-Xylene	50.000	44.314	88.63	70-130
131 Styrene	50.000	41.555	83.11	70-130
133 Bromoform	50.000	51.768	103.54	60-140
140 1,1,2,2-Tetrachlor	50.000	45.297	90.59	70-130
145 4-Ethyltoluene	50.000	45.839	91.68	60-140
147 1,3,5-Trimethylben	50.000	42.486	84.97	70-130
150 1,2,4-Trimethylben	50.000	42.346	84.69	70-130
155 1,3-Dichlorobenzen	50.000	43.130	86.26	70-130
156 1,4-Dichlorobenzen	50.000	43.135	86.27	70-130
159 alpha-Chlorotoluen	50.000	51.922	103.84	70-130
161 1,2-Dichlorobenzen	50.000	43.243	86.49	70-130
165 1,2,4-Trichloroben	50.000	53.269	106.54	70-130
166 Hexachlorobutadien	50.000	49.946	99.89	70-130
142 Propylbenzene	50.000	45.344	90.69	60-140
134 Cumene	50.000	39.651	79.30	60-140
51 3-Chloropropene	50.000	46.434	92.87	60-140
89 2,2,4-Trimethylpen	50.000	46.049	92.10	60-140
19 Butane	50.000	47.083	94.17	70-130
29 Isopentane	50.000	50.454	100.91	70-130
102 Methyl Cyclohexane	50.000	45.436	90.87	70-130
11 Propylene	50.000	46.248	92.50	60-140
167 Naphthalene	25.000	29.790	119.16	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.951	99.80	70-130
$ 113 Toluene-d8	25.000	25.015	100.06	70-130
$ 137 Bromofluorobenzene	25.000	25.497	101.99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/20Mar2007.b/t032003.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 20-MAR-2007 09:27
Operator : lmr Inst ID: msdt.i
Smp Info : 100ml #1408-386A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/20Mar2007.b/t14q306b.m
Meth Date : 20-Mar-2007 09:01 lrandolp Quant Type: ISTD
Cal Date : 15-MAR-2007 13:28 Cal File: t031504.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.024	14.024 (1.000)	130	295909	25.0000		80.00- 120.00	100.00
14.024	14.024 (1.000)	128	228354			28.72- 128.72	77.17
14.024	14.024 (1.000)	49	1054546			317.87- 417.87	356.38
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.793	15.793 (1.000)	114	1087524	25.0000		80.00- 120.00	100.00
15.793	15.793 (1.000)	88	199312			0.00- 68.45	18.33
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	916464	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	583563			15.81- 115.81	63.68
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.102	15.102 (1.077)	65	589527	24.9507	24.951	80.00- 120.00	100.00
15.102	15.102 (1.077)	67	321024			2.09- 102.09	54.45
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.166)	98	1109642	25.0149	25.015	80.00- 120.00	100.00
18.420	18.420 (1.166)	70	140756			0.00- 63.13	12.68

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.166)	100	804774			21.11- 121.11	72.53
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	427006	25.4970	25.497	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	699424			114.96- 214.96	163.80
23.010	23.010 (1.095)	176	414461			47.50- 147.50	97.06
11 Propylene					CAS #: 115-07-1		
5.757	5.729 (0.410)	41	954180	46.2481	46.248	80.00- 120.00	100.00
5.729	5.729 (0.409)	42	668973			22.02- 122.02	70.11
5.757	5.729 (0.410)	39	759775			26.75- 126.75	79.63
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.867	5.867 (0.418)	85	2621427	45.3357	45.336	80.00- 120.00	100.00
5.867	5.867 (0.418)	87	854939			0.00- 82.48	32.61
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.450)	135	1407455	40.2702	40.270	80.00- 120.00	100.00
6.310	6.310 (0.450)	137	441682			0.00- 81.86	31.38
18 Chloromethane					CAS #: 74-87-3		
6.586	6.531 (0.470)	50	1032710	43.7742	43.774	80.00- 120.00	100.00
6.586	6.531 (0.470)	52	339100			0.00- 84.39	32.84
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.489)	62	1152502	41.7417	41.742	80.00- 120.00	100.00
6.863	6.863 (0.489)	64	357808			0.00- 81.04	31.05
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.495)	54	1342200	44.8790	44.879	80.00- 120.00	100.00
6.946	6.946 (0.495)	39	1288352			49.39- 149.39	95.99
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.566)	94	942464	46.6064	46.606	80.00- 120.00	100.00
7.941	7.941 (0.566)	96	879937			43.63- 143.63	93.37
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.588)	64	580579	40.8762	40.876	80.00- 120.00	100.00
8.245	8.245 (0.588)	49	207453			0.00- 80.33	35.73
8.245	8.245 (0.588)	66	180331			0.00- 80.46	31.06
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.826	8.798 (0.629)	101	3497467	50.8873	50.887	80.00- 120.00	100.00
8.826	8.798 (0.629)	103	2250083			14.39- 114.39	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.296	9.241 (0.663)	45	612052	53.7954	53.795	80.00- 120.00	100.00
9.296	9.268 (0.663)	43	134600			0.00- 72.89	21.99
9.296	9.241 (0.663)	46	229786			0.00- 87.99	37.54
42 Freon 113					CAS #: 76-13-1		
9.987	9.987 (0.712)	151	1571381	51.7901	51.790	80.00- 120.00	100.00
9.987	9.987 (0.712)	153	998231			12.93- 112.93	63.53
9.987	9.987 (0.712)	101	2389306			104.95- 204.95	152.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.098	10.070 (0.720)	61	2754797	54.2790	54.279	80.00- 120.00	100.00
10.098	10.070 (0.720)	96	1174343			0.00- 92.33	42.63
10.098	10.070 (0.720)	98	752865			0.00- 76.91	27.33
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.730)	58	798705	49.4297	49.430	80.00- 120.00	100.00
10.236	10.236 (0.730)	43	2887117			279.16- 379.16	361.47
46 2-Propanol					CAS #: 67-63-0		
10.430	10.429 (0.744)	45	3073015	51.1272	51.127	80.00- 120.00	100.00
10.430	10.429 (0.744)	43	698008			0.00- 73.03	22.71
10.430	10.429 (0.744)	59	110466			0.00- 53.87	3.59
47 Carbon Disulfide					CAS #: 75-15-0		
10.623	10.623 (0.757)	76	3608483	47.7134	47.713	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.872	10.872 (0.775)	76	562573	46.4336	46.434	80.00- 120.00	100.00
10.872	10.872 (0.775)	41	2166739			323.54- 423.54	385.15
54 Methylene Chloride					CAS #: 75-09-2		
11.204	11.176 (0.799)	49	2022430	51.7626	51.762	80.00- 120.00	100.00
11.204	11.204 (0.799)	84	1013276			0.69- 100.69	50.10
11.204	11.176 (0.799)	51	615193			0.00- 81.31	30.42
60 MTBE					CAS #: 1634-04-4		
11.563	11.535 (0.825)	73	3296396	48.6920	48.692	80.00- 120.00	100.00
11.563	11.535 (0.825)	57	1010400			0.00- 80.37	30.65
11.563	11.563 (0.825)	41	1010267			0.00- 80.57	30.65
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.646	11.618 (0.830)	96	1191704	47.4053	47.405	80.00- 120.00	100.00
11.618	11.618 (0.828)	61	2376474			149.95- 249.95	199.42
11.646	11.618 (0.830)	98	753433			11.26- 111.26	63.22

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.978	11.978 (0.854)	57	2538641	46.3951	46.395	80.00- 120.00	100.00
11.978	11.978 (0.854)	43	1595036			13.33- 113.33	62.83
11.978	11.978 (0.854)	86	290018			0.00- 61.32	11.42
69 Vinyl Acetate					CAS #: 108-05-4		
12.448	12.448 (0.888)	86	283849	48.5383	48.538	80.00- 120.00	100.00
12.448	12.448 (0.888)	43	4490076			1516.61-1616.61	1581.85
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.476	12.476 (0.890)	63	2808021	48.9481	48.948	80.00- 120.00	100.00
12.476	12.476 (0.890)	65	824312			0.00- 79.24	29.36
75 2-Butanone					CAS #: 78-93-3		
13.526	13.526 (0.964)	72	539928	46.4944	46.494	80.00- 120.00	100.00
13.526	13.526 (0.964)	43	3207043			531.98- 631.98	593.98
13.526	13.526 (0.964)	57	255947			0.00- 98.33	47.40
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.554	13.554 (0.966)	61	2022139	48.5541	48.554	80.00- 120.00	100.00
13.554	13.554 (0.966)	96	1088844			3.69- 103.69	53.85
13.554	13.554 (0.966)	98	693462			0.00- 84.41	34.29
80 Tetrahydrofuran					CAS #: 109-99-9		
13.996	13.996 (0.998)	42	1666153	46.4853	46.485	80.00- 120.00	100.00
13.996	13.996 (0.998)	71	481048			0.00- 79.08	28.87
14.024	13.996 (1.000)	72	514183			0.00- 81.04	30.86
82 Chloroform					CAS #: 67-66-3		
14.107	14.079 (1.006)	83	2356836	47.3616	47.362	80.00- 120.00	100.00
14.107	14.079 (1.006)	85	1519265			15.06- 115.06	64.46
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.439 (1.032)	97	2095848	49.2011	49.201	80.00- 120.00	100.00
14.466	14.439 (1.032)	99	1354872			14.68- 114.68	64.65
85 Cyclohexane					CAS #: 110-82-7		
14.466	14.466 (1.032)	84	1290000	45.7584	45.758	80.00- 120.00	100.00
14.466	14.466 (1.032)	56	2151742			114.45- 214.45	166.80
14.466	14.466 (1.032)	41	1241475			45.68- 145.68	96.24
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.715	14.715 (1.049)	119	1886220	50.9774	50.977	80.00- 120.00	100.00
14.715	14.715 (1.049)	117	1977029			55.14- 155.14	104.81
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.047	15.047 (1.073)	57	6021159	46.0494	46.049	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.047	15.047 (1.073)	56	1976289			0.00- 82.94	32.82
15.047	15.047 (1.073)	41	1721135			0.00- 78.78	28.58
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.958)	78	2917834	45.0516	45.052	80.00- 120.00	100.00
15.130	15.130 (0.958)	77	642477			0.00- 72.47	22.02
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.241	15.240 (0.965)	62	1895655	51.7580	51.758	80.00- 120.00	100.00
15.241	15.240 (0.965)	64	581341			0.00- 82.37	30.67
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.972)	71	918529	48.6200	48.620	80.00- 120.00	100.00
15.351	15.351 (0.972)	43	2340538			207.18- 307.18	254.81
15.351	15.351 (0.972)	57	1232881			87.26- 187.26	134.22
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.030)	95	1160389	48.5524	48.552	80.00- 120.00	100.00
16.264	16.264 (1.030)	130	1035715			38.84- 138.84	89.26
16.264	16.264 (1.030)	97	751790			14.80- 114.80	64.79
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.061)	63	1237064	46.4956	46.496	80.00- 120.00	100.00
16.761	16.761 (1.061)	62	890091			23.42- 123.42	71.95
16.761	16.761 (1.061)	41	936845			27.12- 127.12	75.73
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.872 (1.070)	88	669384	46.2999	46.300	80.00- 120.00	100.00
16.872	16.872 (1.068)	58	628343			42.66- 142.66	93.87
16.872	16.872 (1.068)	57	223279			0.00- 83.16	33.36
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.176 (1.089)	83	2206471	50.7853	50.785	80.00- 120.00	100.00
17.204	17.176 (1.089)	85	1403674			14.22- 114.22	63.62
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.138)	75	1560427	47.3725	47.372	80.00- 120.00	100.00
17.978	17.978 (1.138)	77	492217			0.00- 80.99	31.54
17.978	17.978 (1.138)	39	1301940			33.06- 133.06	83.43
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.151)	58	1193648	49.4606	49.460	80.00- 120.00	100.00
18.171	18.171 (1.151)	43	3227187			214.50- 314.50	270.36
18.171	18.171 (1.151)	85	367591			0.00- 81.42	30.80

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.173)	91	3044399	49.0490	49.049	80.00- 120.00	100.00
18.531	18.531 (1.173)	92	1879774			11.82- 111.82	61.75
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	1710712	47.1278	47.128	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	533950			0.00- 81.49	31.21
18.973	18.973 (0.903)	39	1317582			27.10- 127.10	77.02
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1065233	45.8510	45.851	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	666994			12.19- 112.19	62.61
19.305	19.305 (0.918)	83	982539			41.69- 141.69	92.24
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.498 (0.928)	166	1196510	43.8773	43.877	80.00- 120.00	100.00
19.499	19.498 (0.928)	129	997744			34.29- 134.29	83.39
19.499	19.498 (0.928)	131	949151			30.11- 130.11	79.33
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	1656470	48.0964	48.096	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	3280003			149.70- 249.70	198.01
19.637	19.637 (0.934)	100	206615			0.00- 62.47	12.47
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	1785671	50.2344	50.234	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	1394978			27.43- 127.43	78.12
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	1758262	46.2433	46.243	80.00- 120.00	100.00
20.273	20.273 (0.964)	109	1652377			44.37- 144.37	93.98
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	2215889	45.2583	45.258	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	707596			0.00- 82.30	31.93
21.075	21.075 (1.003)	77	1602847			23.23- 123.23	72.33
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	1172602	44.3446	44.344	80.00- 120.00	100.00
21.157	21.157 (1.007)	91	3768448			274.56- 374.56	321.37
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	1481336	43.9370	43.937	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	2987605			152.08- 252.08	201.68
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1279108	44.3144	44.314	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	2767585			167.06- 267.06	216.37
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	2177011	41.5549	41.555	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1245854			7.77- 107.77	57.23
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1354838	51.7684	51.768	80.00- 120.00	100.00
22.512	22.512 (1.071)	171	707666			1.75- 101.75	52.23
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	3486913	39.6507	39.651	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	865483			0.00- 75.41	24.82
22.651	22.651 (1.078)	51	582536			0.00- 66.31	16.71
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	1981137	45.2972	45.297	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1277052			13.96- 113.96	64.46
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	4148963	45.3445	45.344	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	852488			0.00- 70.26	20.55
23.342	23.342 (1.110)	105	151753			0.00- 53.59	3.66
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	3423057	45.8390	45.839	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	955542			0.00- 77.88	27.91
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	2651455	42.4864	42.486	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1190086			0.00- 95.48	44.88
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2371145	42.3461	42.346	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1018853			0.00- 92.02	42.97
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	1420070	43.1305	43.130	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	908577			14.53- 114.53	63.98
24.807	24.807 (1.180)	111	636976			0.00- 93.95	44.86
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	1417029	43.1349	43.135	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	901142			12.92- 112.92	63.59
24.973	24.973 (1.188)	111	611153			0.00- 91.79	43.13

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	2420174	51.9219	51.922	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	451621			0.00- 68.68	18.66
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1239704	43.2430	43.243	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	783741			13.50- 113.50	63.22
25.609	25.609 (1.218)	111	576328			0.00- 96.31	46.49
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	636407	53.2692	53.269	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	606167			44.98- 144.98	95.25
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	517847	49.9465	49.946	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	324318			14.02- 114.02	62.63
29 Isopentane					CAS #: 78-78-4		
8.245	8.245 (0.588)	43	2029248	50.4539	50.454	80.00- 120.00	100.00
8.245	8.245 (0.588)	57	1390434			22.27- 122.27	68.52
19 Butane					CAS #: 106-97-8		
6.807	6.780 (0.485)	58	305093	47.0834	47.083	80.00- 120.00	100.00
6.807	6.780 (0.485)	43	2435607			714.53- 814.53	798.32
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.179)	83	1459213	45.4365	45.436	80.00- 120.00	100.00
16.540	16.540 (1.179)	98	633260			0.00- 93.15	43.40
16.540	16.540 (1.179)	55	1762996			73.55- 173.55	120.82
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	746060	29.7901	29.790	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	96543			0.00- 63.00	12.94

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t032003.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lmr
Method File: /chem/msdt.i/20Mar2007.b/t14q306b.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 20-MAR-2007
Calibration Time: 08:35
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	286330	171798	400862	295909	3.35
97 1,4-Difluorobenze	1066447	639868	1493026	1087524	1.98
126 Chlorobenzene-d5	899436	539662	1259210	916464	1.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	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.

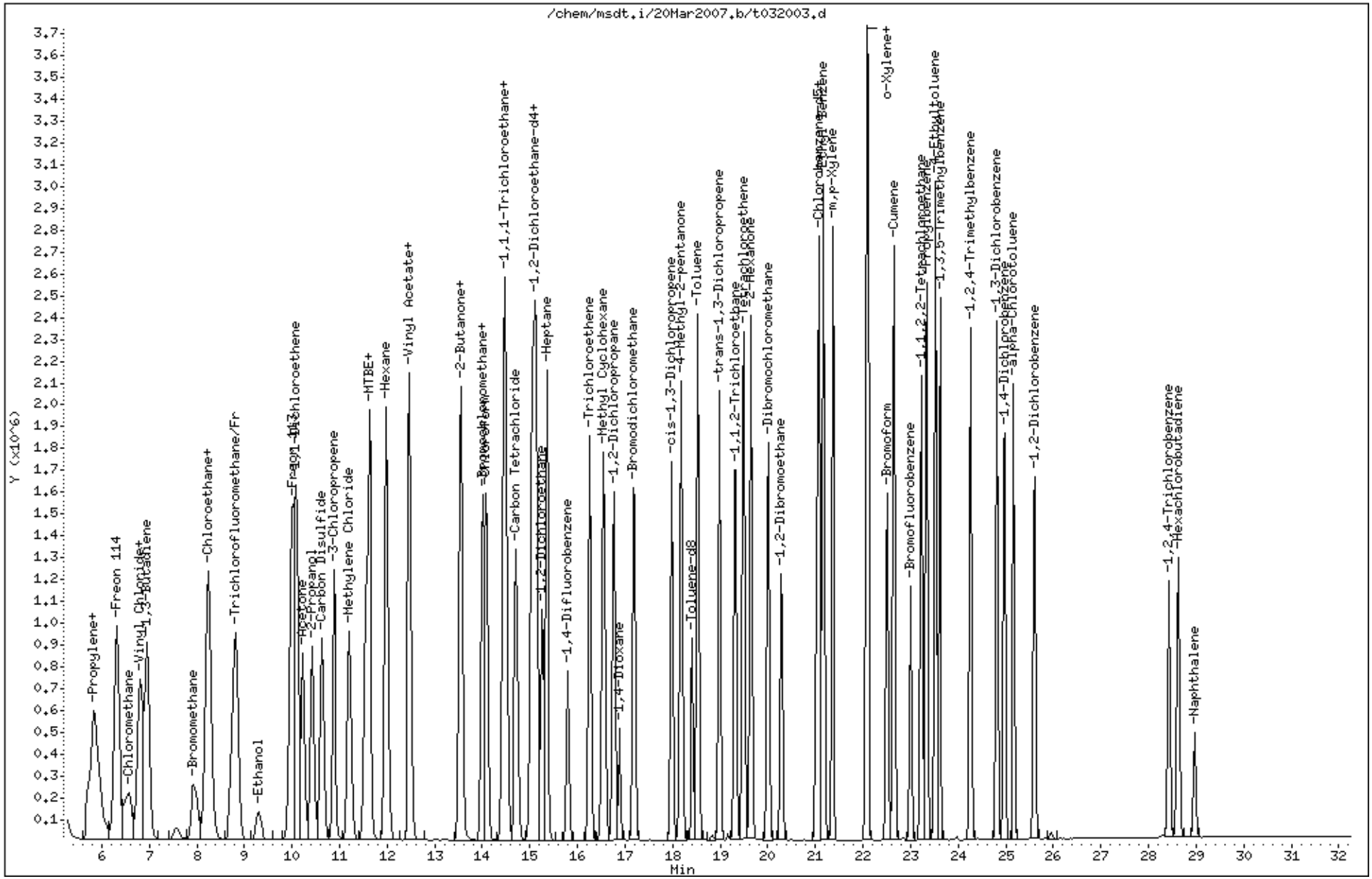
0183

Data File: /chem/msdt.i/20Mar2007.b/t032003.d
Date : 20-MAR-2007 09:27
Client ID: LCS-1
Sample Info: 100ml #1408-386A

Instrument: msdt.i

Operator: lmr
Column diameter: 0.53

Column phase: RTx-624



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MSD-T

Logbook #: 1533

0184

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	30.19
75	30.0 – 60.0% of mass 95	52.26
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.67
173	Less than 2.0% of mass 174	(0.81)[1]
174	Greater than 50.0% of mass 95	57.57
175	5.0 – 9.0% of mass 174	(7.15)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.82)[1] ✓
177	5.0 – 9.0% of mass 176	(6.37)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 3/20/07

BFB Injection Time: 0807

BFB File ID: T032001

Tekmar Purge Flow: 21.3 ml/min

Vacuum: 3.07 x10^{-5}

IS/S Std.#: 1487-110	Exp. Date: 5/20/07
BCM 2866330	
1,4-DFB 10606447	
CB-d5 8994436	

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

Verify 176/174 m/z Ratio: 366720/378752 x100 = 96.82

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(587242)}{(286330)} \times \frac{(25)}{(1.99620)} = 25.685$

Reported Result 25.685

File ID: T032002	
Compound: 1,2-DCA-d4	
Initials: LR	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T032001	BFB Tune Check	843-2915	50ng	2µl	1.00	LR	3/20/07	0807	LR/CT	
2	✓	02	CCV-1 1487-115	200ppbv→50ppbv		50ml				0835	LR/CT	
3	✓	03	LCS-1 1408-386A	100ppbv→		100ml				0927	LR/CT	
4	✓	04	lab blank	3427	humid	200ml				1041	LR/CT	
5	✓	05	0703344-10A	11427	2.0"Hg→15psi		2.16			1136	LR/CT	
6	✓	06	-11A	2125	6.5		2.58			1227	LR/CT	
7	✓	07	12A	1733	5.0"Hg	40ml	12.1			1332	LR/CT	
8	✓	08	13A	2122	0.0	200ml	2.02			1429	LR/CT	
9	✓	09	MA	1734	30	30ml	14.9			1510	LR/CT	RR@200ml

Signature

3/20/07 Date

10	✓	T032010	0703344-14A	1734	3.0"Hg→15psi	200ml	2.24	LR	3/20/07	1605	RM/C.T.	Surr ↑ matrix	
11	✓	11	↓ 15A	35611	1.0"Hg→15psi	200mL	2.09	RM	↓	1650	RM/C.T.		
12	✓	12	16A	34084	7.0"Hg→15psi	200mL	2.64	RM		1743	RM/C.T.		
13	✓	13	17A	31777	0.0"Hg→15psi	200mL	2.02	RM		1823	RM/C.T.		
14	✓	14	18A	35616	1.5"Hg→15psi	200mL	2.13	RM		1902	RM/C.T.		
15	✓	15	↓ 19A	35683	0.5"Hg→15psi	200mL	2.05	RM		2001	RM/C.T.		
16	✓	16	0703221A-04A	12669	5.5"Hg→5psi	200mL	1.64	RM		2039	RM/C.T.		
17	✓	17	↓ 05A	12080	6.0"Hg→5psi	50mL	6.72	RM		2140	RM/C.T.		
18	✓	18	06A	34499	4.0"Hg→5psi	35mL	8.86	RM		2218	RM/C.T.		
19	X	19	↓ 07A	34321	0.0"Hg→5psi	50mL	10.70	[illegible]	↓	2337	[illegible]/C.T.	200X	RR @ 150mL
20	✓	20	0703229-01A	94945	2.0"Hg→5psi	200mL	1.44	[illegible]	3/21/07	0022	[illegible]/C.T.		
21	✓	21	↓ -02A	4290	0.0"Hg→5psi	200mL	1.34	[illegible]		0100	[illegible]/C.T.		
22	✓	22	0703221A-07A	34321	0.0"Hg→5psi	150mL	3.57	[illegible]		0154	[illegible]/C.T.	200X	
23	✓	23	0703268-01A	12686	4.5"Hg→5psi	200mL	1.58	[illegible]		0257	[illegible]/C.T.		
24	✓	24	↓ -02A	12942	↓	200mL	1.58	[illegible]		0342	[illegible]/C.T.		
25	✓	25	0703272-01A	35996	4.0"Hg→5psi	200mL	1.55	[illegible]		0445	[illegible]/C.T.		
26	✓	↓ 26	↓ -02A	34348	3.5"Hg→5psi	200mL	1.52	[illegible]	↓	0525	C.T.		
27													
28													
29													
30													
31													
32													

Comments:

3-21-07 C.T.

C Taylor

Signature

3-21-07

Date

Air Toxics Ltd.

Data file : /chem/msdt.i/06Mar2007.b/t030601.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 06-MAR-2007 15:32
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL #843-2910;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/06Mar2007.b/bfb.m
Meth Date : 17-Aug-2006 09:13 ctaylor Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.303	8.228	0.075	95	703552			100.00- 100.00	100.00
8.303	8.228	0.075	50	200241			15.00- 40.00	28.46
8.303	8.228	0.075	75	351573			30.00- 60.00	49.97
8.303	8.228	0.075	96	46835			5.00- 9.00	6.66
8.303	8.228	0.075	173	4055			0.00- 2.00	0.97
8.303	8.228	0.075	174	419664			50.00- 100.00	59.65
8.303	8.228	0.075	175	29643			5.00- 9.00	7.06
8.303	8.228	0.075	176	403637			95.00- 101.00	96.18
8.303	8.228	0.075	177	26487			5.00- 9.00	6.56

Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Sample Info: 2uL #843-2910

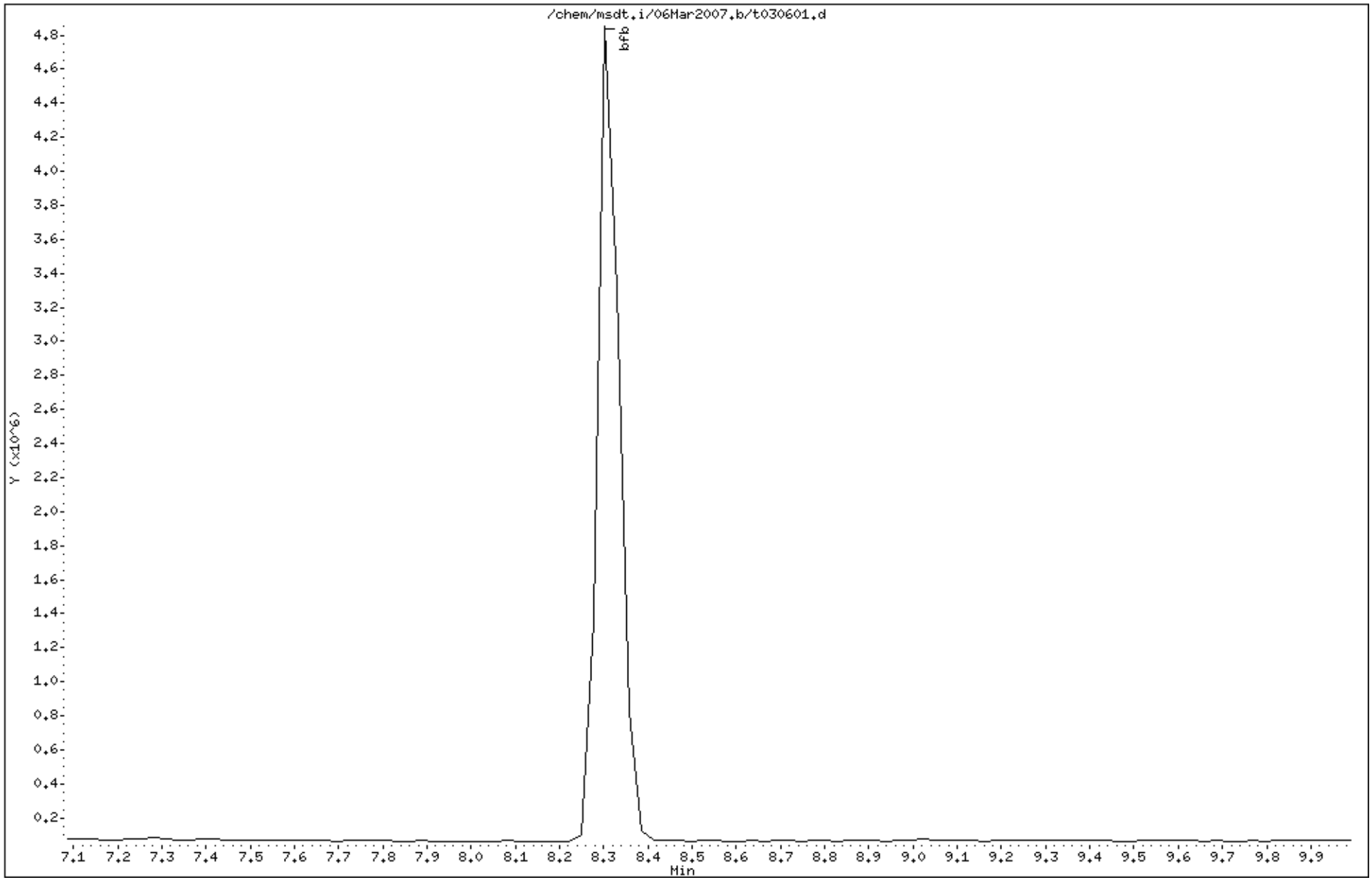
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0187



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

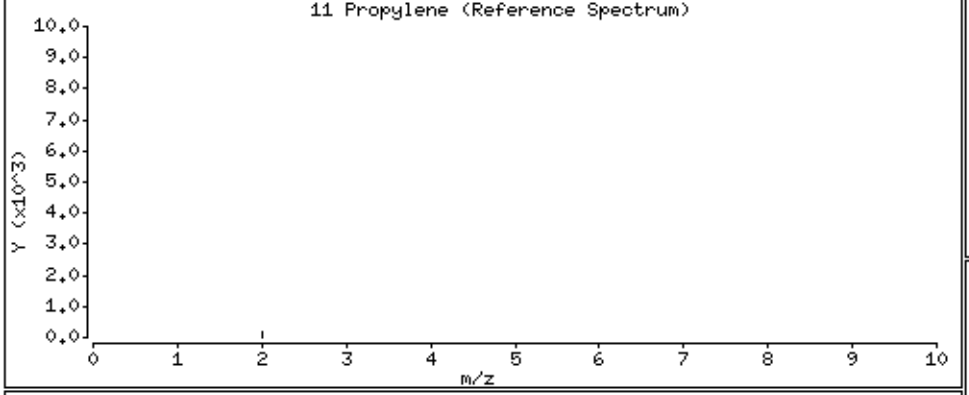
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

11 Propylene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

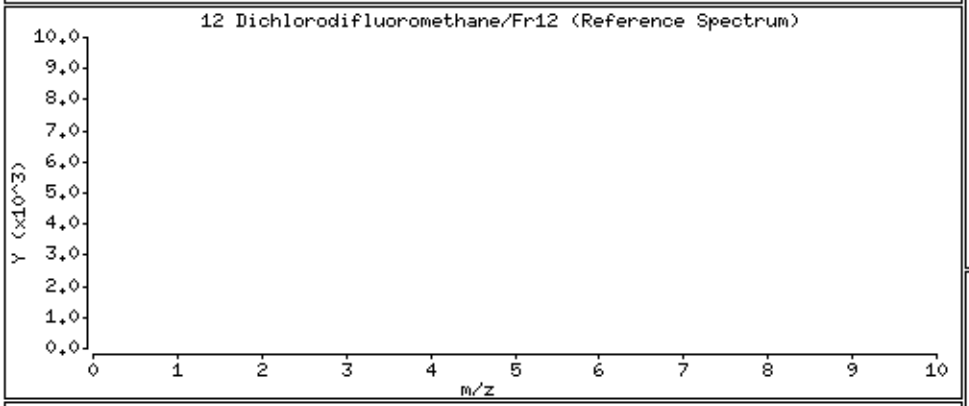
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

12 Dichlorodifluoromethane/Fr12



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

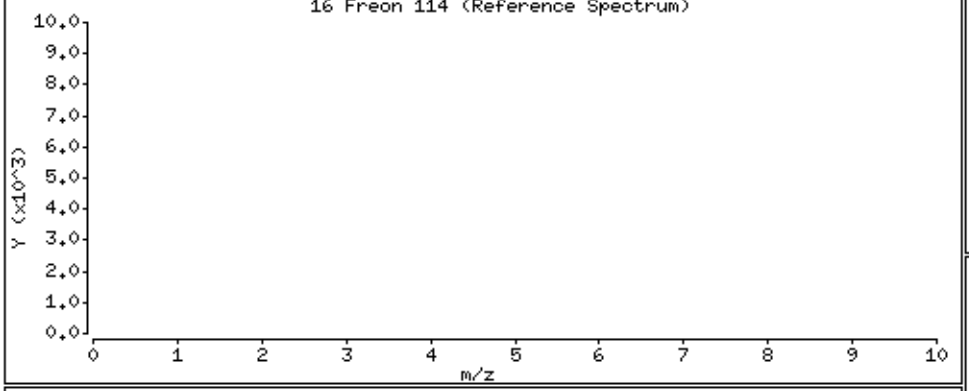
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

16 Freon 114



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

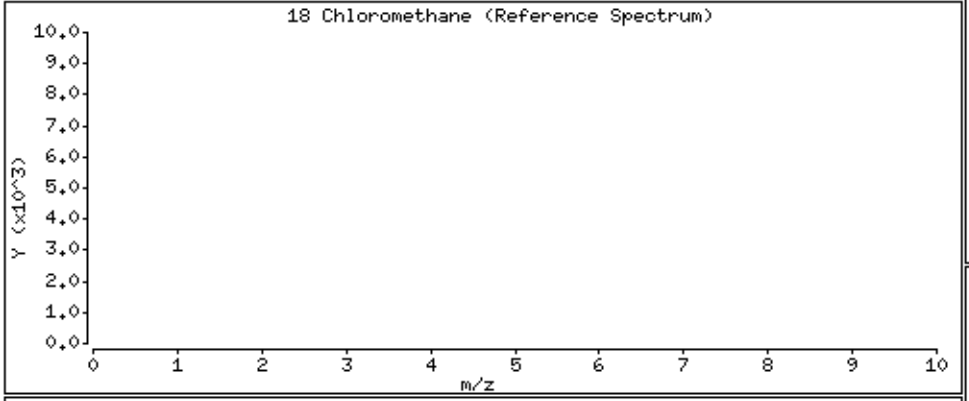
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

18 Chloromethane



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

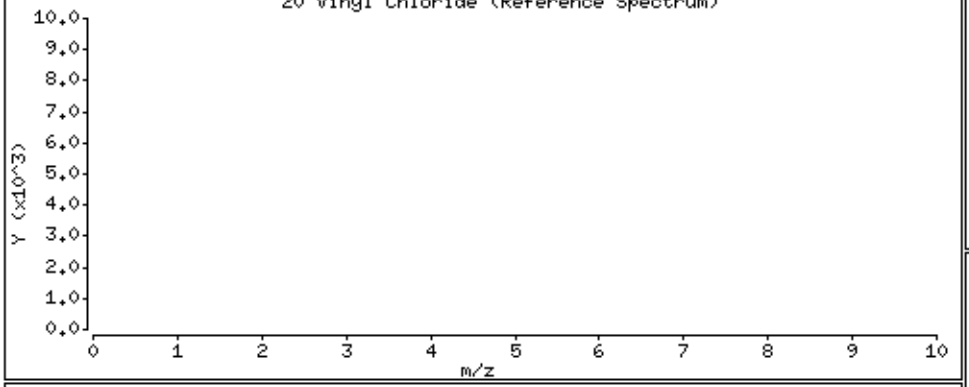
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

20 Vinyl Chloride



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

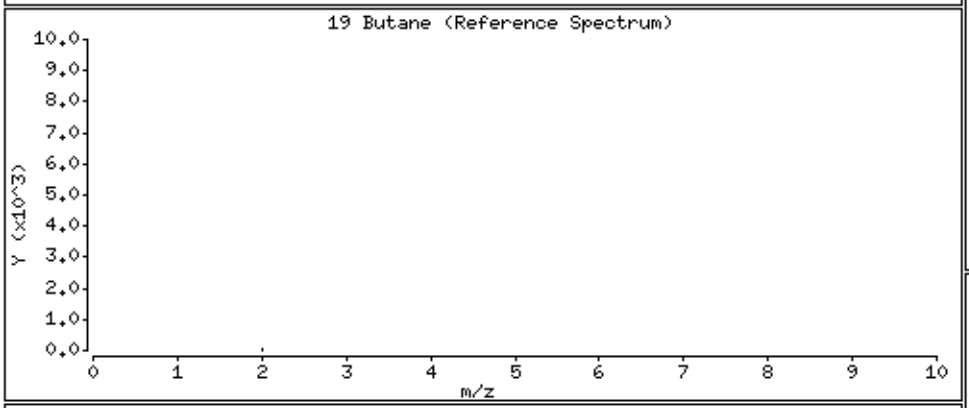
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

19 Butane



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

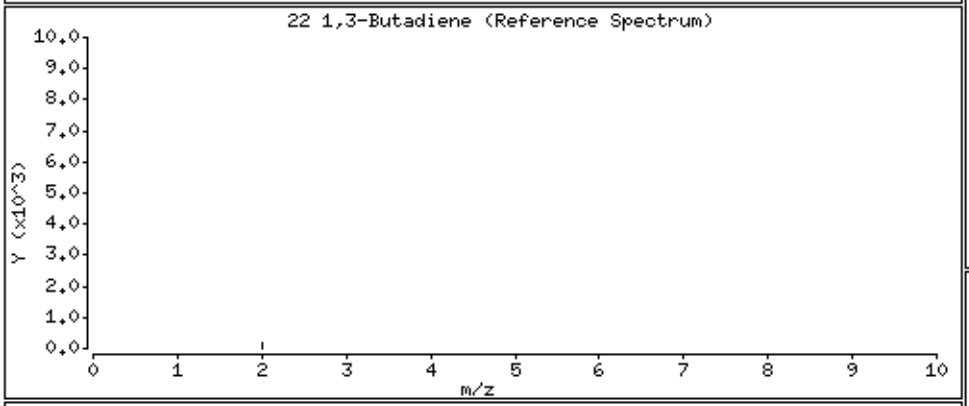
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

22 1,3-Butadiene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

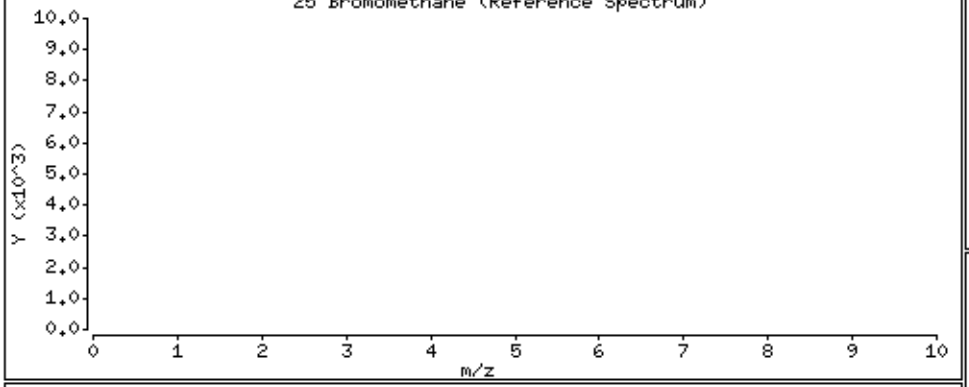
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

25 Bromomethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

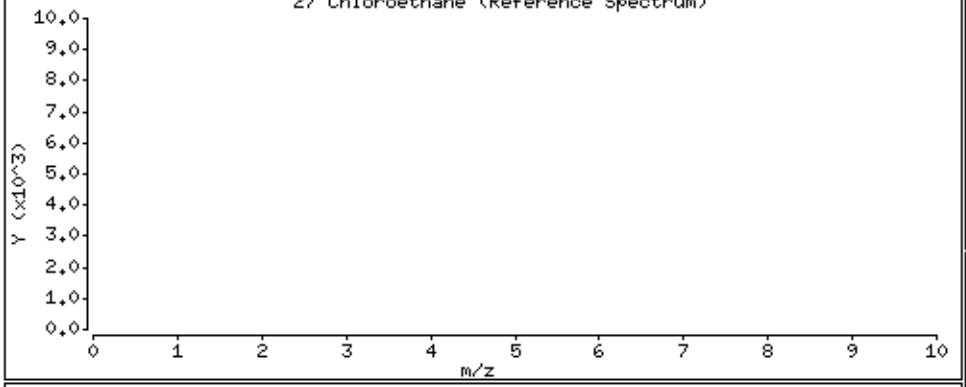
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

27 Chloroethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

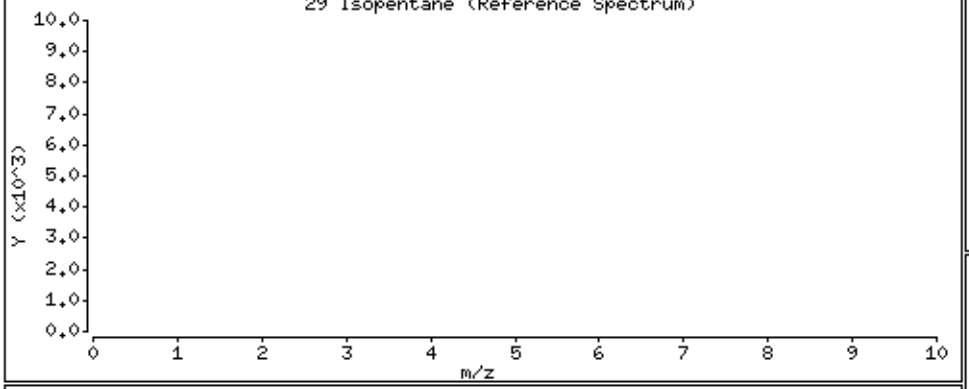
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

29 Isopentane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

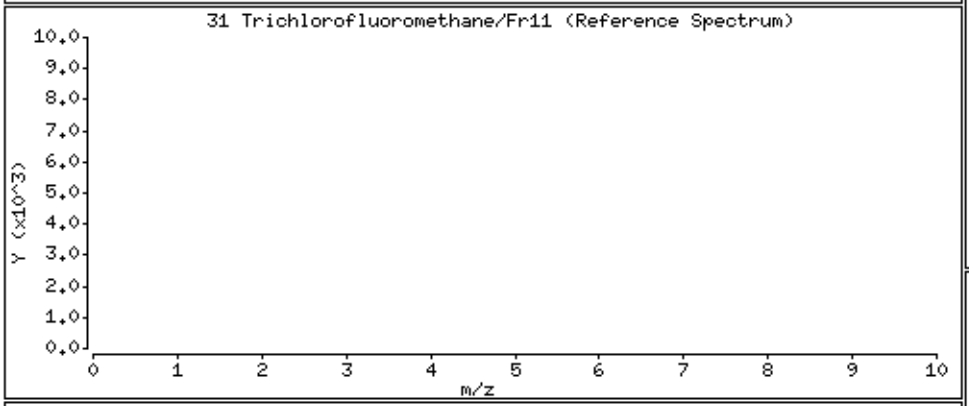
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

31 Trichlorofluoromethane/Fr11



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

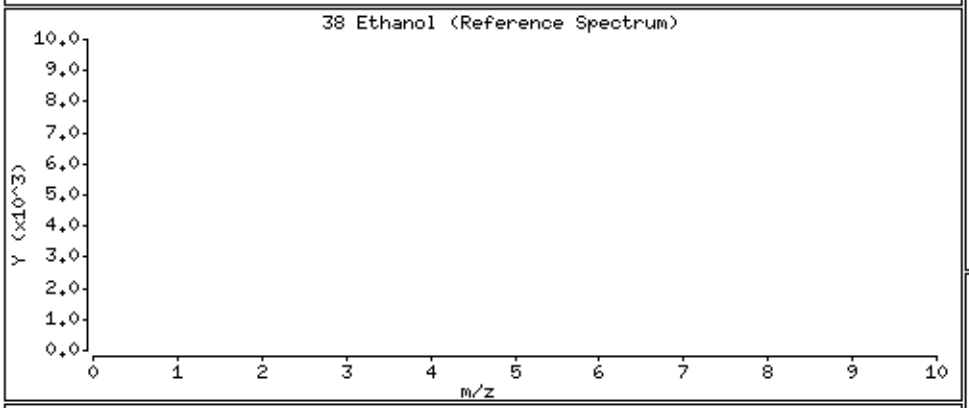
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

38 Ethanol



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

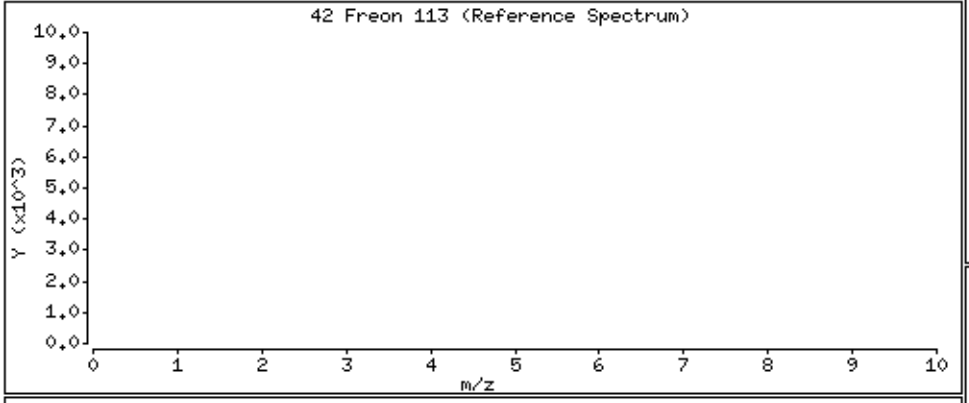
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

42 Freon 113



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

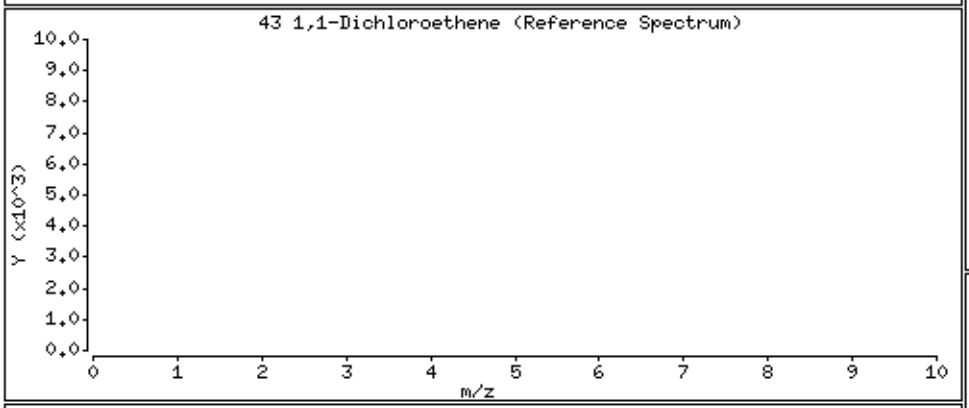
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

43 1,1-Dichloroethene



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Client ID: BFB Tune check

Instrument: msdt.i

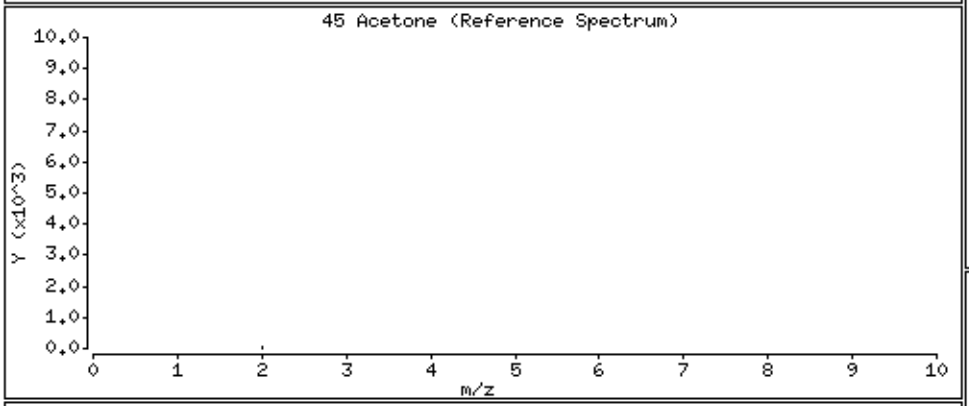
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

45 Acetone



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Client ID: BFB Tune check

Instrument: msdt.i

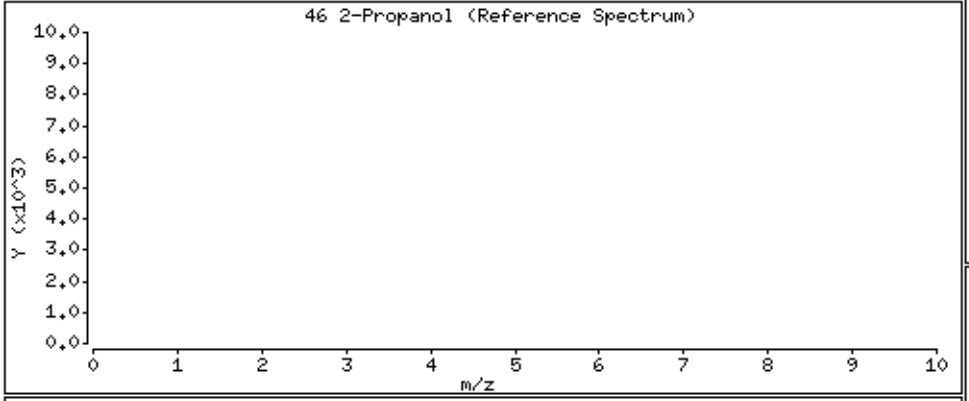
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

46 2-Propanol



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Client ID: BFB Tune check

Instrument: msdt.i

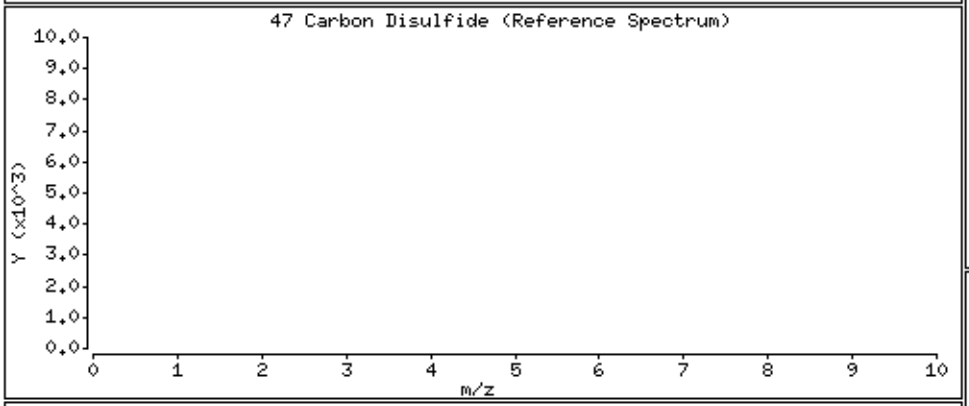
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

47 Carbon Disulfide



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

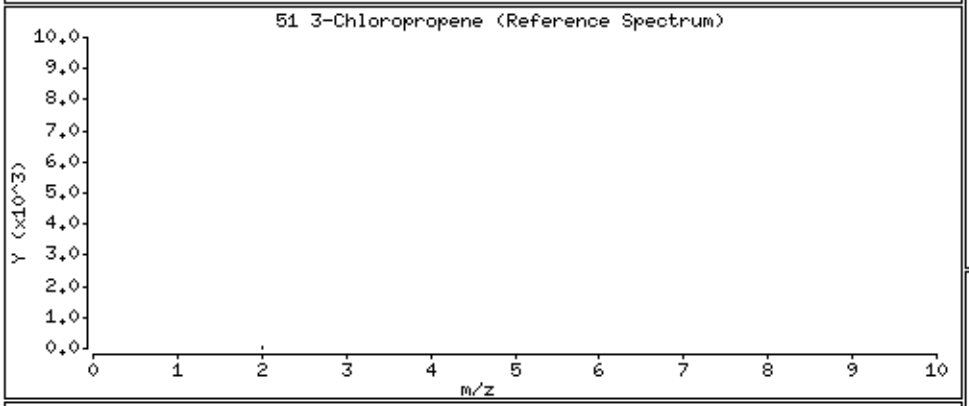
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

51 3-Chloropropene



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Client ID: BFB Tune check

Instrument: msdt.i

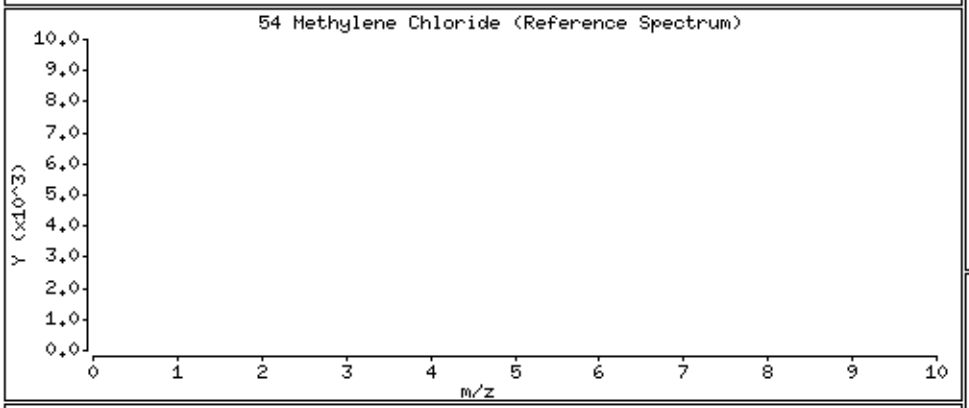
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

54 Methylene Chloride



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

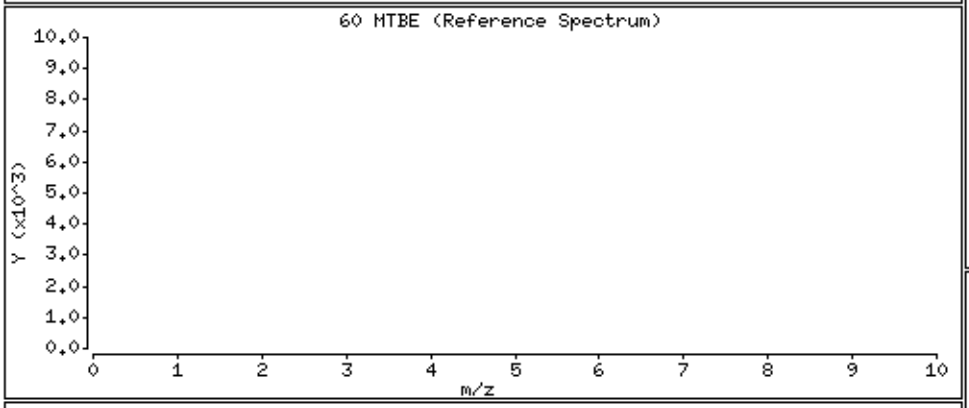
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

60 MTBE



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

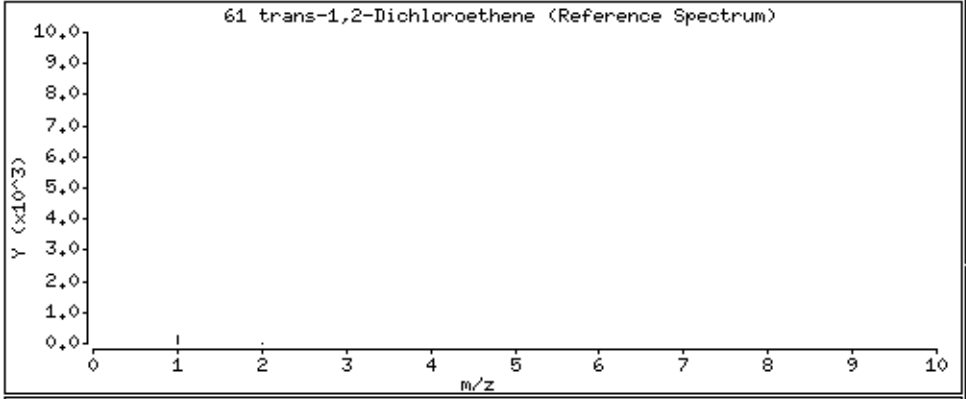
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

61 trans-1,2-Dichloroethene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

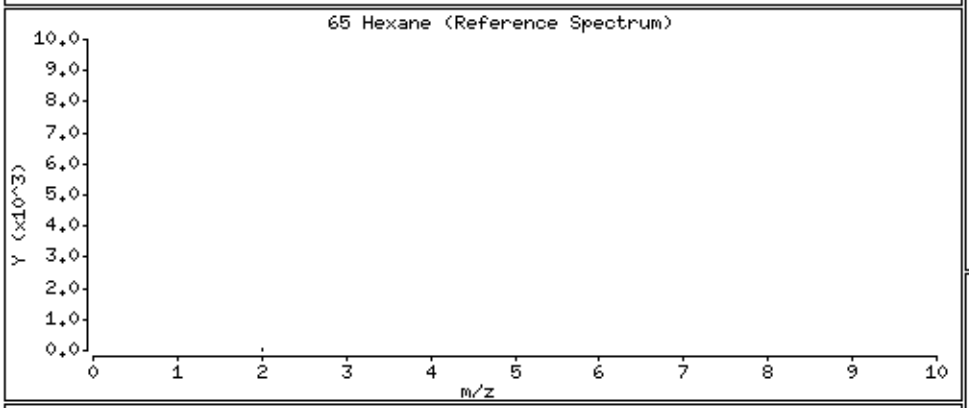
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

65 Hexane



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

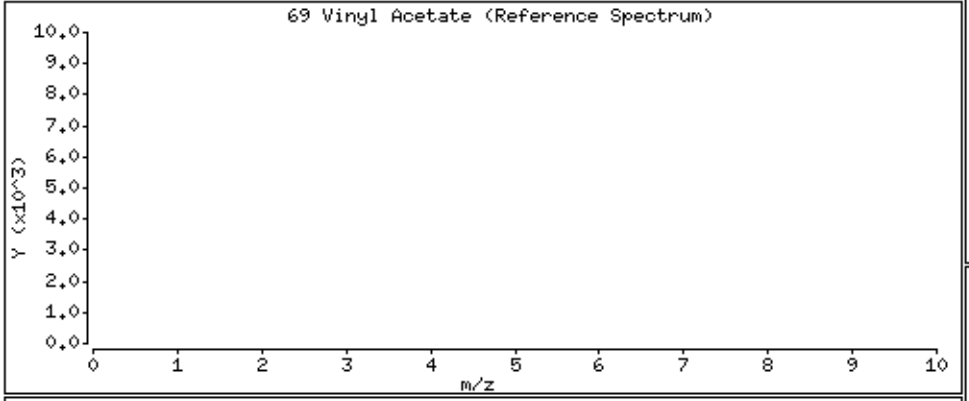
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

69 Vinyl Acetate



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

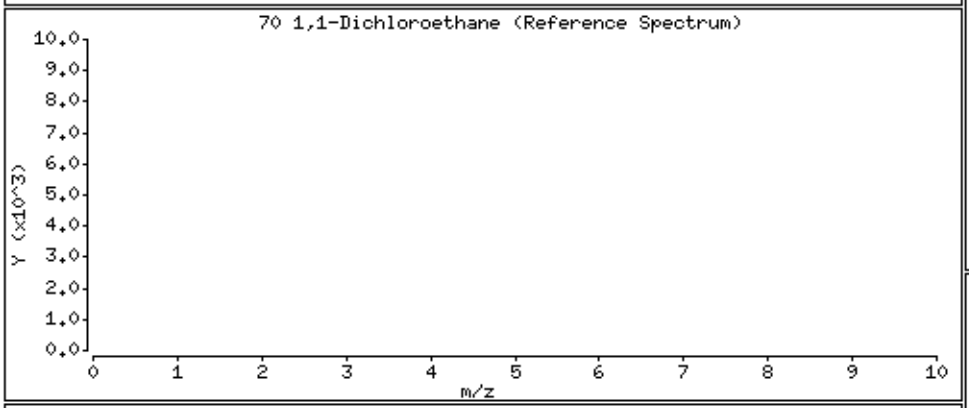
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

70 1,1-Dichloroethane



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

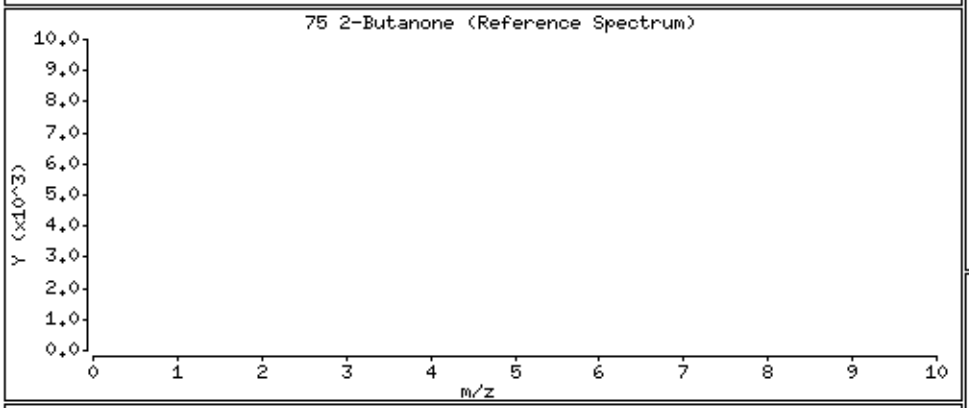
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

75 2-Butanone



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

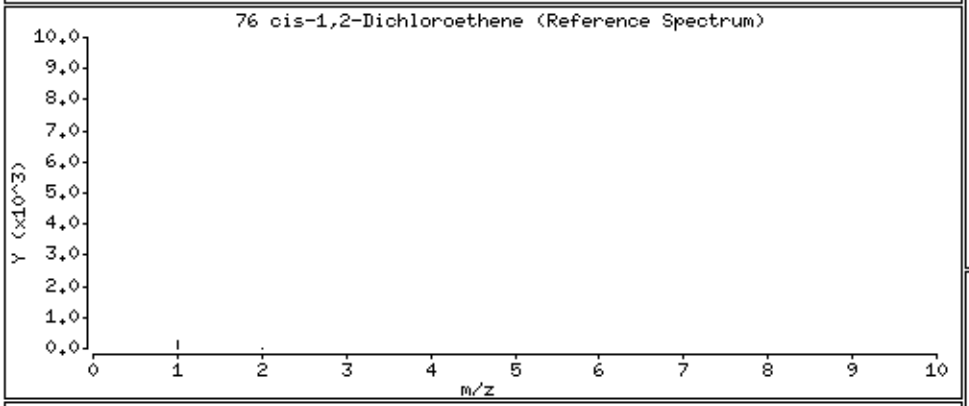
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

76 cis-1,2-Dichloroethene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

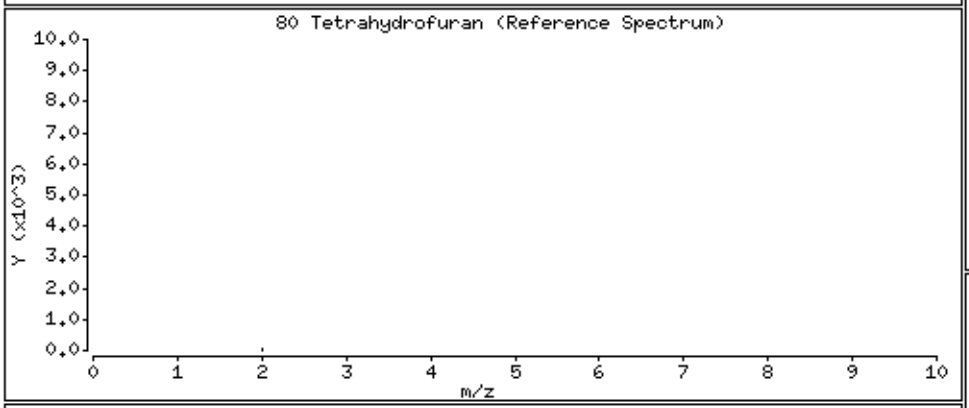
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

80 Tetrahydrofuran



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

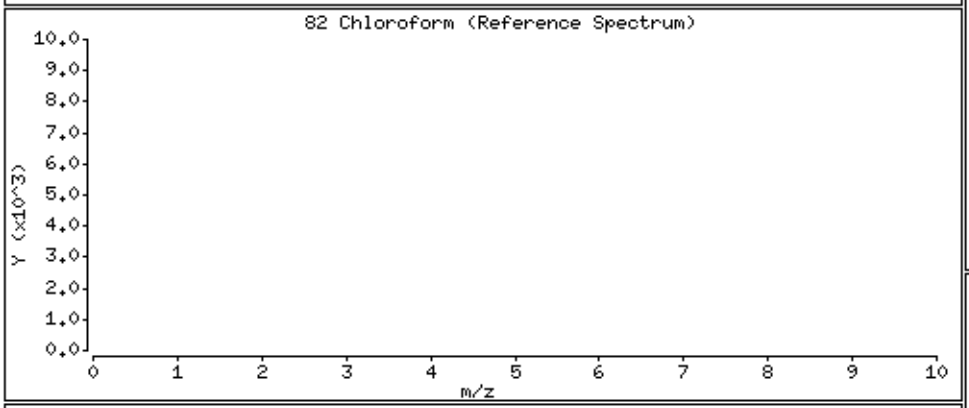
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

82 Chloroform



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

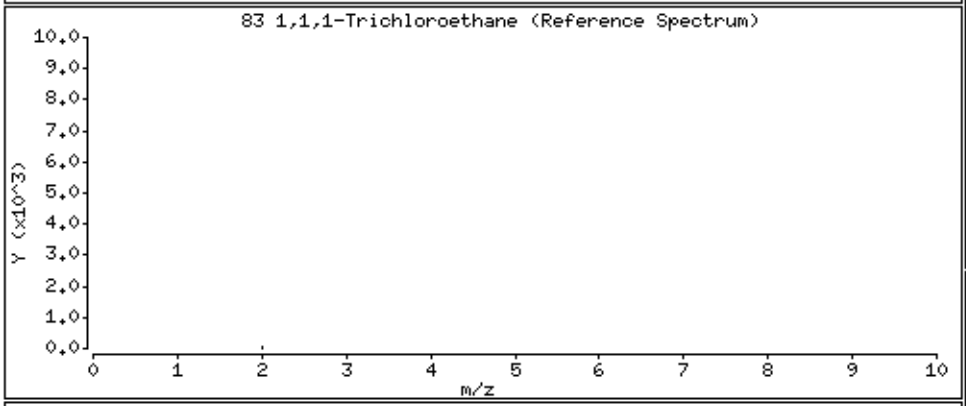
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

83 1,1,1-Trichloroethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

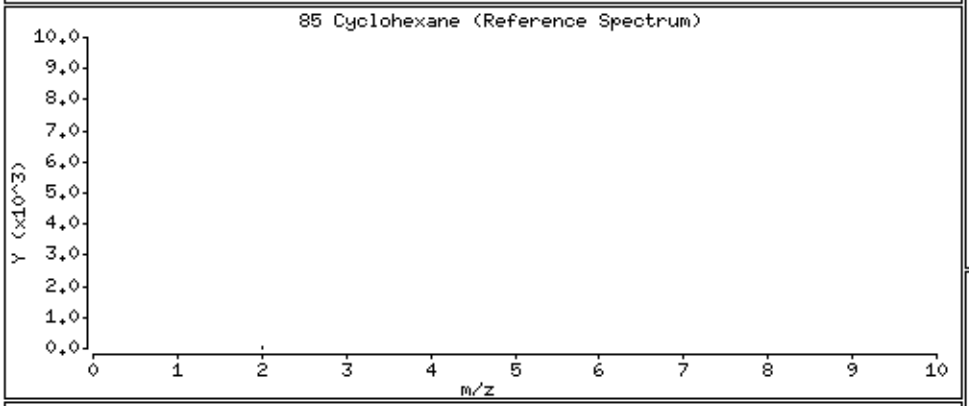
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

85 Cyclohexane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

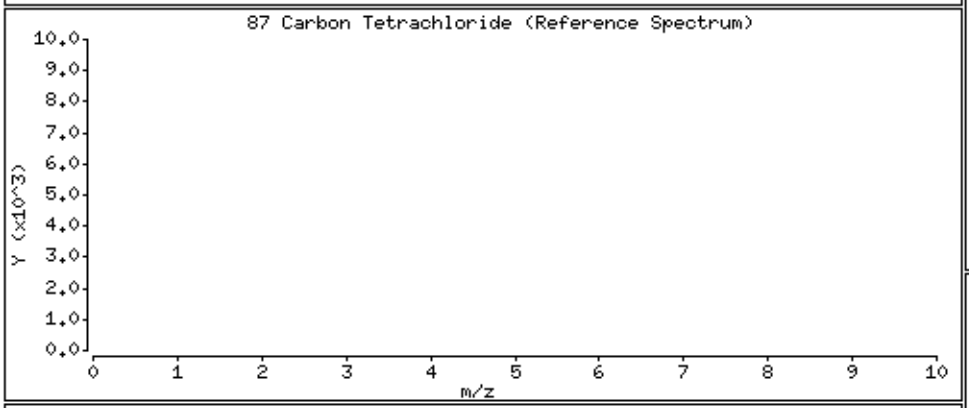
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

87 Carbon Tetrachloride



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

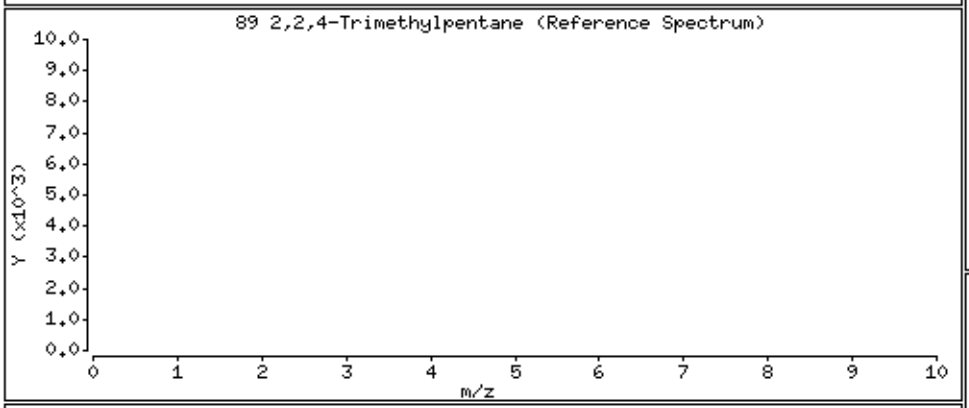
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

89 2,2,4-Trimethylpentane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

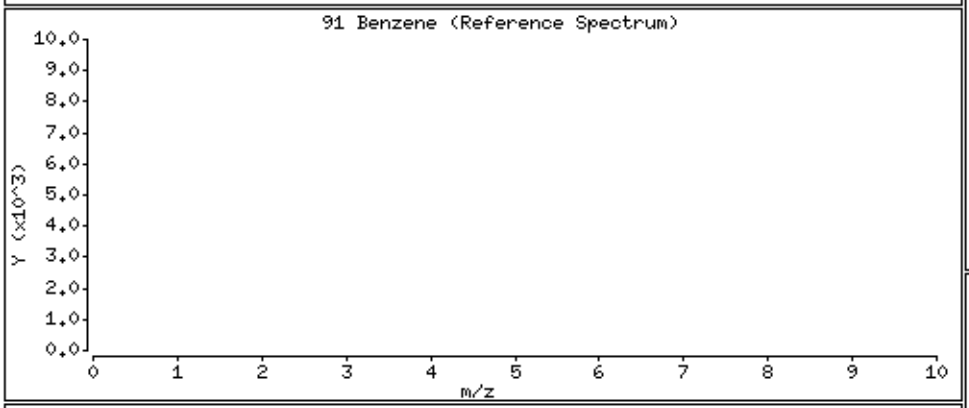
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

91 Benzene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

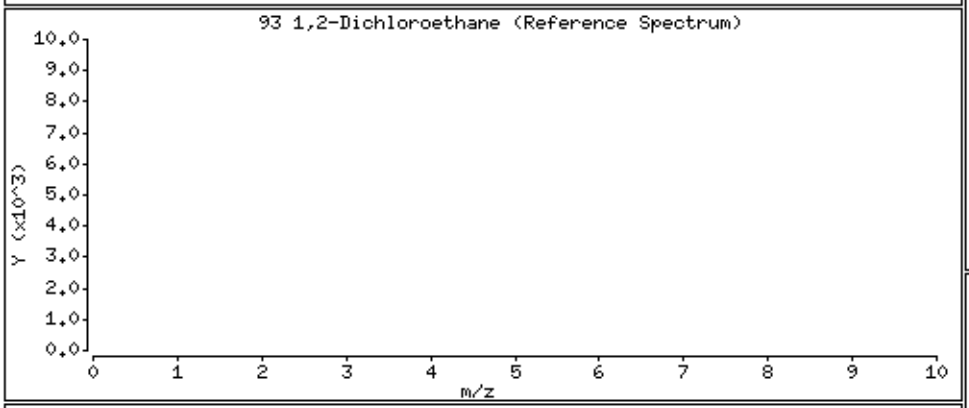
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

93 1,2-Dichloroethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

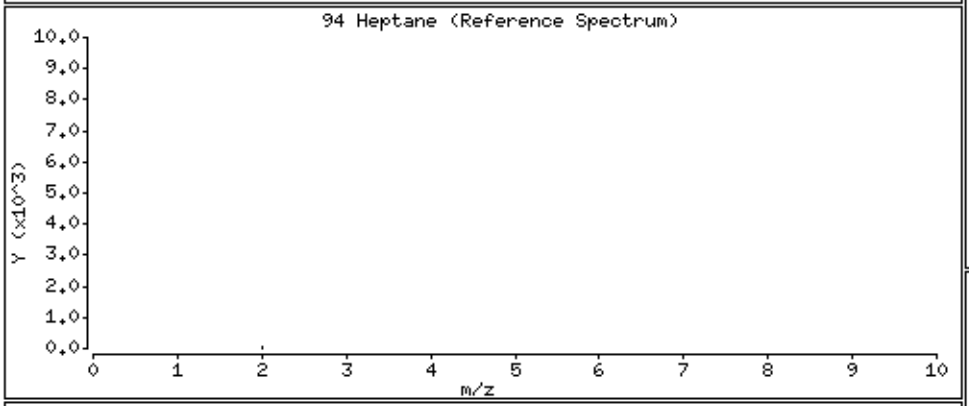
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

94 Heptane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

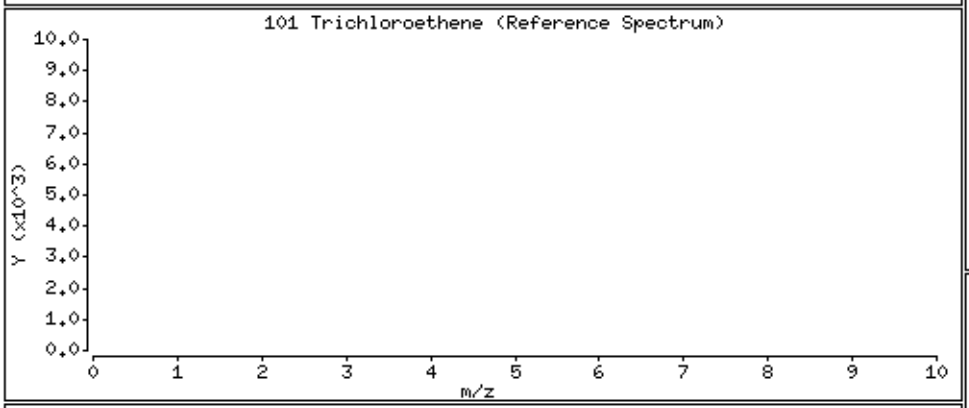
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

101 Trichloroethene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

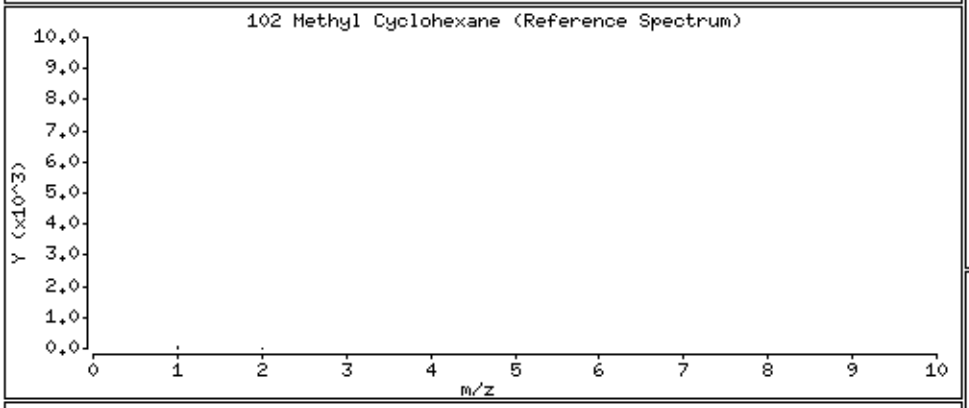
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

102 Methyl Cyclohexane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

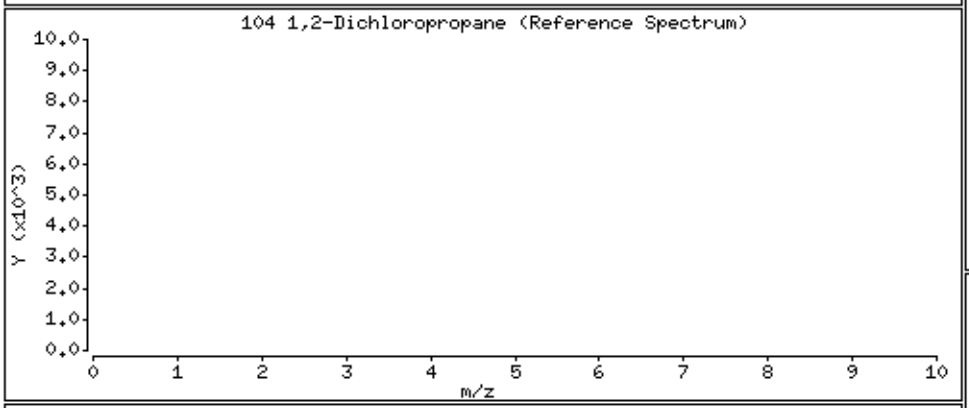
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

104 1,2-Dichloropropane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

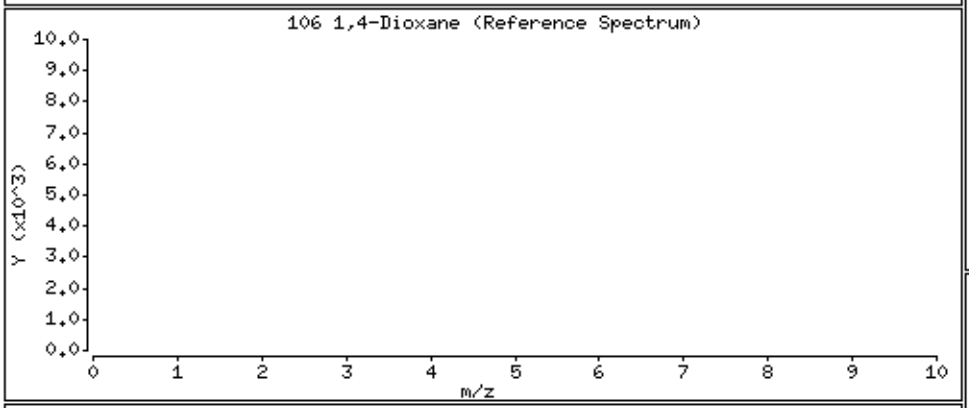
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

106 1,4-Dioxane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

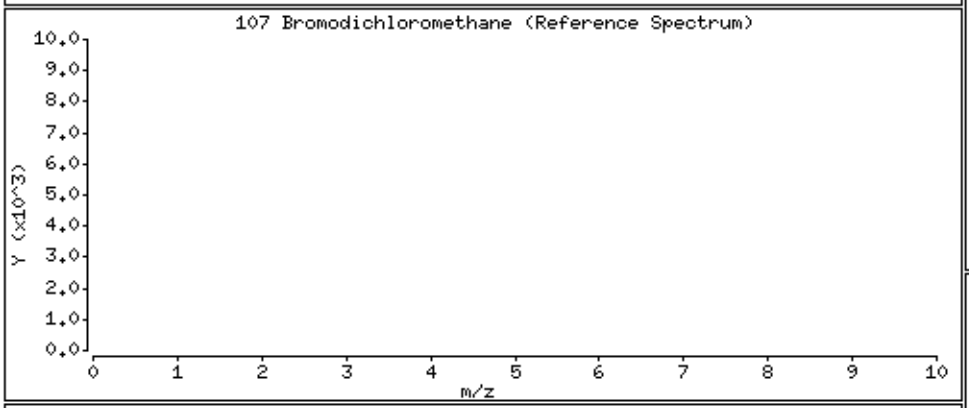
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

107 Bromodichloromethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

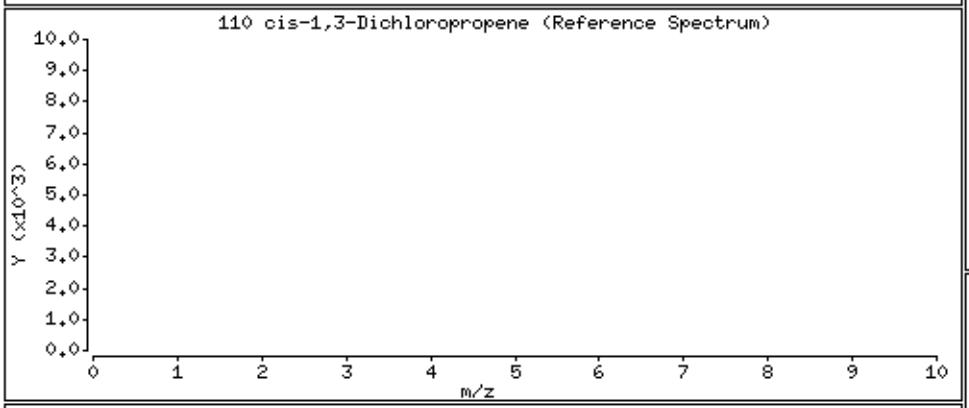
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

110 cis-1,3-Dichloropropene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

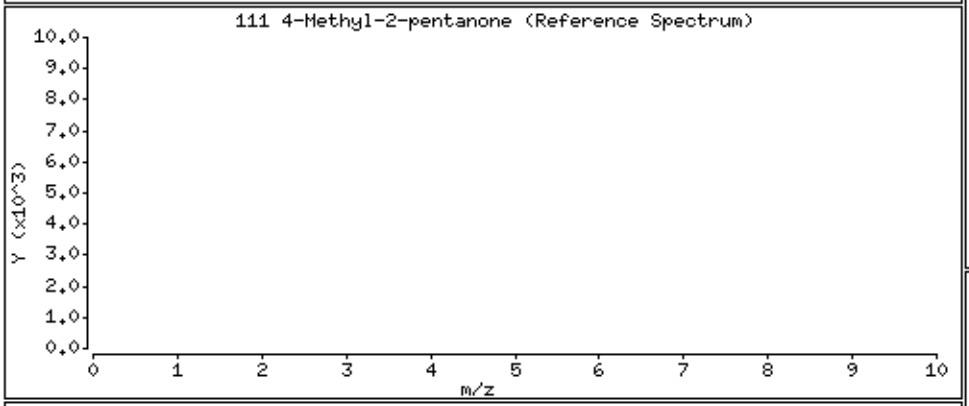
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

111 4-Methyl-2-pentanone



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Client ID: BFB Tune check

Instrument: msdt.i

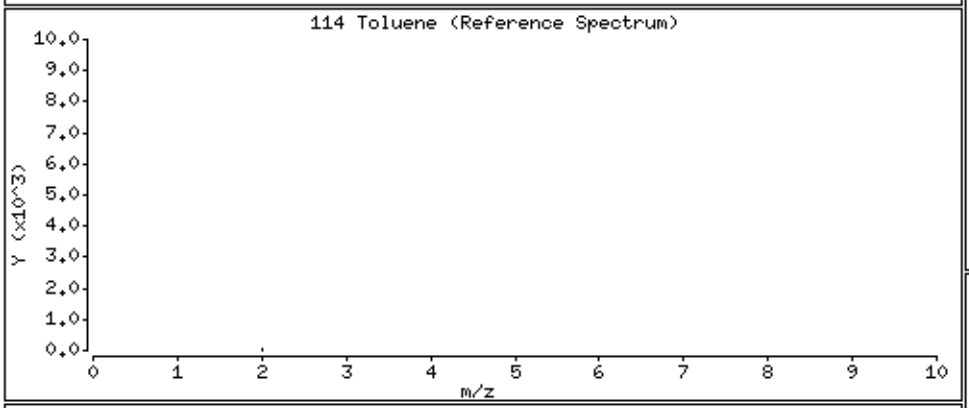
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

114 Toluene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

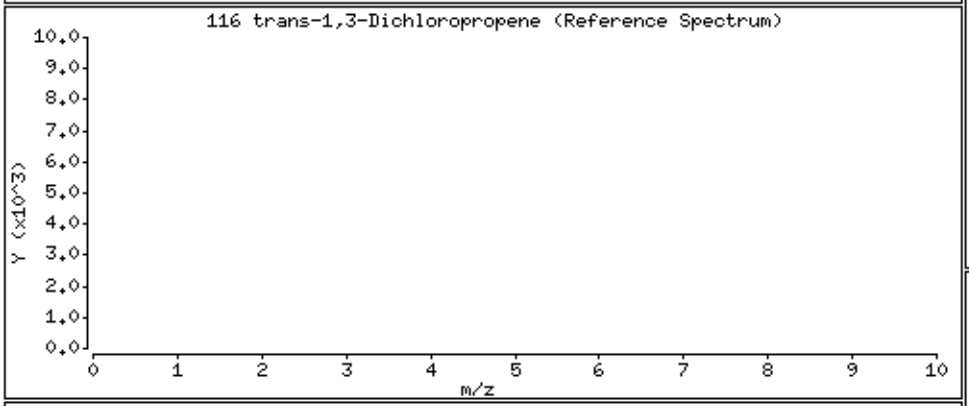
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

116 trans-1,3-Dichloropropene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

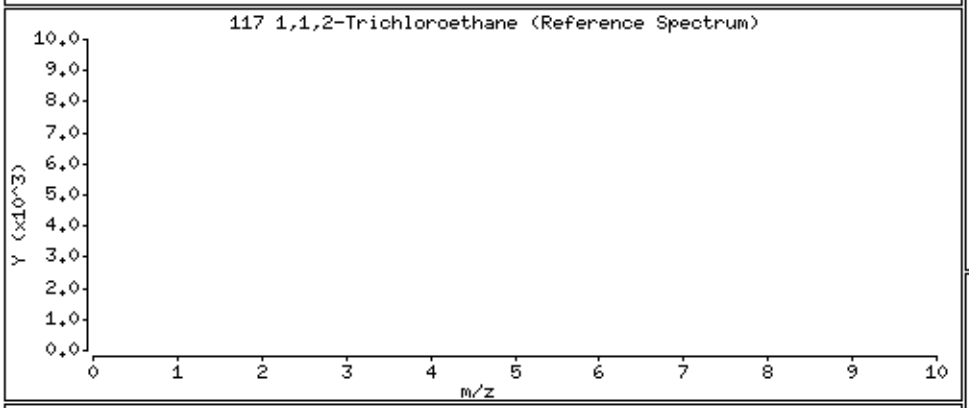
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

117 1,1,2-Trichloroethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

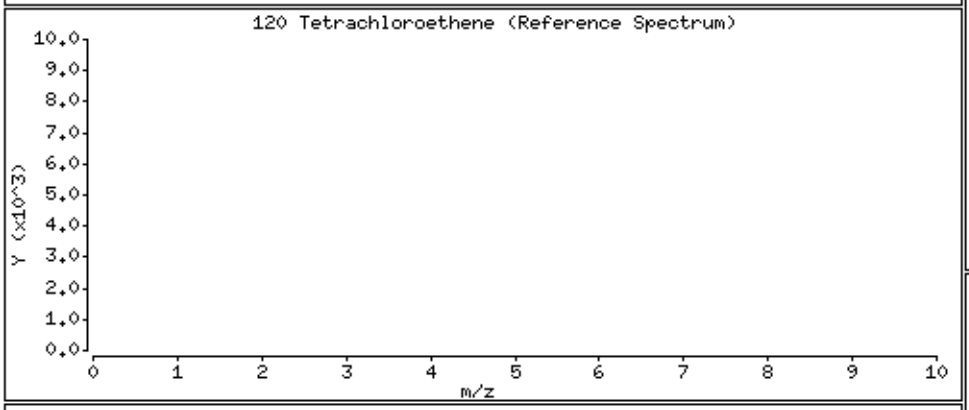
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

120 Tetrachloroethene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

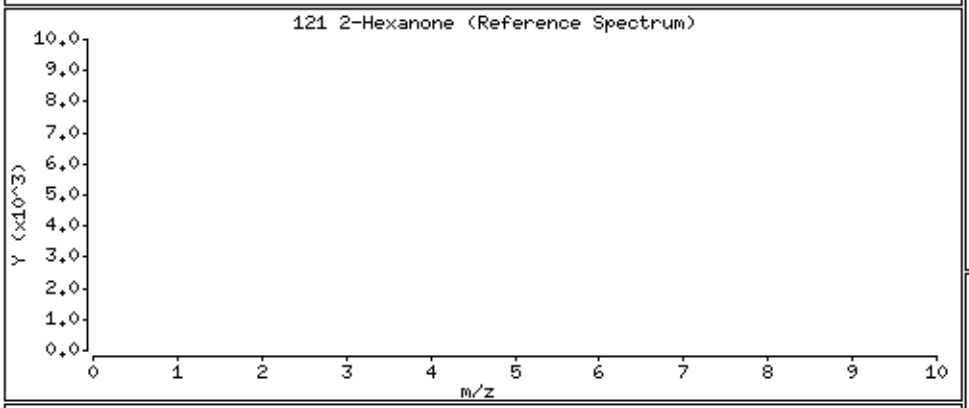
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

121 2-Hexanone



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Client ID: BFB Tune check

Instrument: msdt.i

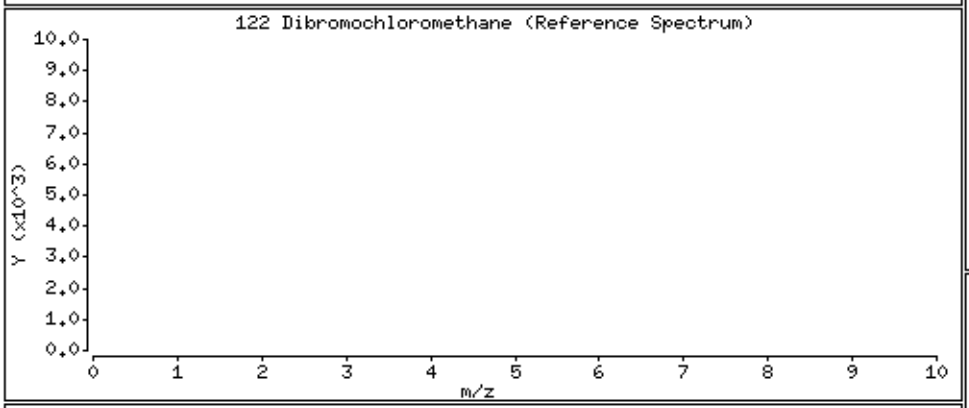
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

122 Dibromochloromethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

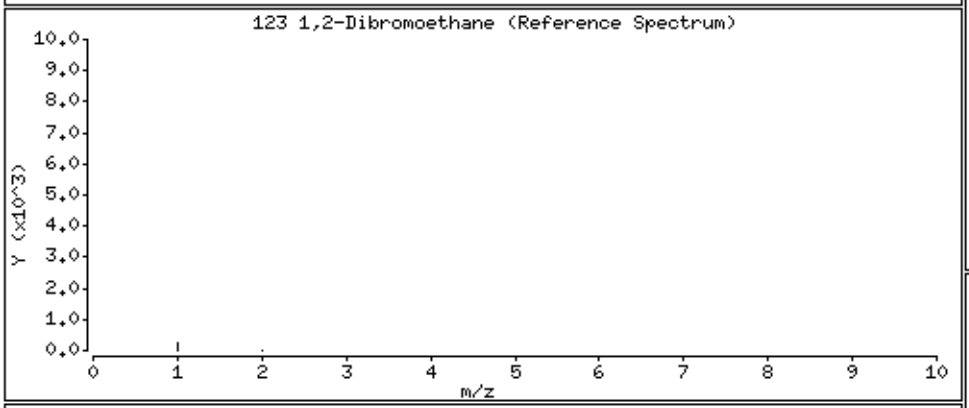
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

123 1,2-Dibromoethane



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

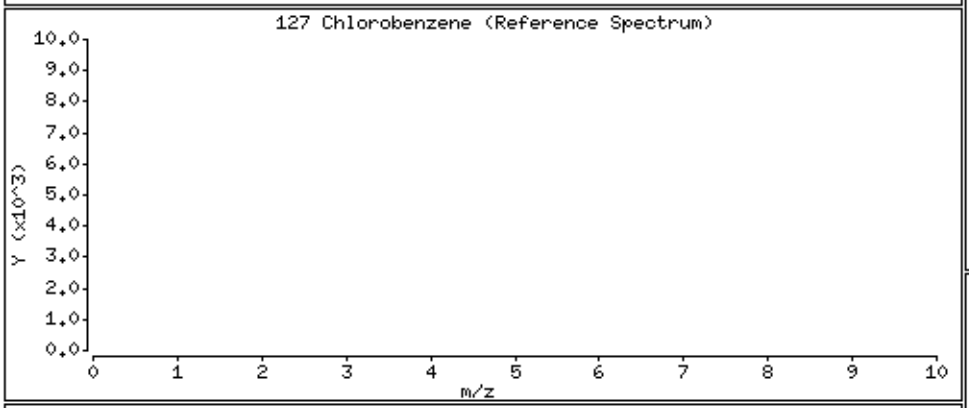
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

127 Chlorobenzene



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Client ID: BFB Tune check

Instrument: msdt.i

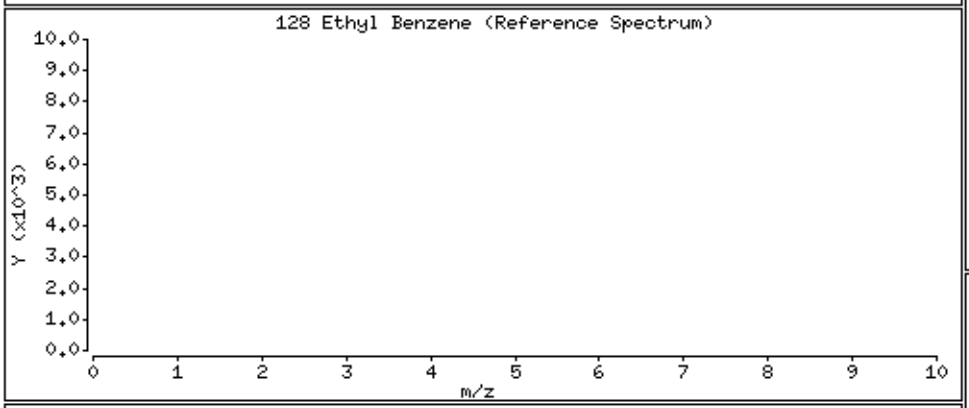
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

128 Ethyl Benzene



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Client ID: BFB Tune check

Instrument: msdt.i

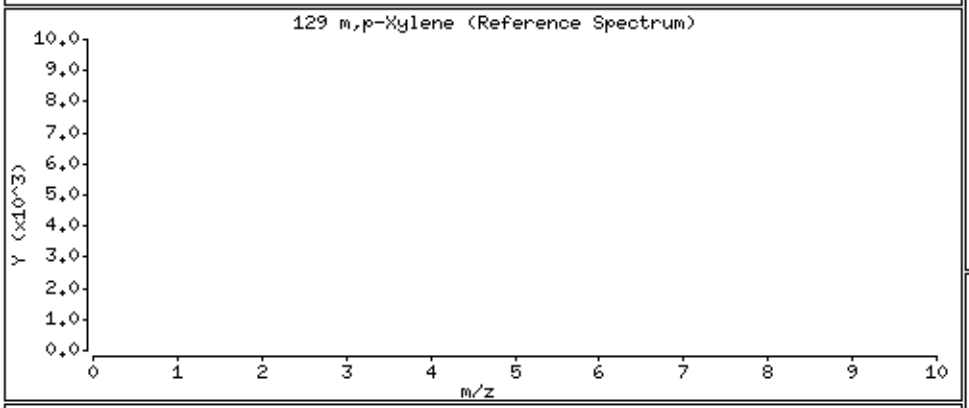
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

129 m,p-Xylene



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Client ID: BFB Tune check

Instrument: msdt.i

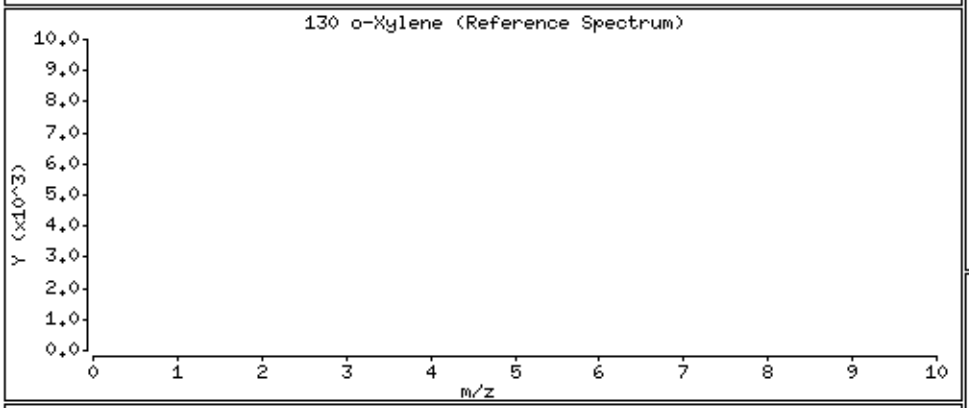
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

130 o-Xylene



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Client ID: BFB Tune check

Instrument: msdt.i

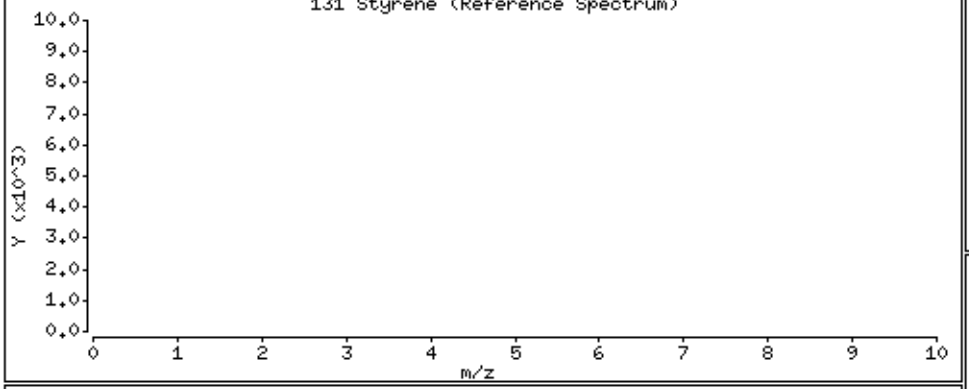
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

131 Styrene



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Client ID: BFB Tune check

Instrument: msdt.i

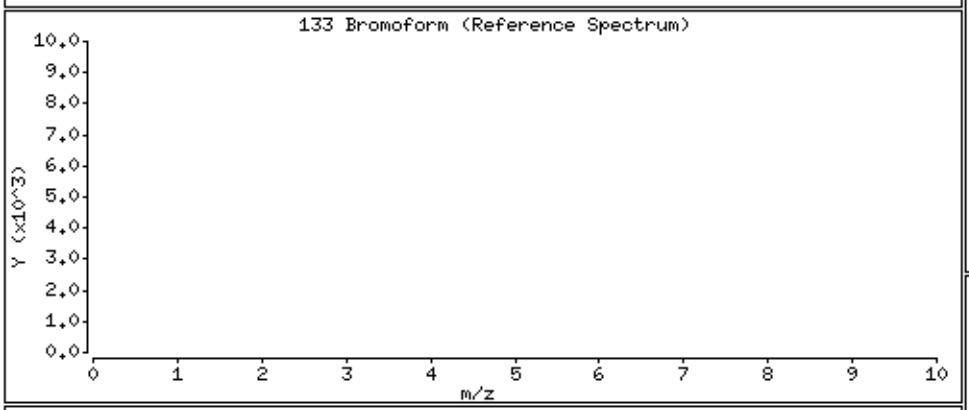
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

133 Bromoform



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

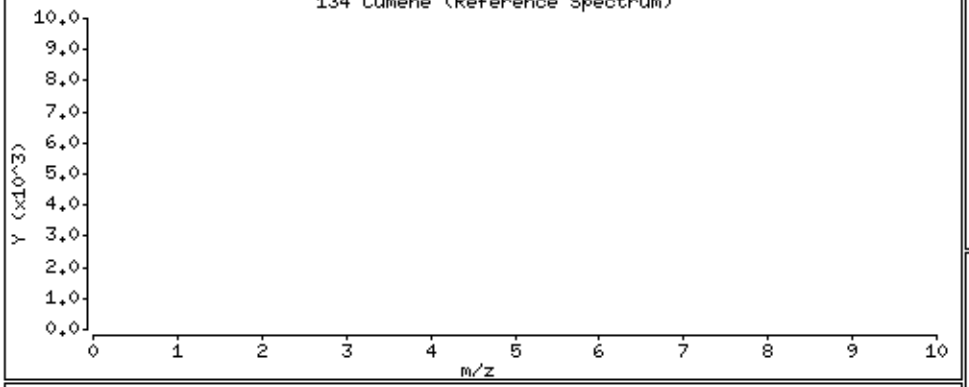
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

134 Cumene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

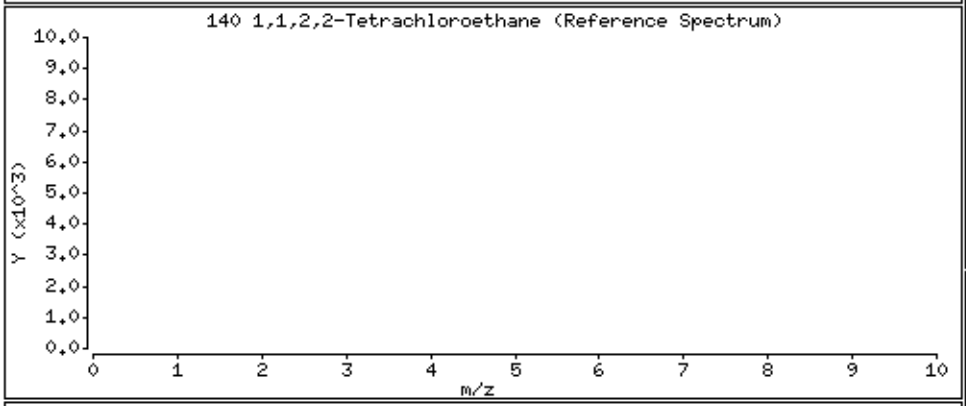
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

140 1,1,2,2-Tetrachloroethane



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Client ID: BFB Tune check

Instrument: msdt.i

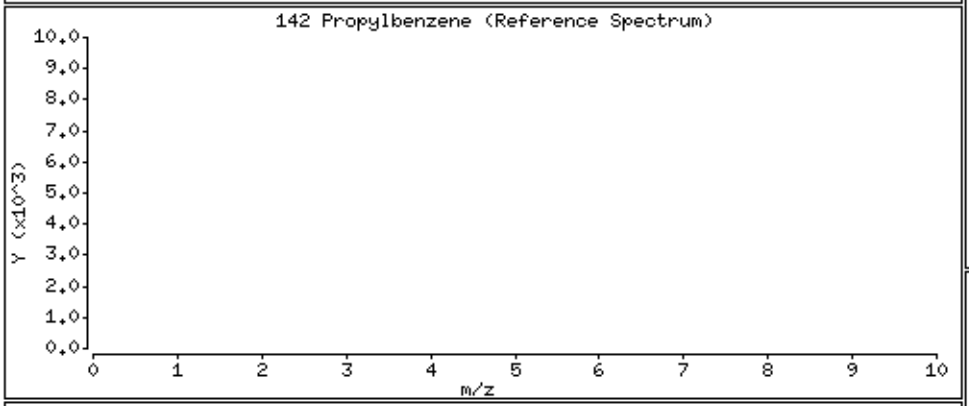
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

142 Propylbenzene



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Client ID: BFB Tune check

Instrument: msdt.i

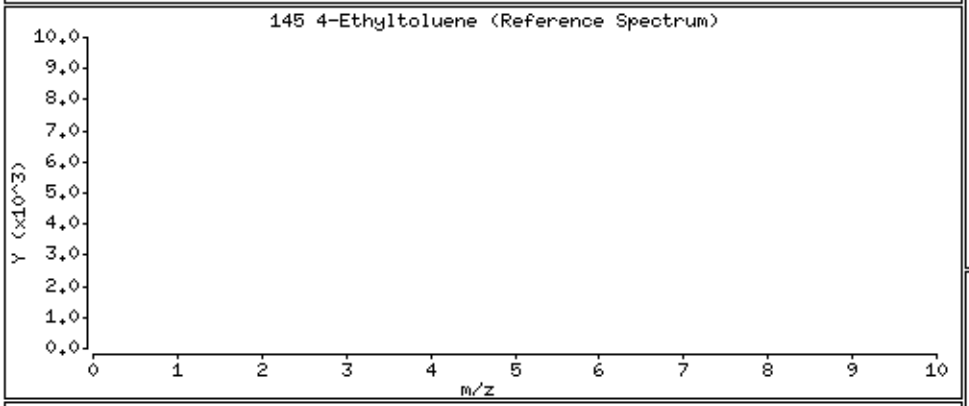
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

145 4-Ethyltoluene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

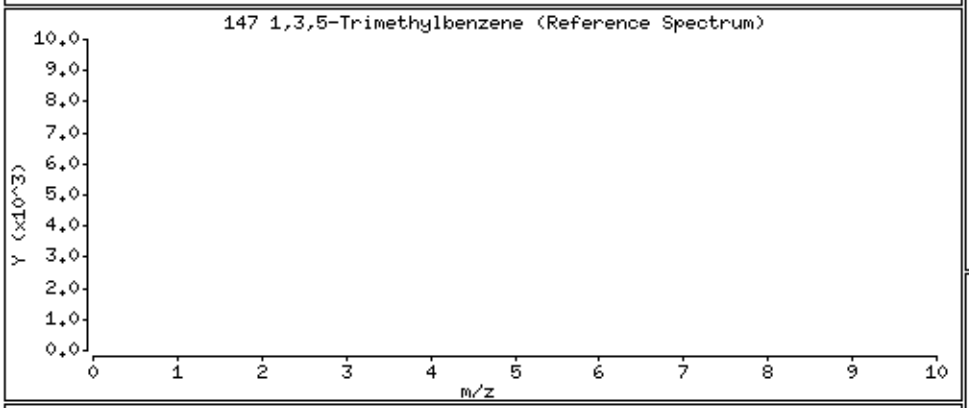
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

147 1,3,5-Trimethylbenzene



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Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

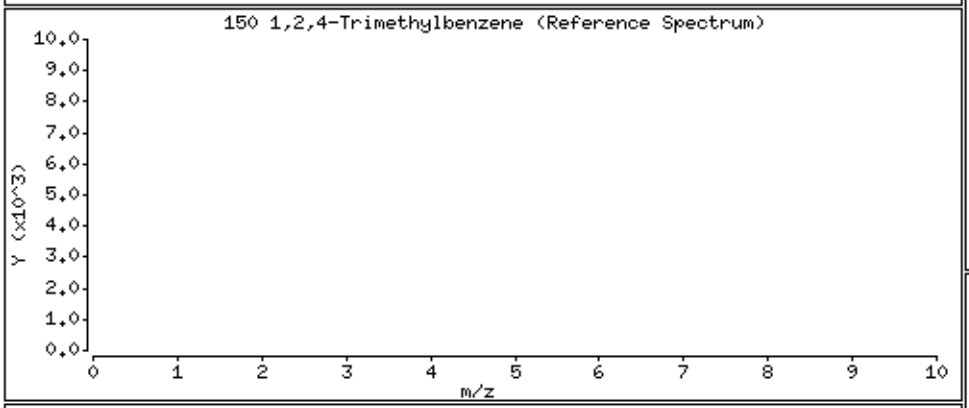
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

150 1,2,4-Trimethylbenzene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

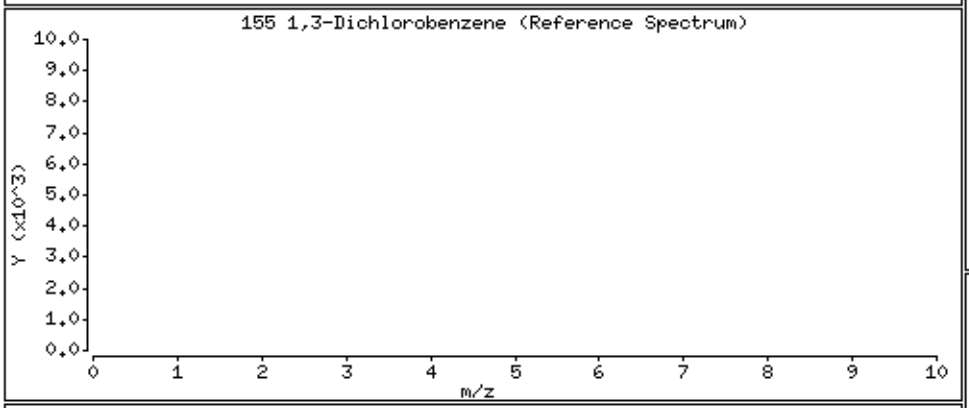
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

155 1,3-Dichlorobenzene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

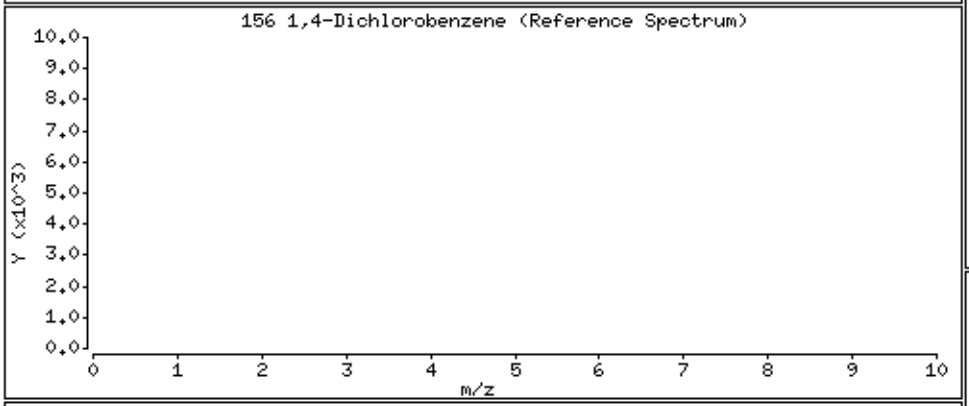
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

156 1,4-Dichlorobenzene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

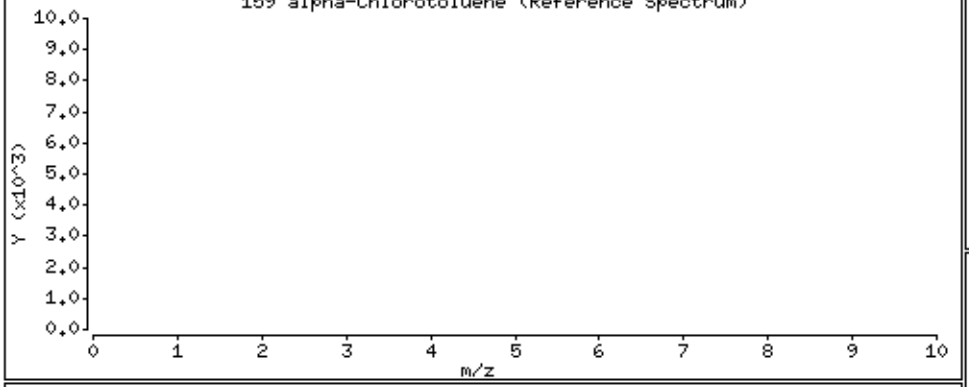
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

159 alpha-Chlorotoluene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

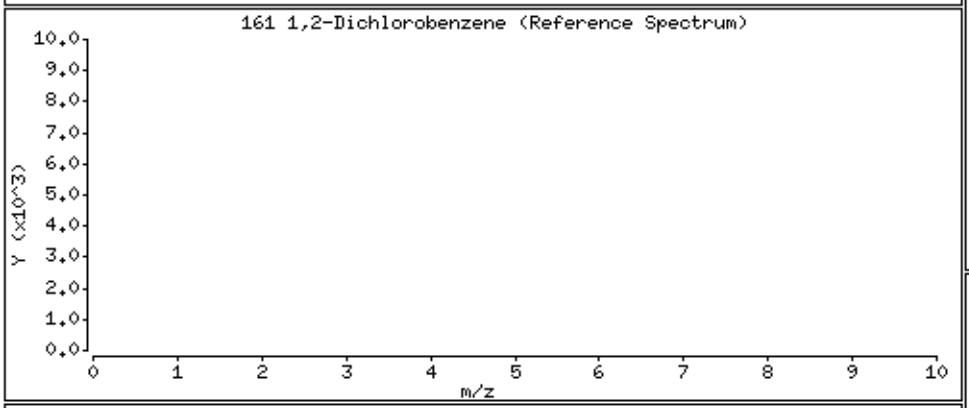
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

161 1,2-Dichlorobenzene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

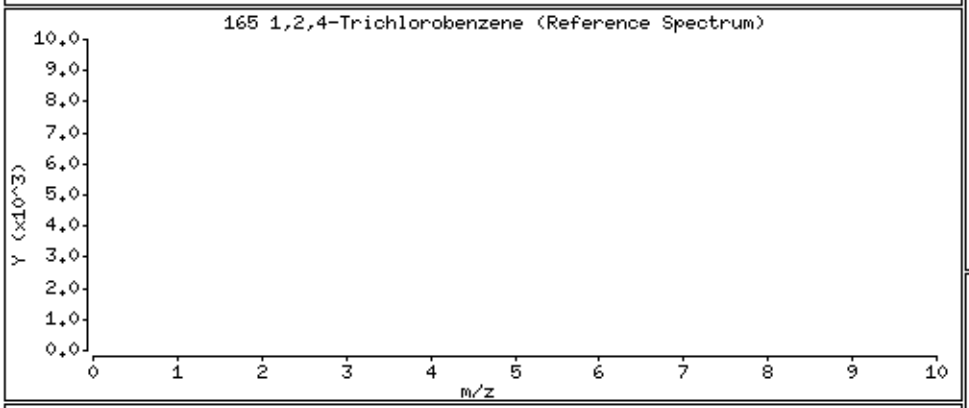
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

165 1,2,4-Trichlorobenzene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

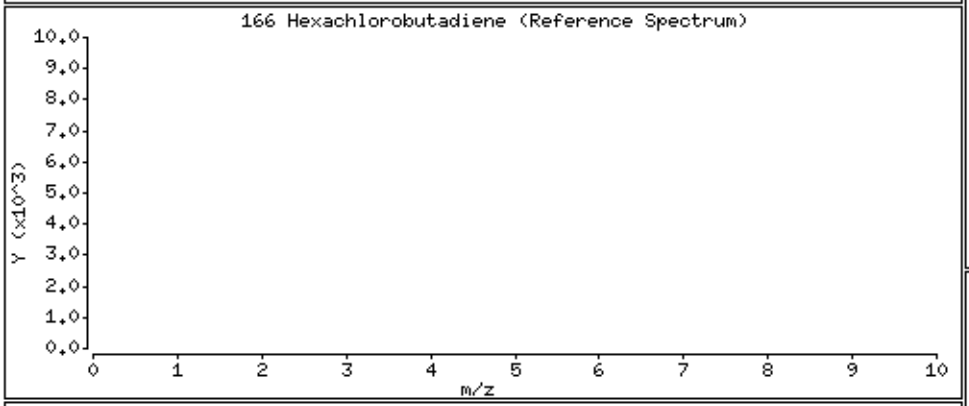
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

166 Hexachlorobutadiene



Data File: /chem/msdt.i/06Mar2007.b/t030601.d

Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

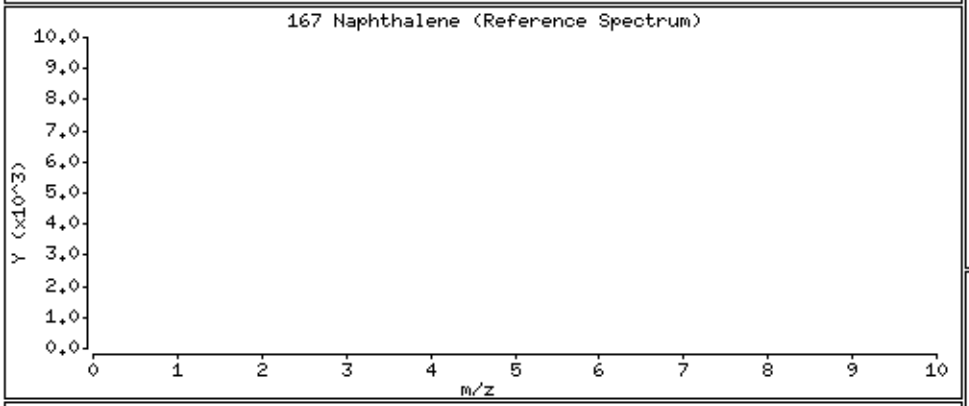
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53

167 Naphthalene



Air Toxics Ltd.

Data file : /chem/msdt.i/07Mar2007.b/t030701.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 07-MAR-2007 10:23
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL #843-2910;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/07Mar2007.b/bfb.m
Meth Date : 17-Aug-2006 09:13 ctaylor Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.303	8.228	0.075	95	721237			100.00- 100.00	100.00
8.303	8.228	0.075	50	195690			15.00- 40.00	27.13
8.303	8.228	0.075	75	363353			30.00- 60.00	50.38
8.303	8.228	0.075	96	47408			5.00- 9.00	6.57
8.303	8.228	0.075	173	4040			0.00- 2.00	1.01
8.303	8.228	0.075	174	399040			50.00- 100.00	55.33
8.303	8.228	0.075	175	29407			5.00- 9.00	7.37
8.303	8.228	0.075	176	383509			95.00- 101.00	96.11
8.303	8.228	0.075	177	24633			5.00- 9.00	6.42

Data File: /chem/msdt.i/07Mar2007.b/t030701.d

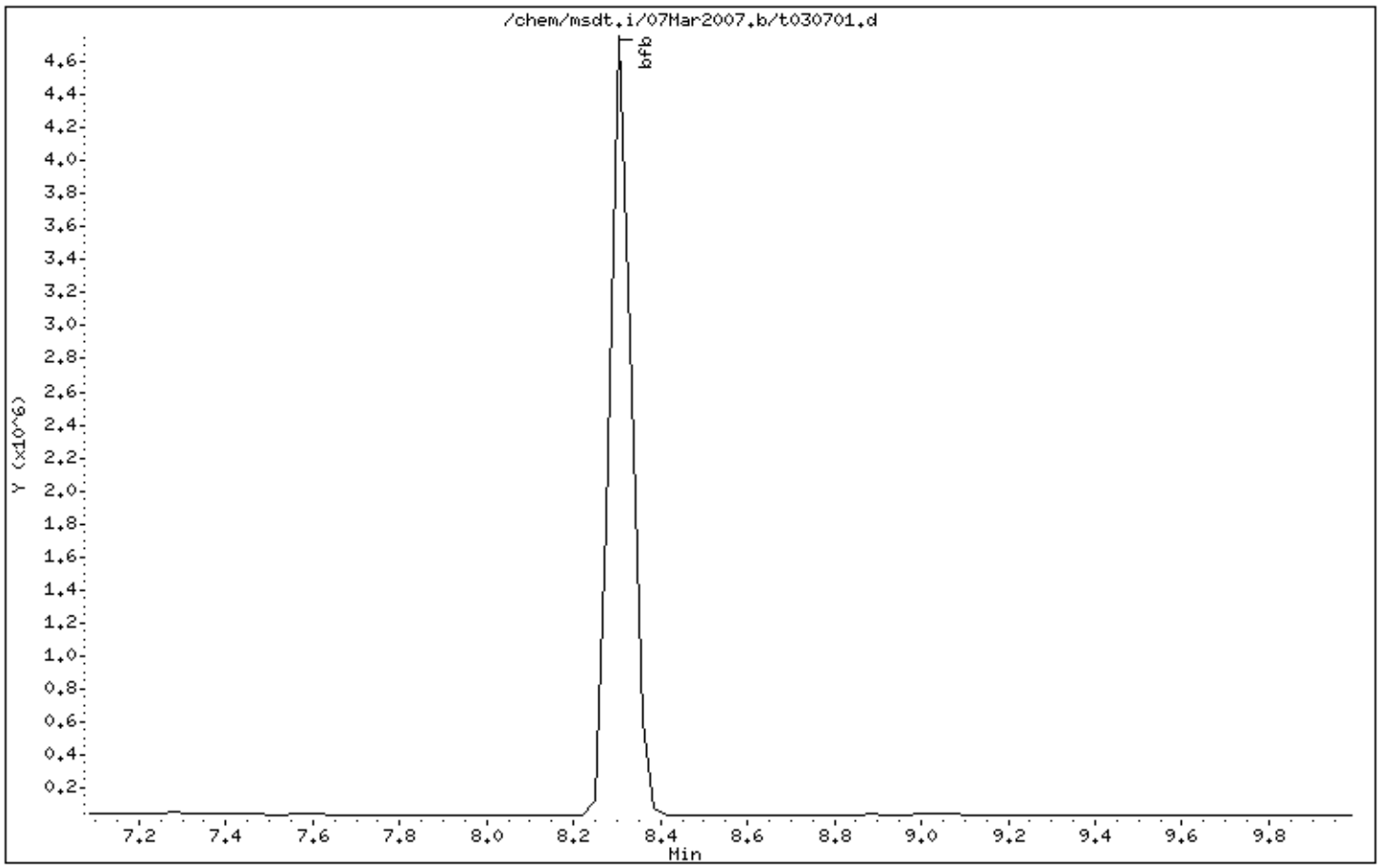
Date : 07-MAR-2007 10:23

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/07Mar2007.b/t030701.d

Date : 07-MAR-2007 10:23

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune Check;BFB Tune Check

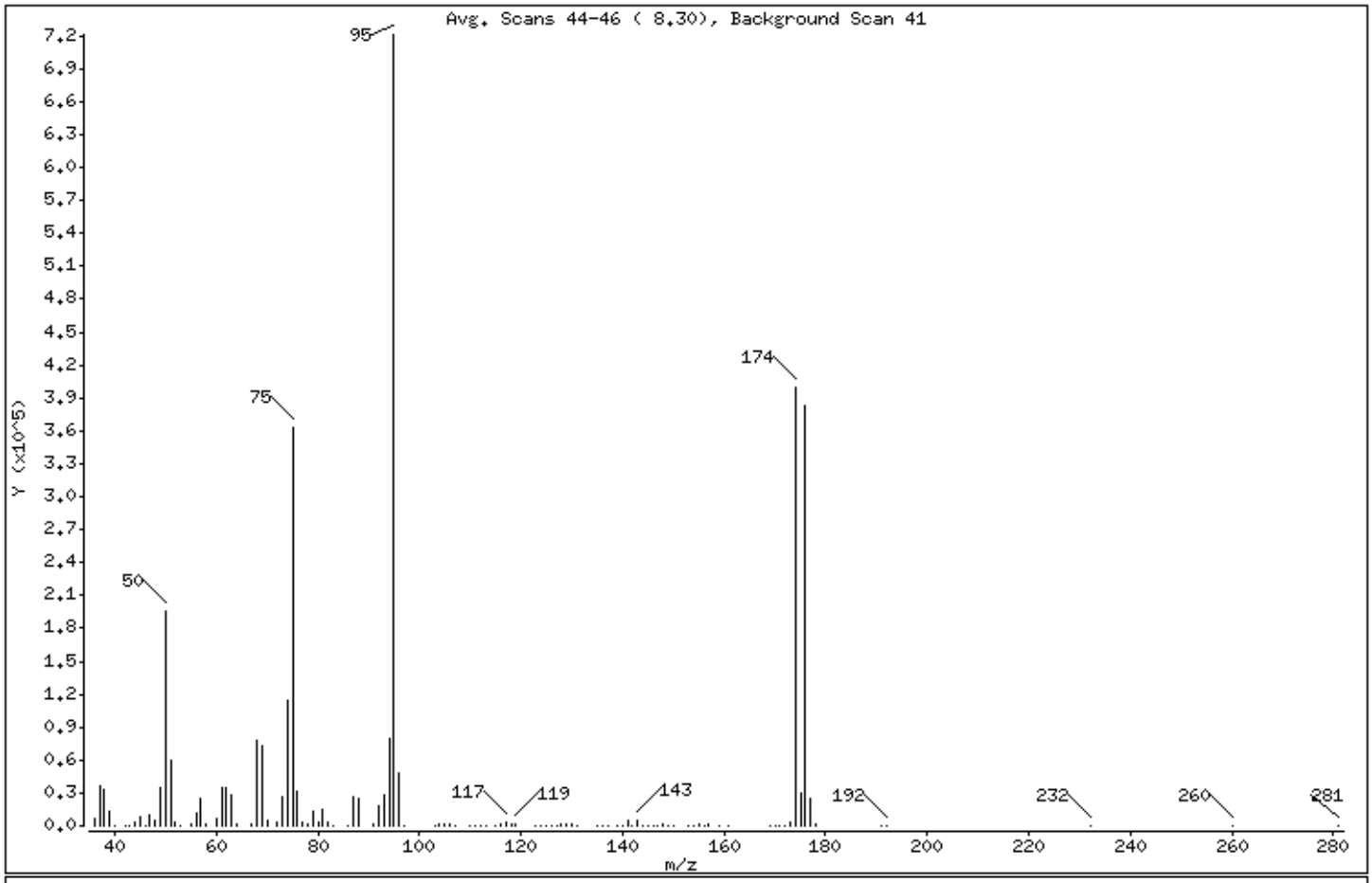
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.13
75	30.00 - 60.00% of mass 95	50.38
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.56 (1.01)
174	50.00 - 100.00% of mass 95	55.33
175	5.00 - 9.00% of mass 174	4.08 (7.37)
176	95.00 - 101.00% of mass 174	53.17 (96.11)
177	5.00 - 9.00% of mass 176	3.42 (6.42)

Date : 07-MAR-2007 10:23

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t030701.d
Spectrum: Avg. Scans 44-46 (8.30), Background Scan 41
Location of Maximum: 95.00
Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6115	70.00	5487	111.00	328	148.00	1090
37.00	35728	72.00	3145	112.00	267	149.00	393
38.00	32736	73.00	26872	113.00	315	150.00	383
39.00	13454	74.00	115184	115.00	725	153.00	446
40.00	374	75.00	363328	116.00	1659	154.00	367
42.00	31	76.00	31128	117.00	3137	155.00	1344
43.00	61	77.00	3588	118.00	1599	156.00	106
44.00	3821	78.00	2102	119.00	2378	157.00	1078
45.00	7920	79.00	13921	123.00	108	159.00	493
46.00	488	80.00	4116	124.00	323	161.00	459
47.00	10084	81.00	14417	125.00	121	169.00	100
48.00	4318	82.00	2953	126.00	150	170.00	514
49.00	35384	83.00	406	127.00	260	171.00	500
50.00	195648	86.00	558	128.00	1798	172.00	507
51.00	59560	87.00	26016	129.00	878	173.00	4040
52.00	2607	88.00	25088	130.00	1860	174.00	399040
53.00	138	91.00	1779	131.00	789	175.00	29400
55.00	1909	92.00	17464	135.00	703	176.00	383488
56.00	12015	93.00	28896	136.00	107	177.00	24632
57.00	24504	94.00	78944	137.00	767	178.00	851
58.00	973	95.00	721216	139.00	125	191.00	56
60.00	6373	96.00	47408	140.00	285	192.00	117
61.00	35504	97.00	739	141.00	4183	232.00	338
62.00	35384	103.00	198	142.00	510	260.00	29
63.00	27400	104.00	2192	143.00	4537	281.00	212
64.00	2314	105.00	984	144.00	171		
67.00	1896	106.00	2210	145.00	284		
68.00	77552	107.00	703	146.00	686		
69.00	72808	110.00	262	147.00	300		

Air Toxics Ltd.

Data file : /chem/msdt.i/15Mar2007.b/t031501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 15-MAR-2007 09:48
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL #843-2910;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/15Mar2007.b/bfb.m
Meth Date : 11-Dec-2006 10:57 sruth Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.303	8.228	0.075	95	821141			100.00- 100.00	100.00
8.303	8.228	0.075	50	276098			15.00- 40.00	33.62
8.303	8.228	0.075	75	437024			30.00- 60.00	53.22
8.303	8.228	0.075	96	53740			5.00- 9.00	6.54
8.303	8.228	0.075	173	3580			0.00- 2.00	0.85
8.303	8.228	0.075	174	422824			50.00- 100.00	51.49
8.303	8.228	0.075	175	31451			5.00- 9.00	7.44
8.303	8.228	0.075	176	406658			95.00- 101.00	96.18
8.303	8.228	0.075	177	26019			5.00- 9.00	6.40

Data File: /chem/msdt.i/15Mar2007.b/t031501.d

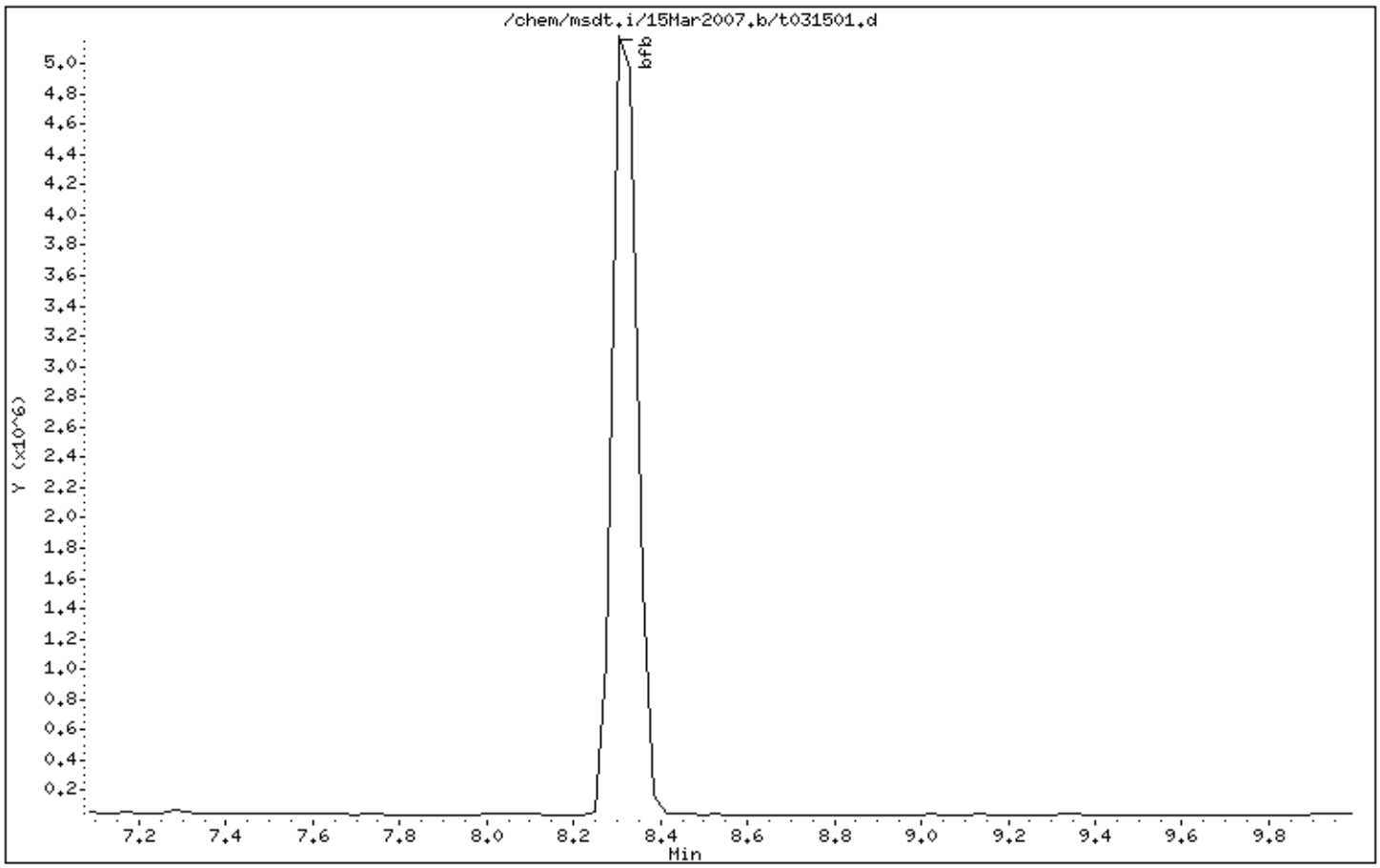
Date : 15-MAR-2007 09:48

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/15Mar2007.b/t031501.d

Date : 15-MAR-2007 09:48

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune check;BFB Tune check

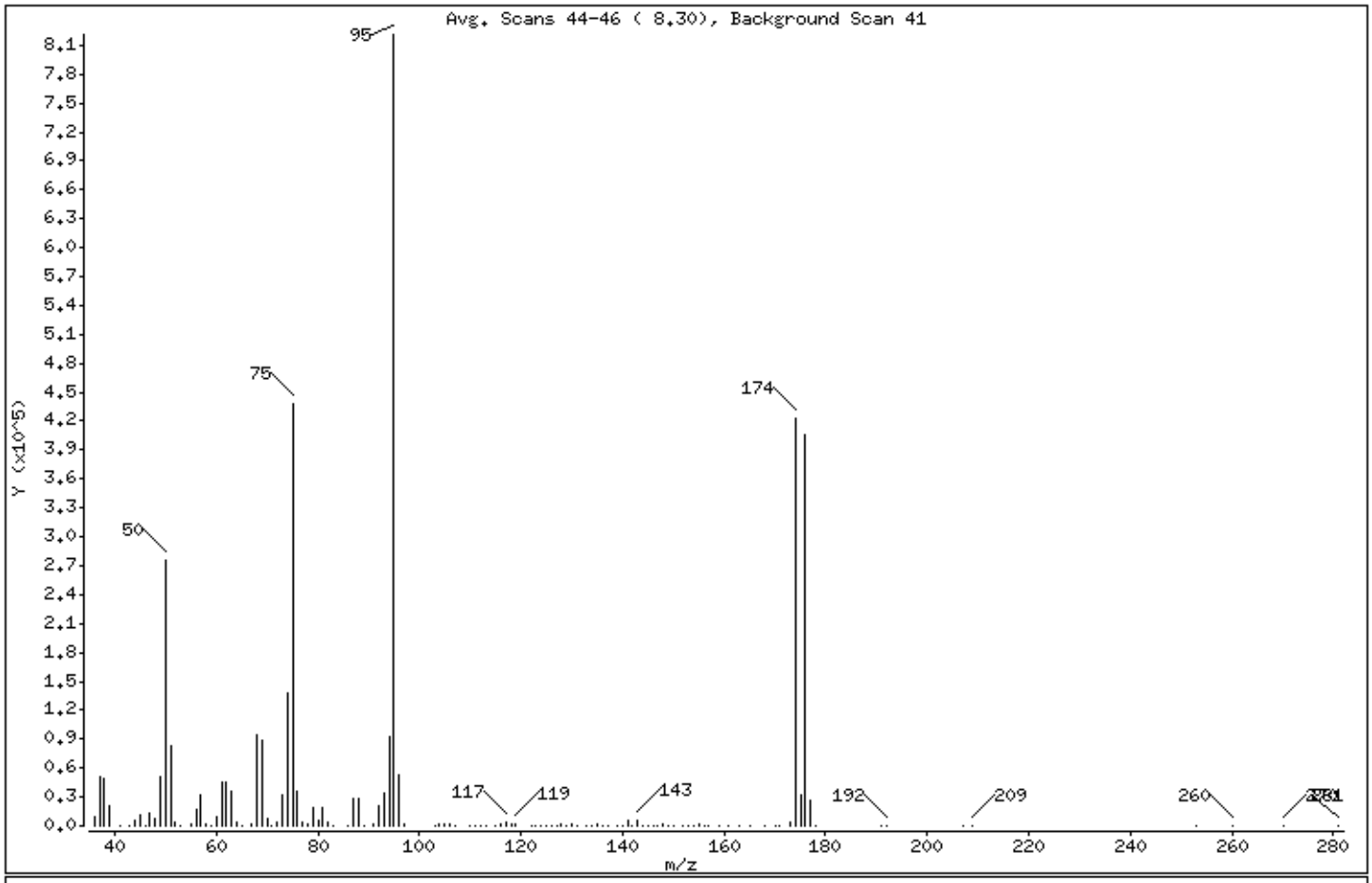
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	33.62
75	30.00 - 60.00% of mass 95	53.22
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.44 (0.85)
174	50.00 - 100.00% of mass 95	51.49
175	5.00 - 9.00% of mass 174	3.83 (7.44)
176	95.00 - 101.00% of mass 174	49.52 (96.18)
177	5.00 - 9.00% of mass 176	3.17 (6.40)

Date : 15-MAR-2007 09:48

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2910;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t031501.d
Spectrum: Avg. Scans 44-46 (8.30), Background Scan 41
Location of Maximum: 95.00
Number of points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8950	71.00	106	112.00	325	148.00	1192
37.00	51496	72.00	3872	113.00	394	149.00	382
38.00	48792	73.00	32672	115.00	769	150.00	500
39.00	21184	74.00	138560	116.00	2083	152.00	265
41.00	322	75.00	436992	117.00	3561	153.00	387
43.00	104	76.00	36472	118.00	2064	154.00	338
44.00	4893	77.00	4145	119.00	2637	155.00	1177
45.00	11834	78.00	2492	122.00	103	156.00	114
46.00	655	79.00	18776	123.00	105	157.00	858
47.00	13414	80.00	5807	124.00	416	159.00	578
48.00	6784	81.00	19000	125.00	233	161.00	611
49.00	50856	82.00	4281	126.00	221	163.00	36
50.00	276096	83.00	385	127.00	100	165.00	210
51.00	83072	86.00	781	128.00	2172	168.00	206
52.00	3336	87.00	28736	129.00	938	170.00	506
53.00	289	88.00	27944	130.00	2149	171.00	172
55.00	2596	89.00	123	131.00	854	173.00	3580
56.00	16110	91.00	2491	133.00	34	174.00	422784
57.00	32144	92.00	20920	134.00	257	175.00	31448
58.00	1235	93.00	34840	135.00	1093	176.00	406656
59.00	12	94.00	91840	136.00	111	177.00	26016
60.00	8586	95.00	821120	137.00	853	178.00	817
61.00	45696	96.00	53736	139.00	131	191.00	50
62.00	44928	97.00	1659	140.00	312	192.00	104
63.00	35496	103.00	184	141.00	5307	207.00	25
64.00	3044	104.00	2780	142.00	666	209.00	263
65.00	305	105.00	1091	143.00	5322	253.00	19
67.00	2109	106.00	2565	144.00	249	260.00	122
68.00	94592	107.00	730	145.00	470	270.00	219
69.00	89328	110.00	259	146.00	797	281.00	380
70.00	6665	111.00	395	147.00	241		

Air Toxics Ltd.

Data file : /chem/msdt.i/20Mar2007.b/t032001.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 20-MAR-2007 08:07
Operator : lmr Inst ID: msdt.i
Smp Info : 2ul #843-2915;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/20Mar2007.b/bfb.m
Meth Date : 11-Dec-2006 10:57 sruth Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.331	8.228	0.103	95	658026			100.00- 100.00	100.00
8.331	8.228	0.103	50	198649			15.00- 40.00	30.19
8.331	8.228	0.103	75	343878			30.00- 60.00	52.26
8.331	8.228	0.103	96	43883			5.00- 9.00	6.67
8.331	8.228	0.103	173	3065			0.00- 2.00	0.81
8.331	8.228	0.103	174	378794			50.00- 100.00	57.57
8.331	8.228	0.103	175	27093			5.00- 9.00	7.15
8.331	8.228	0.103	176	366741			95.00- 101.00	96.82
8.331	8.228	0.103	177	23378			5.00- 9.00	6.37

Data File: /chem/msdt.i/20Mar2007.b/t032001.d

Date : 20-MAR-2007 08:07

Client ID: BFB

Instrument: msdt.i

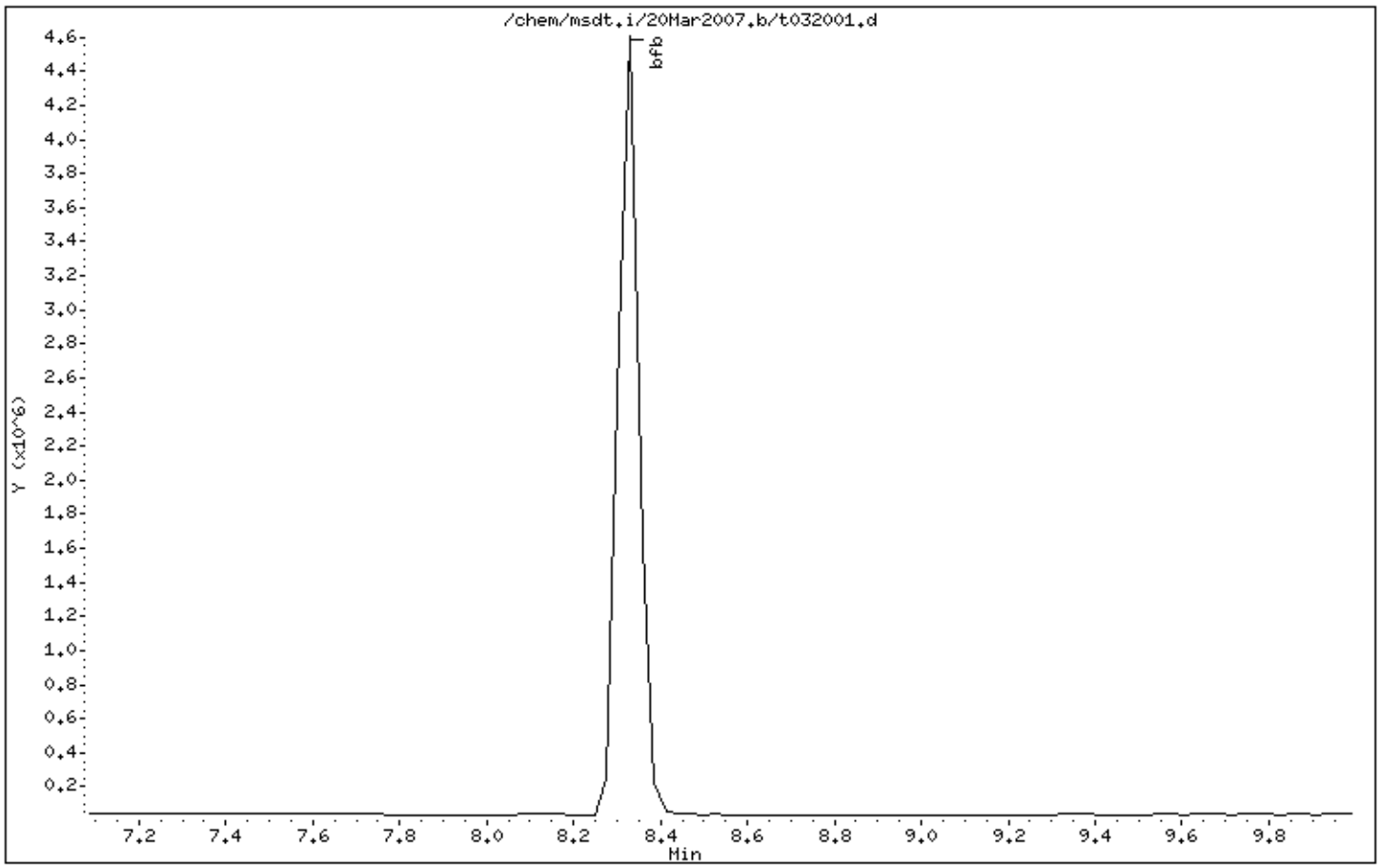
Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/20Mar2007.b/t032001.d

Date : 20-MAR-2007 08:07

Client ID: BFB

Instrument: msdt.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

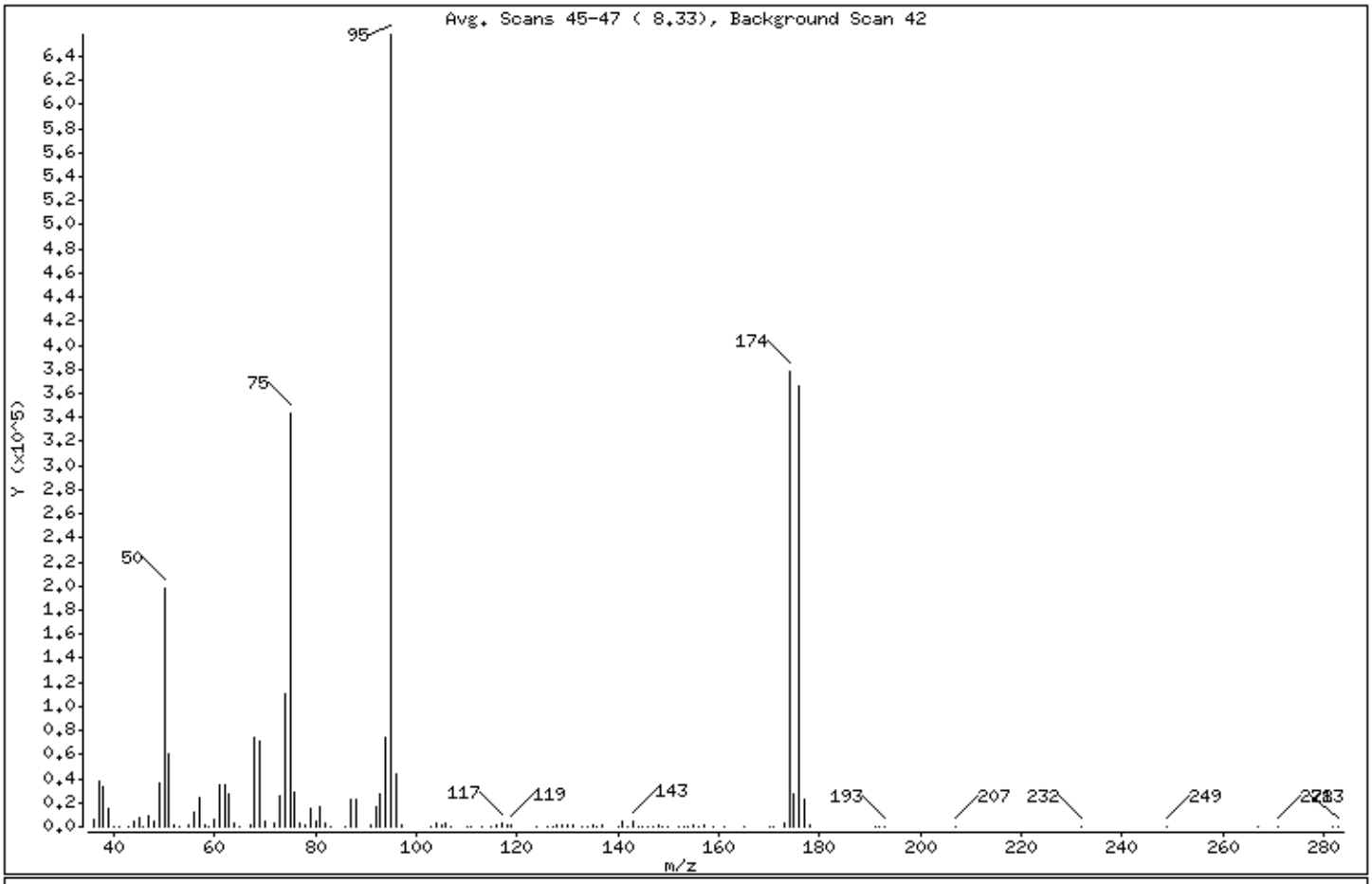
Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	30.19
75	30.00 - 60.00% of mass 95	52.26
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.47 (0.81)
174	50.00 - 100.00% of mass 95	57.57
175	5.00 - 9.00% of mass 174	4.12 (7.15)
176	95.00 - 101.00% of mass 174	55.73 (96.82)
177	5.00 - 9.00% of mass 176	3.55 (6.37)

Date : 20-MAR-2007 08:07

Client ID: BFB Instrument: msdt.i

Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: lmr

Column phase: Column diameter: 2.00

Data File: t032001.d
Spectrum: Avg. Scans 45-47 (8.33), Background Scan 42
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6194	69.00	70920	111.00	232	152.00	226
37.00	37128	70.00	5207	113.00	484	153.00	481
38.00	33768	72.00	2919	115.00	698	154.00	179
39.00	14613	73.00	26104	116.00	1601	155.00	1323
40.00	172	74.00	110904	117.00	3369	156.00	187
41.00	16	75.00	343872	118.00	1880	157.00	774
43.00	344	76.00	29360	119.00	2128	159.00	528
44.00	3952	77.00	3186	124.00	160	161.00	588
45.00	8299	78.00	2155	126.00	129	165.00	106
46.00	343	79.00	15221	127.00	345	170.00	140
47.00	9441	80.00	4503	128.00	1935	171.00	631
48.00	4410	81.00	15906	129.00	838	173.00	3065
49.00	36808	82.00	3668	130.00	1666	174.00	378752
50.00	198592	83.00	321	131.00	793	175.00	27088
51.00	60592	86.00	535	133.00	269	176.00	366720
52.00	1988	87.00	22792	134.00	102	177.00	23376
53.00	240	88.00	22992	135.00	926	178.00	969
55.00	2048	91.00	1400	136.00	116	191.00	193
56.00	12070	92.00	16536	137.00	901	192.00	118
57.00	24016	93.00	27632	140.00	100	193.00	264
58.00	1019	94.00	74360	141.00	4732	207.00	363
59.00	15	95.00	657984	142.00	561	232.00	102
60.00	6757	96.00	43880	143.00	5166	249.00	120
61.00	34816	97.00	1397	144.00	261	267.00	105
62.00	34176	103.00	268	145.00	529	271.00	116
63.00	27400	104.00	2399	146.00	646	282.00	86
64.00	2388	105.00	1040	147.00	245	283.00	70
65.00	123	106.00	2271	148.00	1199		
67.00	1702	107.00	571	149.00	411		
68.00	73712	110.00	186	150.00	552		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: GEI Consultants, Inc.
ATTENTION: Mr. Brian McCarthy
FAX #: 860-368-5307
FROM: Sample Receiving
Workorder #: 0703272
# of pages (Including Cover): 1

3/28/2007

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

Receipt VFR 3/13/07

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

Page 1 of 1

0270

Contact	Brian McCarthy
Company	GEI Consultants, Inc.
Address	455 Winding Brook Glastonbury CT 06033
Phone	860-368-5300 Fax 860-368-5307
Collected By: Signature:	Karen Lutz

Project Info:
P.O. #
Project # 061140 – 8 - 1703
Project Name BayShore OU1 Southern Cell IRM Air Monitoring

Turn Around Time:
Normal [X]
Rush [ ]
Specify

Lab Use Only
Pressurized by: VFR
Date: 3/13/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D.	Can SN#	Date	Time (start – end)	Analyses Requested	Canister Pressure/Vacuum Initial (inch Hg)	Final (inch Hg)	Receipt (PSI)	Final
01A	AMS4-UW	3596	3/8/07	1655-1527	TO-15 + Naphthalene	-30	-7.25	4.0"Hg	5.0psi
02A	AMS2-DW	3348	3/8/07	0700-1525	TO-15 + Naphthalene	-30+	-7.5	3.5"Hg	↓

CUSTODY SEAL INTACT? Y N NONE TEMP: NA

Relinquished By: (Signature) Date/Time: Karen Lutz 3/8/07 @1600 packed for FedEx
Received By: (Signature) Date/Time: T. Lavoie - ATL 3/9/07 0915
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Notes: 2 used flow controllers included
Send Data Pack to Lisa McDonough and EDD to datagroup@geiconsultatns.com

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8571 6442 0639	Tec	NA	good	Yes No (None)	0703272

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0703272

Client

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

Phone

860-368-5300

Fax

860-368-5307

Sales Rep: JLJ

Date Promised: 03/26/07
Date Completed: 3/23/07
Date Received: 3/12/07
PO#: NR
Project#: 061140-8-1703 Bayshore OU1 S Cell IRM Air Monitoring
Total $: $ 639.00
Logged By: ANC

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	AMS4-UW	Modified TO-15	3/8/2007	4.0 "Hg	$225.00
02A	AMS2-DW	Modified TO-15	3/8/2007	3.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (1) @ $50.00 each.	$50.00
	6 Liter Summa Canister (100% Certified) (1) @ $65.00 each.	$65.00
	Flow Controller-1 hr (2) @ $35.00 each.	$70.00
	Fuel Surcharge (2) @ $2.00 each.	$4.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Keyspan -Bayshore Southern Cell IRM/9699

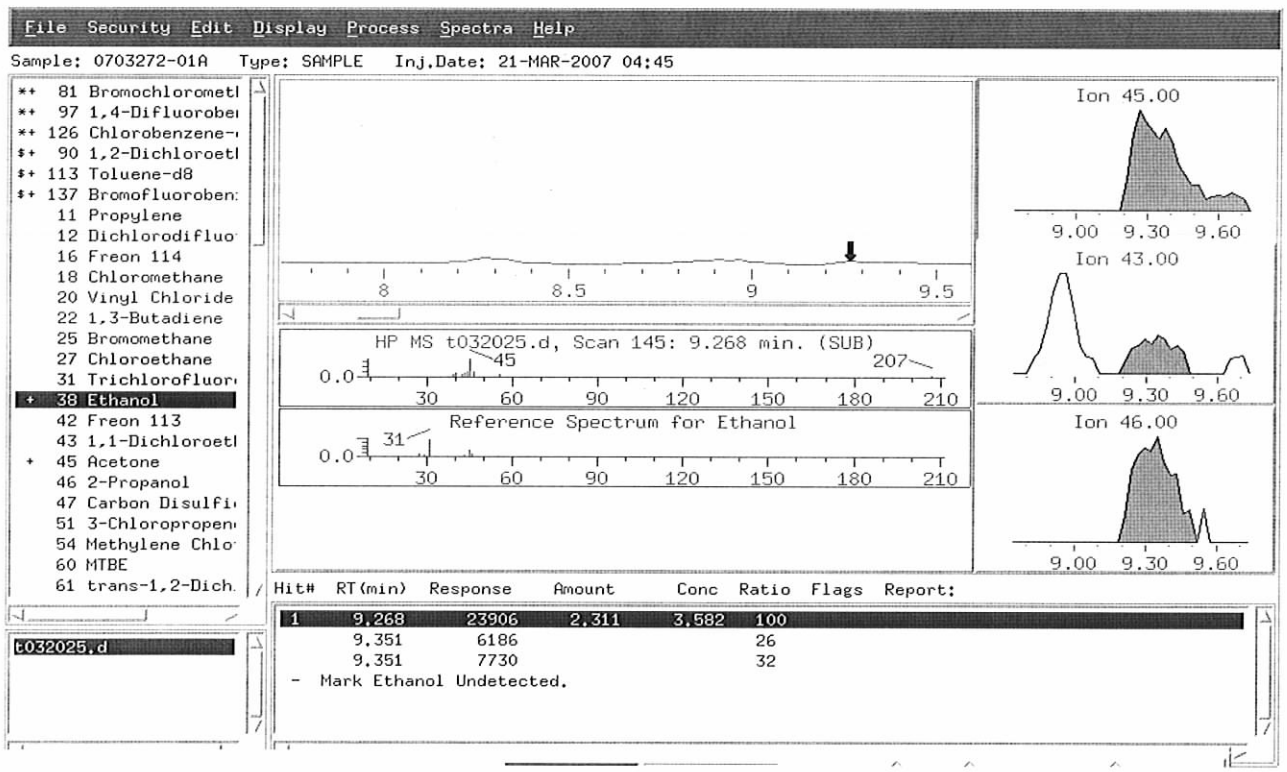
BILL TO: Mr. Brian McCarthy
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

Reporting Method: Modified TO-15 + Naph

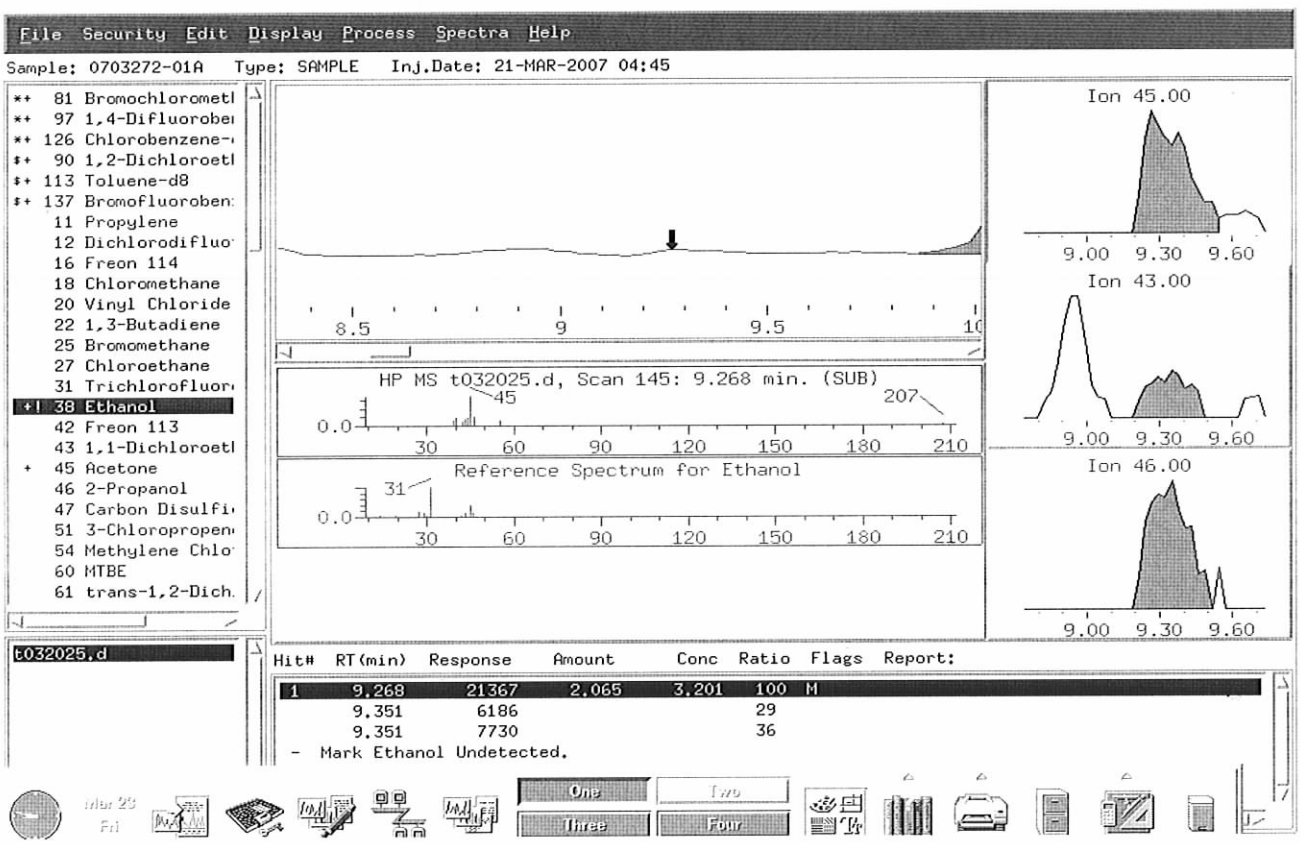
Other Records

0703272-01A
Ethanol



Team A

Date/Initial	HKb 3-23-07
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peak	✓



Team A

Date/Initial	MAB 3-28-07
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	

Merged peak

HHT HRD

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0703272

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

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

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

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

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A/R: Φ out in CW, Φ out in LCS

M/Q: _____

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
MA 3/22/07	R: [illegible] 3-23-07	MR 3/29/07	
	T: _____		

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

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

Not Applicable